

SPECIAL, 6/25/2018 1:30:00 PM

BE IT REMEMBERED that on June 25, 2018, there was begun and holden a SPECIAL session of the Commissioners Court of Jefferson County, Texas, with the following members and officers present and participating except those absent as indicated:

Honorable Jeff Branick, County Judge

Commissioner Eddie Arnold, Commissioner Pct. No. 1

Commissioner Brent Weaver, Commissioner Pct. No. 2

Commissioner Michael Sinegal, Commissioner Pct. No. 3 (ABSENT)

Commissioner Everette D. Alfred, Commissioner Pct. No. 4

Honorable Zena Stephens, Sheriff

Honorable Carolyn L. Guidry , County Clerk (ABSENT) -

THERESA GOODNESS, CHIEF DEPUTY

When the following proceedings were had and orders made, to-wit:

Notice of Meeting and Agenda and Minutes
June 25, 2018

Jeff R. Branick, County Judge
Eddie Arnold, Commissioner, Precinct One
Brent A. Weaver, Commissioner, Precinct Two
Michael S. Sinegal, Commissioner, Precinct Three
Everette "Bo" Alfred, Commissioner, Precinct Four



**NOTICE OF MEETING AND AGENDA
OF COMMISSIONERS' COURT
OF JEFFERSON COUNTY, TEXAS
June 25, 2018**

Notice is hereby given that the Commissioners' Court of Jefferson County, Texas, will meet at **1:30 PM**, on the **25th** day of **June 2018** at its regular meeting place in the Commissioners' Courtroom, 4th Floor, Jefferson County Courthouse, 1149 Pearl Street, Beaumont, Texas.

Said meeting will be a **Special** for the purpose of transacting the routine business of the County. Persons with disabilities requiring auxiliary aids for services who wish to attend this meeting should contact the County Judge's Office to arrange for assistance.

In addition to the routine business of the County, the subject of said meeting will be the following:

11:00 A.M.-Announcement of an executive (closed) session pursuant to Texas Government Code Section 551.087 to deliberate business and financial issues relating to a contract being negotiated for economic development, that deliberation in open meeting, would have a detrimental effect on the Commissioners Court in negotiations with a third person.

INVOCATION: Everette "Bo" Alfred, Commissioner, Precinct Four

PLEDGE OF ALLEGIANCE: Eddie Arnold, Commissioner, Precinct One

PURCHASING:

1. Approve specifications for (RFP 18-029/YS), Emergency Debris Monitoring Service for Jefferson County.

SEE ATTACHMENTS ON PAGES 9 - 55

Motion by: Commissioner Arnold

Second by: Commissioner Weaver

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

2. Receive and file bids for (IFB 18-013/JW), Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey).

SEE ATTACHMENTS ON PAGES 56 - 883

Motion by: Commissioner Arnold

Second by: Commissioner Weaver

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

3. Consider and approve, execute, receive and file a renewal for (IFB 14-013/JW), Temporary Canteen (Meal Catering) Disaster/Emergency for Jefferson County with Colin's Kitchen, LLC for a fourth one (1) year term from July 3, 2018 to July 2, 2019, with the option to extend for five (5) additional one (1) year terms.

SEE ATTACHMENTS ON PAGES 884 - 884

Motion by: Commissioner Arnold

Second by: Commissioner Weaver

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

Notice of Meeting and Agenda and Minutes
June 25, 2018

4. Consider and approve a second renewal year for agreement (Agreement 17-025/JW) with Thomson Reuters (Westlaw) and Jefferson County for online access for the 252nd District Court. This renewal will begin on September 1, 2018 and end on August 31, 2019, at a total monthly cost of \$98.00 for two (2) users. This is in accordance with Contract # DIR-LGL-CALIR-02 (Option 1A, Year 2).

SEE ATTACHMENTS ON PAGES 885 - 897

Motion by: Commissioner Arnold

Second by: Commissioner Weaver

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

COUNTY AUDITOR:

5. Consider and approve budget amendment - Beaumont Maintenance - additional cost for change order approved 06/11/18 for repairs to annex for water damage.

120-6083-416-6014	BUILDINGS AND STRUCTURES	\$1,847.00	
120-9999-415-9999	CONTINGENCY APPROPRIATION		\$1,847.00

SEE ATTACHMENTS ON PAGES 898 - 899

Motion by: Commissioner Weaver

Second by: Commissioner Alfred

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

6. Consider and possibly approve the withdrawal of approval for payment to Josh Schaffer PLLC in the amount of \$40,715.42, check number 427575 dated November 21, 2016 and approve nonpayment of the same due to not being in compliance with Code of Criminal Procedure article 26.05.

SEE ATTACHMENTS ON PAGES 900 - 908

Motion by: Commissioner Weaver

Second by: Commissioner Alfred

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

7. Consider and approve electronic disbursements for \$357,744.20 to LaSalle for revenue received from entities for inmate housing.

Motion by: Commissioner Weaver

Second by: Commissioner Alfred

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

8. Receive and file Financial & Operating Statements - County Funds Only For The Month Ending May 31, 2018.

SEE ATTACHMENTS ON PAGES 909 - 924

Motion by: Commissioner Weaver

Second by: Commissioner Alfred

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

9. Regular County Bills - check #447686 through checks #447928.

SEE ATTACHMENTS ON PAGES 925 - 933

Motion by: Commissioner Weaver

Second by: Commissioner Alfred

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

COUNTY COMMISSIONERS:

10. Consider and possibly approve an Order Appointing a Criminal Associate Judge to replace Judge Brad Burnett pursuant to Texas Government Code, Chapter 54-A, Section 54A.002(a) and provide funding of such position at the same rates as were paid to Judge Burnett.

SEE ATTACHMENTS ON PAGES 934 - 937

Action: TABLED

11. Consider and possibly approve an Order establishing the Orbit Gulf Coast Ethane Reinvestment Zone pursuant to Sec.312.401, Tax Code.

SEE ATTACHMENTS ON PAGES 938 - 945

Motion by: Commissioner Arnold

Second by: Commissioner Weaver

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

12. Consider and possibly approve a Resolution recognizing Eugene H. Simon for 27 years and 4 months of service to Jefferson County and wishing him well in his retirement.

SEE ATTACHMENTS ON PAGES 946 - 947

Motion by: Commissioner Arnold

Second by: Commissioner Weaver

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

13. Consider and determine whether Jefferson County will participate in a home buy-out program as part of the Method of Distribution which will be considered and adopted by the Texas General Land Office and Southeast Texas Regional Planning Commission for Hurricane Harvey Recovery.

Workshop to be scheduled.

Action: TABLED

ADDENDUMS

14. Receive and file Annual Road Reports of Jefferson County Commissioners of Precincts 1, 2, 3, and 4 Pursuant to Section 251.005, Texas Transportation Code and file a copy of same with the Grand Jury.

SEE ATTACHMENTS ON PAGES 948 - 953

Motion by: Commissioner Arnold

Second by: Commissioner Weaver

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

EMERGENCY MANAGEMENT:

15. Consider and possibly approve a Resolution regarding the retirement of Greg Fountain as the Emergency Management Coordinator.

SEE ATTACHMENTS ON PAGES 954 - 955

Motion by: Commissioner Weaver

Second by: Commissioner Arnold

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

ENGINEERING:

16. Consider and possibly approve a replat of Lot 1, Lot 2, Lot 3, Lot 4, Lot 5 and Lot 6 of Quail Run Subdivision, into Lot 1A, Lot 1B, Lot 2A, Lot 2B, Lot 3A, Lot 3B, Lot 4A, Lot 4B, Lot 5A, Lot 5B, Lot 6A, and Lot 6B located off of F.M. Highway 365 in Precinct No. 4. This plat is not within any ETJ (extra-territorial jurisdiction) and has met all of our platting requirements.

Motion by: Commissioner Alfred

Second by: Commissioner Weaver

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

MANAGEMENT INFORMATION SYSTEMS:

17. Receive and file executed Annual Maintenance Contract Cancellation and New Service Agreement between Jefferson County and FORMAX.

SEE ATTACHMENTS ON PAGES 956 - 962

Motion by: Commissioner Alfred

Second by: Commissioner Arnold

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

SHERIFF'S DEPARTMENT:

18. Consider and possibly approve a Resolution recognizing Deputy Giles B. Holst for 9 years and 7 months of dedicated service as a Peace Officer in the Courthouse as a Courthouse Security Officer for the Jefferson County Sheriff's Office and to the citizens of Jefferson County and wishing him well in his future endeavors.

SEE ATTACHMENTS ON PAGES 963 - 964

Motion by: Commissioner Arnold

Second by: Commissioner Weaver

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

Notice of Meeting and Agenda and Minutes
June 25, 2018

19. Consider and possibly approve a Resolution recognizing Correctional Officer Brent K. Smithhart for 29 years and 3 months of dedicated Correctional Service to the citizens of Jefferson County and wishing him well in his future endeavors.

SEE ATTACHMENTS ON PAGES 965 - 966

Motion by: Commissioner Arnold

Second by: Commissioner Weaver

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

DISTRICT ATTORNEY:

20. Consider, approve and ratify out of state travel for assistant district attorneys, Ashley Molfino and Rachel Grove to attend the AGACL (Association of Government Attorneys in Capital Litigation) annual conference, to be held in Washington, D.C. from August 8-11, 2018. This continuing legal education seminar is beneficial to the County in light of the number of capital cases Ashley Molfino and Rachel Grove prosecute for the Jefferson County District Attorney's office. The trip is budgeted out of the District Attorney's Travel fund.

SEE ATTACHMENTS ON PAGES 967 - 967

Motion by: Commissioner Alfred

Second by: Commissioner Weaver

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Alfred

Action: APPROVED

Jeff R. Branick
County Judge



JEFFERSON COUNTY PURCHASING DEPARTMENT

Deborah L. Clark, Purchasing Agent

1149 Pearl Street, 1st Floor, Beaumont, TX 77701 409-835-8593 Fax 409-835-8456

LEGAL NOTICE

Advertisement for Request for Proposal

June 25, 2018

Notice is hereby given that sealed proposals will be accepted by the Jefferson County Purchasing Department for RFP 17-031/JW, Emergency Debris Monitoring Services for Jefferson County. **Specifications for this project may be obtained from the Jefferson County website, <http://www.co.jefferson.tx.us/Purchasing/main.htm>, or by calling 409-835-8593.**

Proposals are to be sealed and addressed to the Purchasing Agent with the proposal number and name marked on the outside of the envelope or box. Offerors shall forward an original and four (4) hard copies of their proposal to the address shown below. Late proposals will be rejected as non-responsive. Proposals will be publicly opened and only the firm name will be read aloud in the Jefferson County Commissioners' Courtroom at the time and date below. Proposals shall be opened in a manner that avoids disclosure of the contents to competing offerors and maintains the confidentiality of the proposals during negotiations. Proposals will be open for public inspection after the award of the contract, except for trade secrets and confidential information. Offerors are invited to attend the sealed proposal opening.

PROPOSAL NAME:	Emergency Debris Monitoring Services for Jefferson County
PROPOSAL NO:	RFP 18-029/YS
DUE DATE/TIME:	11:00 AM CDT, Tuesday, August 7, 2018
MAIL OR DELIVER TO:	Jefferson County Purchasing Department
	1149 Pearl Street, 1st Floor
	Beaumont, Texas 77701

Any questions relating to these requirements should be directed to Yea-Mei Sauer, Contract Specialist, ysauer@co.jefferson.tx.us.

Jefferson County encourages Disadvantaged Business Enterprises to participate in the proposal submission process. Jefferson County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provisions of services. Individuals requiring special accommodations are requested to contact our office at 409-835-8593 to make arrangements no later than seven (7) calendar days prior to the submittal deadline. Jefferson County reserves the right to accept or reject any or all proposals, to waive technicalities and to take whatever action is in the best interest of Jefferson County.

All interested firms are invited to submit a proposal in accordance with the terms and conditions stated in this proposal.

RESPONDENTS ARE STRONGLY ENCOURAGED TO CAREFULLY READ THE ENTIRE INVITATION.

Deborah L. Clark
Purchasing Agent
Jefferson County, Texas

Publish: Beaumont Enterprise & Port Arthur News – June 27, 2018 & July 4, 2018

Table of Contents

Table of Contents	1
Proposal Submittal Checklist	4
1. Introduction to Offerors	5
1.1 Vendor Instructions	5
1.2 Governing Law.....	5
1.3 Ambiguity, Conflict, or Other Errors in RFP	5
1.4 Notification of Most Current Address.....	5
1.5 Proposal Preparation Cost	6
1.6 Signature of Proposal	6
1.7 Economy of Presentation.....	6
1.8 Proposal Obligation.....	6
1.9 Incorporation by Reference and Precedence	6
1.10 Governing Forms	6
1.11 Implied Requirements	7
1.12 Compliance with RFP Specifications.....	7
1.13 Vendor Registration: SAM (System for Award Management)	7
1.14 Awarded Vendors: Submission of FORM 1295	7
1.15 Evaluation	7
1.16 Withdrawal of Proposal	8
1.17 Emergency/Declared Disaster Requirements.....	8
1.18 Minority-Women Business Enterprise Participation	8
1.19 Award	8
1.20 Ownership of Proposal.....	8
1.21 Disqualification of Offeror	8
1.22 Contractual Development.....	9
1.23 Assignment	9
1.24 Contract Obligation	9
1.25 Termination.....	9
1.26 Inspections.....	9
1.27 Testing.....	9
1.28 Loss, Damage, or Claim.....	10
1.29 Taxes.....	10
1.30 Non-Discrimination.....	10
1.31 Conflict of Interest.....	10

Table of Contents (Continued)

1.32 Waiver of Subrogation	10
1.33 Acknowledgment of Insurance Requirements	10
1.34 Insurance Requirements	10
1.35 Workers Compensation Insurance	11
1.36 Delivery of Proposals	14
1.37 Proposal Submission During Time of Inclement Weather, Disaster, or Emergency.....	15
1.38 Questions	15
1.39 Tentative Schedule of Events	16
2. Response Format	17
2.1 Introduction	17
2.2 Organization of Proposal Contents	17
2.3 Transmittal Letter	17
2.4 Executive Summary	18
2.5 Table of Contents	18
2.6 Offeror Identifying Information.....	18
2.7 Experience.....	18
2.8 Personnel	19
2.9 Conflict of Interest.....	19
2.10 Technical Approach	19
3. Proposal Submittal	20
4. Scope of Services	21
5. Contractual Requirements	24
6. Response Format	31
7. Proposal Evaluation and Selection Process.....	32
7.1 Introduction	32
7.2 Fee Schedule.....	32
7.3 Proposal Evaluation and Selection.....	32
7.4 Evaluation Criteria	32

Table of Contents (Continued)

Fee Schedule	34
Non- Disclosure Agreement.....	35
Vendor References	36
Signature Page	37
Conflict of Interest Questionnaire	38
Good Faith Effort (GFE)	40
Notice of Intent (NOI).....	41
Subcontracting Participating Declaration Form (HUB).....	42
Residence Certification/Tax Form	46
Bid Affidavit	47

Proposal Submissions:

Offeror is responsible for submitting:

- One (1) *original* proposal copy to include a completed copy of this specifications packet, in its entirety.
- Four (4) numbered proposal *copies* to include at a minimum all pages requiring completion and/or marked with instructions to be returned with proposal submission and any other documentation requested within these specifications.

Additionally, Offeror must monitor the Jefferson County Purchasing Department Website (below) to see if addenda or additional instructions have been posted. Failure to return all required forms could result in a response being declared as non-responsive.

<http://www.co.jefferson.tx.us/purchasing/main.htm>

Proposal Submittal Checklist

The Offeror's attention is especially called to the items listed below, which must be submitted in full as part of the proposal.

Failure to submit any of the documents listed below as a part of your proposal, or failure to acknowledge any addendum in writing with your proposal, or submitting a proposal on any condition, limitation, or provision not officially invited in this Request for Proposal (RFP) may cause for rejection of the proposal.

Offeror shall check each box indicating compliance.

THIS CHECKLIST MUST BE SUBMITTED AS PART OF YOUR PACKAGE

- ☒ Cover sheet identifying the contract/project being proposed, the name and address of the Offeror, the date of the proposal, and the email address, telephone, and facsimile numbers of Offeror.
- ☒ An acknowledgment and/or response to each section of the proposal.
- ☒ Form of business (e.g., corporation, sole proprietorship, partnership); if corporation the date and state of incorporation.
- ☒ Identification of three (3) entities for which the Offeror is providing or has provided Emergency Debris Monitoring Services of the type requested, including the name, position, and telephone number of a contact person at each entity.
- ☒ Identification of all legal claims, demands, contracts terminated or lawsuits filed, threatened, or pending against the Offeror and/or its principal/officers for the last three (3) years, as well as identification of any administrative actions or warnings taken or issued by any federal, state, or local governmental agency to Offeror and/or its principals/officers with regard to the provision of the same or similar service as covered by this RFP, or the payment of moneys under the terms of any agreement(s) relating to such services.
- ☒ One (1) *original* proposal to include a completed copy of this specifications packet in its entirety; **and** Four (4) numbered proposal *hard copies* to include at a minimum all pages requiring completion and/or marked with instructions to be returned with proposal and any other documentation requested within these specifications.

Each Offeror shall ensure that required parts of the response are completed with accuracy and submitted as per the requirements within this specifications packet, including any addenda.

PLEASE READ THE "PROPOSAL SUBMITTAL CHECKLIST" INCLUDED IN THIS PACKAGE.

Company	Telephone Number
Address	Fax Number
Authorized Representative (Please print)	Title
Authorized Signature	Date

Offeror Must Complete and Return This Page With Offer.

1. Introduction to Offerors

This Request for Proposal (RFP) is to receive proposals from qualified firms regarding services for Emergency Debris Monitoring.

The following items are provided as general information and specifications as required by the Jefferson County Purchasing Department.

1.1 Vendor Instructions

Read the document carefully. Follow all instructions. You are responsible for fulfilling all requirements and specifications. Be sure you have a clear understanding of the proposal.

General Requirements apply to all advertised requests for proposals; however, these may be superseded, whole or in part, by the **Scope of Services, Guidelines and Specifications, Requested Responses and Information, or other data contained herein.** Be sure your proposal package is complete.

1.2 Governing Law

Offeror is advised that these requirements shall be fully governed by the laws of the State of Texas and that Jefferson County may request and rely on advice, decisions, and opinions of the Attorney General of Texas and the County Attorney concerning any portion of these requirements.

1.3 Ambiguity, Conflict, or other errors in the RFP

If Offeror discovers any ambiguity, conflict, discrepancy, omission or other error in the RFP, Offeror shall immediately notify the County of such error in writing and request modification or clarification of the document. Modifications will be made by issuing Addenda. Written notice will be given to all parties who have been furnished with the RFP without divulging the source of the request for the same. If the Offeror fails to notify the County prior to the date and time fixed for submission of proposals of an error or ambiguity in the RFP known to Offeror, or an error or ambiguity that reasonably should have been known to Offeror, then Offeror shall not be entitled to compensation or additional time by reason of the error or ambiguity or its later resolution.

The County may also modify the RFP, no later than 48 hours prior to the date and time fixed for submission of proposals, by issuance of an Addendum to all parties who have received the RFP. All addenda will be numbered consecutively, beginning with 1.

1.4 Notification of Most Current Address

Firms in receipt of this RFP shall notify Deborah L. Clark, Jefferson County Purchasing Agent, of any address changes, contact person changes, and/or telephone number changes no later than 48 hours prior to the date and time fixed for submission of proposals.

1.5 Proposal Preparation Cost

Cost for developing proposals is entirely the responsibility of Offerors and shall not be charged to Jefferson County.

1.6 Signature of Proposal

A transmittal letter, which shall be considered an integral part of the proposal, shall be signed by an individual who is authorized to bind the Offeror contractually. If the Offeror is a corporation, the legal name of the corporation shall be provided together with the signature of the officer or officers authorized to sign on behalf of the corporation.

If the Offeror is a partnership, the true name of the firm shall be provided with the signature of the partner or partners authorized to sign.

If the Offeror is an individual, that individual shall sign. If signature is by an agent, other than an officer of a corporation or a member of a partnership, a power of attorney or equivalent document must be submitted to the Jefferson County Purchasing Department prior to the submission of the proposal or with the proposal.

1.7 Economy of Presentation

Proposals shall not contain promotional or display materials, except as they may directly answer in whole or in part questions contained in the RFP. Such exhibits shall be clearly marked with the applicable reference number of the question in the RFP. Proposals must address the technical requirements as specified in the RFP. All questions posed by the RFP must be answered concisely and clearly. Proposals that do not address each criterion may be rejected and not considered.

1.8 Proposal Obligation

The contents of the proposal and any clarification thereof submitted by the selected Offeror shall become part of the contractual obligation and incorporated by reference into the ensuing contract.

1.9 Incorporation by Reference and Precedence

This Agreement is derived from (1) the RFP, written clarifications to the RFP and County's response to questions; (2) the Contractor's Best and Final Offer, and (3) the Contractor's response to the RFP.

In the event of a dispute under this Agreement, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence: (1) Amendments to the Agreement in reverse chronological order; (2) the Agreement, including the Scope of Work; (3) the Contractor's Best and Final Offer; (4) the RFP, including attachments thereto and written responses to questions and written clarifications; and (5) the Contractors response to the RFP.

1.10 Governing Forms

In the event of any conflict between the terms and provisions of these requirements and the specifications, the specifications shall govern. In the event of any conflict of interpretation of any part of this overall document, Jefferson County's interpretation shall govern.

1.11 Implied Requirements

Products and services not specifically mentioned in the RFP, but which are necessary to provide the functional capabilities described by the Offeror, shall be included in the proposal.

1.12 Compliance with RFP Specifications

It is intended that this RFP describe the requirements and the response format in sufficient detail to secure comparable proposals. Failure to comply with all provisions of the RFP may result in disqualification.

1.13 Vendor Registration: SAM (System for Award Management)

Vendors doing business with Jefferson County are required to be registered with The System for Award Management (SAM), with an "active" status.

The System for Award Management (SAM) is the Official U.S. Government system that consolidated the capabilities of CCR/FedReg, ORCA, and EPLS. There is NO fee to register for this site. Entities may register at no cost directly from the SAM website at: <https://www.sam.gov>

Offerors are strongly encouraged to review their firm's SAM (System for Award Management) status prior to Proposal Submission.

1.14 Awarded Vendor(s): Submission of FORM 1295 (Texas Ethics Commission)

As of January 1, 2016, per House Bill 1295, the Texas Ethics Commission (TEC) requires all awarded vendors to complete a Certificate of Interested Parties (FORM 1295) at time of notification of award. Awarded Vendors must visit the TEC website link below, enter the required information on Form 1295, and print a copy of the completed form. The form will include a certification of filing that will contain a unique certification number.

At the time of award, the Jefferson County Purchasing Department will submit a request to the Awarded Vendor to both:

1. Submit FORM 1295 online via the Texas Ethics Commission website link below.
2. Submit a printed copy of FORM 1295, signed by an Authorized Agent of the Awarded Vendor and notarized to the Jefferson County Purchasing Department.

FORM 1295, Completion Instructions, and Login Instructions are available via the Texas Ethics Commission Website at: https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

1.15 Evaluation

Jefferson County reserves the right to use all pertinent information (also learned from sources other than disclosed in the RFP process) that might affect the County's judgment as to the appropriateness of an award to the best evaluated Offeror. This information may be appended to the proposal evaluation process results. Information on a service provider from reliable sources, and not within the service provider's proposal, may also be noted and made part of the evaluation file. Jefferson County shall have sole responsibility for determining a reliable

source. Jefferson County reserves the right to conduct written and/or oral discussions/interviews after the proposal opening. The purpose of such discussions/interviews is to provide clarification and/or additional information to make an award in the best interest of Jefferson County.

1.16 Withdrawal of Proposal

The Offeror may withdraw its proposal by submitting a written request over the signature of an authorized individual, as described in paragraph 1.6, to the Purchasing Department any time prior to the submission deadline. The Offeror may thereafter submit a new proposal prior to the deadline. Modification or withdrawal of the proposal in any manner, oral or written, will not be considered if submitted after the deadline.

1.17 Emergency/Declared Disaster Requirements

In the event of an emergency or if Jefferson County is declared a disaster area, by the County, State, or Federal Government, this Acceptance of Offer may be subjected to unusual usage. Contractor shall service the county during such an emergency or declared disaster under the same terms and conditions that apply during non-emergency/disaster conditions. The pricing as specified in this Acceptance of Offer shall apply to serving the County's needs regardless of the circumstances. If Contractor is unable to supply the services under the terms of the Acceptance of Offer, then Contractor shall provide proof of such disruption and a copy of the invoice from Contractor's supplier(s). Additional profit margin as a result of supplying services during an emergency or declared disaster shall not be permitted. In the event that additional equipment, supplies, and materials are required during the declared disaster, additional shipping, handling and drayage fees may apply.

1.18 Minority-Women Business Enterprise Participation

It is the desire of Jefferson County to increase the participation of Minority (MBE) and women-owned (WBE) businesses in its contracting and procurement programs. While the County does not have any preference or set aside programs in place, it is committed to a policy of equitable participation for these firms.

1.19 Award

Jefferson County reserves the right to award this contract on the basis of the **Best Offer** in accordance with the laws of Texas, to waive any formality or irregularity, to make award to more than one Offeror, and/or to reject any or all proposals. In the event the highest dollar Offeror meeting specifications is not awarded a contract, the Offeror may appear before Commissioners' Court and present evidence concerning his responsibility.

1.20 Ownership of Proposal

All proposals become the property of Jefferson County and will not be returned to Offerors.

1.21 Disqualification of Offeror

Upon signing this proposal document, a contractor offering to sell supplies, materials, services, or equipment to Jefferson County certifies that the Offeror has not violated the antitrust laws of this state codified in Section 15.01, et seq, Business & Commerce Code, or the Federal Antitrust Laws, and has not communicated directly or indirectly the offer made to any

competitor or any other person engaged in such line of business. Any or all proposals may be rejected if the County believes that collusion exists among the Offerors.

1.22 Contractual Development

The contents of the RFP and the selected proposal will become an integral part of the contract, but may be modified by provisions of the contract as negotiated. Therefore, the Offeror must be amenable to inclusion in a contract of any information provided (in writing) either in response to this RFP or subsequently during the selection process.

1.23 Assignment

The selected vendor may not assign, sell, or otherwise transfer this contract without written permission of the Jefferson County Commissioners' Court.

1.24 Contract Obligation

Jefferson County Commissioners' Court must award the contract, and the County Judge or other person authorized by Jefferson County Commissioners' Court must sign the contract before it becomes binding on Jefferson County or the Offeror. **Department heads are not authorized to sign agreements for Jefferson County.** Binding agreements shall remain in effect until all products and/or services covered by this proposal have been satisfactorily delivered and accepted.

1.25 Termination

Jefferson County reserves the right to terminate the contract for default if the awarded vendor breached any of the terms therein, including warranties of Offeror, or if the Offeror becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies Jefferson County may have in law or equity. Default may be construed as, but not limited to, failure to deliver the proper goods and/or services within the proper amount of time, and/or to properly perform any and all other requirements to Jefferson County's satisfaction, and/or to meet all other obligations and requirements. Contracts may be terminated without cause upon thirty (30) days' written notice to either party unless otherwise specified.

1.26 Inspections

Jefferson County reserves the right to inspect any item(s) or service location(s) for compliance with specifications and requirements and needs of the using department. If a proposal cannot furnish a sample of a proposed item, where applicable, for review, or fails to satisfactorily show an ability to perform, the County can reject the Offeror as inadequate.

1.27 Testing

Jefferson County reserves the right to test equipment, supplies, material and goods proposed for quality, compliance with specifications, and ability to meet the needs of the user. Demonstration units must be available for review. Should the goods or services fail to meet requirements and/or be unavailable for evaluation, the offer is subject to rejection.

1.28 Loss, Damage, or Claim

The Offeror shall totally indemnify Jefferson County against all claims by its employees, agents, or representatives or personal injury arising from any cause. In addition, the Offeror shall totally indemnify Jefferson County against all claims of loss or damage to the Offeror's and Jefferson County's property, equipment, and/or supplies.

1.29 Taxes

The contractor and its subcontractors, agents and employees, as the case may be, will be responsible for the payment of all federal, state and local taxes, and deposits or contributions imposed or required by law.

1.30 Non-Discrimination

The successful offeror will be required to comply with the Americans With Disabilities Act and with all provisions of federal, state, county and local (if any) laws and regulations to ensure that no employee or applicant for employment is discriminated against because of race, color, religion, sex, age, handicap or national origin.

1.31 Conflict of Interest

The agreement entered into pursuant to this RFP will contain the Contractor's warranty that, except for bona-fide employees or selling agents maintained by the Contractor for the purpose of securing business, no person or selling agency has been employed or retained to solicit this contract upon an agreement or understanding for commission, percentage or contingency.

Further, the contractor will warrant that no kickbacks, gratuities, or contingency fees have been paid in connection with this RFP or contract and none has been promised contingent upon the award of contract. And, will still further warrant that to its knowledge and best belief, no one being paid under the agreement between the County and the contractor, is engaged in any activities which would constitute a conflict of interest with respect to the purposes of said agreement.

1.32 Waiver of Subrogation

Offeror and Offeror's insurance carrier waive any and all rights whatsoever with regard to subrogation against Jefferson County as an indirect party to any suit arising out of personal or property damages resulting from the Offeror's performance under this agreement.

1.33 Acknowledgment of Insurance Requirements

By signing its proposal, Offeror acknowledges that it has read and understands the insurance requirements for this proposal. Offeror also understands that evidence of required insurance must be submitted within fifteen (15) working days following notification of acceptance of its offer; otherwise, Jefferson County may rescind its acceptance of the Offeror's proposal. The insurance requirements are part of this package.

1.34 Insurance

The contractor (including any and all subcontractors as defined in Section 1.35.1.3 below) shall, at all times during the term of this contract, maintain insurance coverages with not less than the type and requirements shown below. Such insurance is to be provided at the sole cost of the contractor. These requirements do not establish limits of the contractor's liability.

All policies of insurance shall waive all rights of subrogation against the County, its officers, employees and agents; a copy of the policy wording or endorsement is required.

Contractor shall furnish Jefferson County with Certificate of Insurance naming Jefferson County as additional insured and will provide the actual policy wording or endorsement showing as such.

All insurance must be written by an insurer licensed to conduct business in the State of Texas.

Minimum Insurance Requirements

Public Liability, including Products & Completed Operations \$1,000,000

Excess Liability \$1,000,000

Property Insurance (policy below that is applicable to this project):

Improvements & Betterments Policy: Improvements/Remodeling (for Lease Tenants)

Builder's Risk Policy: Structural Coverage for Construction Projects

Installation Floater Policy: Improvements/Alterations to Existing Structure

Workers' Compensation

Statutory Coverage (see attached)

1.35 Workers' Compensation Insurance

1.35.1 Definitions:

1.35.1.1 **Certificate of coverage ("Certificate")** – A copy of a certificate of insurance, a certificate of authority to self-insure issued by the commission, or a coverage agreement, DWC-81, DWC-82, DWC-83, or DWC-84 showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the duration of the project.

1.35.1.2 **Duration of the project** – Includes the time from the beginning of the work on the project until the contractor's/person's work on the project has been completed and accepted by the governmental entity.

1.35.1.3 **Persons providing services on the project ("subcontractor") in article 406.096** – Includes all persons or entities performing all or part of the services under the contractor has undertaken to perform on the project, regardless of whether that person contracted directly with the contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractor, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services on the project. "Services" includes, without limitation, providing, hauling or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the project, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

1.35.2 The Contractor shall provide coverage, based on proper reporting of classification code and payroll amounts and filing any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all employees of the contractor providing services on the project, for the duration of the project.

1.35.3 The Contractor must provide a certificate of coverage to the governmental entity prior to being awarded the contract – refer to Section 1.34 above.

- 1.35.4 If the coverage period shown on the Contractor's current certificate of coverage ends during the duration of the project, the Contractor must, prior to the end of the coverage period, file a new certificate of coverage with the governmental entity showing that coverage has been extended.
- 1.35.5 The Contractor shall obtain from each person providing services on a project, and provide to the governmental entity:
 - 1.35.5.1 A certificate of coverage, prior to that person beginning work on the project, so the governmental entity will have on file certificates of coverage showing coverage for all persons providing services on the project; and
 - 1.35.5.2 No later than seven (7) days after receipt by the Contractor, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate ends during the duration of the project.
- 1.35.6 The Contractor shall retain all required certificates of coverage for the duration of the project and for one (1) year thereafter.
- 1.35.7 The Contractor shall notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the contractor knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project.
- 1.35.8 The Contractor shall post on each project site a notice, in the text, form and manner prescribed by the Texas Department of Workers' Compensation, informing all persons providing services on the project that they are required to be covered, and stating how a person may verify coverage and report lack of coverage.
- 1.35.9 The Contractor shall contractually require each person with whom it contracts to provide services on a project to:
 - 1.35.9.1 Provide coverage, based on reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all its employees providing services on the project, for the duration of the project.
 - 1.35.9.2 Provide to the Contractor, prior to that person beginning work on the project a certificate of coverage showing that coverage is being provided for all employees of the person providing services on the project, for the duration of the project.
 - 1.35.9.3 Provide the Contractor, prior to the end of coverage period, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project.
 - 1.35.9.4 Obtain from each person with whom it contracts, and provide to the Contractor:
 - 1.35.9.4.1 A certificate of coverage, prior to the other person beginning work on the project; and
 - 1.35.9.4.2 the coverage period, if the coverage period shown on the current certificate of a new certificate of coverage showing extension of coverage, prior to the end of coverage ends during the duration of the project.
 - 1.35.9.5 Retain all required certificates of coverage on file for the duration of the project and for one (1) year thereafter.
 - 1.35.9.6 Notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the person knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project; and

- 1.35.9.7 Contractually require each person with whom it contracts to perform as required by paragraphs 1.35.1. – 1.35.7., with the certificates of coverage to be provided to the person for whom they are providing services.
- 1.35.10 By signing this contract or providing or causing to be provided a certificate of coverage, the Contractor is representing to the governmental entity that all employees of the contractor who will provide services of the project will be covered by workers' compensation coverage for the duration of the project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.
- 1.35.11 The Contractor's failure to comply with any of these provisions is a breach of contract by the Contractor which entitles the governmental entity to declare the contract void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the governmental entity.

1.36 Delivery of Proposals

All proposals are to be delivered by 11:00 AM CDT, Tuesday, August 7, 2018, to:

**Jefferson County Purchasing Department
Attention: Deborah L. Clark, Purchasing Agent
1149 Pearl Street, 1st Floor
Beaumont, Texas 77701**

Courthouse Security: Offerors are advised that all visitors to the Courthouse must pass through Security. Offerors planning to hand deliver proposal must allow time to get through Security, as a delay in entering the Courthouse will not be accepted as an excuse for late submittal. Mondays and Tuesdays are particularly heavy days. Offerors are strongly urged to plan accordingly.

County Holidays – 2018:

January 1	Monday	New Year's
January 15	Monday	Martin Luther King, Jr. Day
February 19	Monday	President's Day
March 30	Friday	Good Friday
May 28	Monday	Memorial Day
July 4	Wednesday	Independence Day
September 3	Monday	Labor Day
November 12	Monday	Veteran's Day
November 22 & 23	Thursday & Friday	Thanksgiving
December 24 & 25	Monday & Tuesday	Christmas
January 1, 2019	Tuesday	New Year's

Jefferson County will not accept any proposals received after the stated time and date, and shall return such proposals unopened to the Offeror.

Jefferson County will not accept any responsibility for proposals being delivered by third party carriers.

Proposal Submissions shall be tightly sealed in an opaque envelope or box and plainly marked "SEALED PROPOSAL." The outside of the envelope or box shall also include: Proposal Number, Proposal Name, Proposal Due Date, Offeror's Name and Address; and shall be addressed to the Purchasing Agent.

Proposals will be opened publicly in a manner to avoid public disclosure of contents; however, only names of Offerors will be read aloud.

1.37 Proposal Submissions During Time of Inclement Weather, Disaster, or Emergency

In case of inclement weather or any other unforeseen event causing the County to close for business on the date of a bid/proposal/request for statement of qualifications submission deadline, the bid/proposal/request closing will automatically be postponed until the next business day that County offices are open to the public. Should inclement weather conditions or any other unforeseen event cause delays in courier service operations, the County may issue an addendum to all known vendors interested in the project to extend the deadline. It will be the responsibility of the vendor to notify the county of their interest in the project should these conditions impact their ability to submit a bid/proposal/statement of qualifications submission before the stated deadline. The County reserves the right to make the final judgement call to extend any deadline.

Should an emergency or unanticipated event interrupt normal County processes, and bid/proposal/statement of qualifications submissions cannot be received by the Jefferson County Purchasing Department's office by the exact time specified in the RFP and urgent County requirements preclude amendment to the RFP, the time specified for receipt of proposal will be deemed to be extended to the same time of day specified in the solicitation on the first business day on which normal County processes resume.

1.38 Questions

Questions may be emailed to Yea-Mei Sauer, Contract Specialist, ysauer@co.jefferson.tx.us.

1.39 Tentative Schedule of Events

June 25, 2018	Issuance of Request for Proposal
August 7, 2018	Deadline Submission (late proposals will not be considered)
August 9, 2018	Proposals distributed to Evaluation Committee
August 20, 2018	Recommendation for Award

Please note:

The above schedule of events is *tentative* in nature. Dates listed are subject to change.

2. Response Format

2.1 Introduction

Each proposal submitted in response to this RFP must be organized to correspond with those numbered sections of this RFP that require a response. Failure to arrange the proposal as requested may result in the disqualification of the proposal. Conciseness and clarity of content are emphasized and encouraged. Vague and general proposals will be considered non-responsive, and will result in disqualification. The response must be complete. Failure to provide the required information may result in the disqualification of the proposal. All pages of the proposal must be numbered and the proposal must contain an organized, paginated table of contents corresponding to the sections and pages of the proposal.

The County requests that proposal submissions NOT be bound by staples or glued spines.

2.2 Organization of Proposal Contents

Each proposal must be organized in the manner described below.

- a. Transmittal Letter
- b. Executive Summary
- c. Table of Contents
- d. Offeror Identifying Information
- e. Offeror Personnel and Organization
- f. Project Requirements
- g. Fee Schedule (Please utilize form on Page 33)
- h. Other information that may be helpful in the evaluation

2.3 Transmittal Letter

The Offeror must submit a transmittal letter that identifies the entity submitting the proposal, and includes a commitment by that entity to provide the services required by the County. The transmittal letter must state that the proposal is valid for ninety (90) days from the deadline for delivery of proposals to the County. Any proposal containing a term of less than ninety (90) days for acceptance will be rejected as non-responsive.

The transmittal letter must be signed by a person legally authorized to bind the Offeror to the representations in the response. In the case of a joint proposal, each party must sign the transmittal letter. The Offeror also must indicate, in its transmittal letter, why it believes that it is the most qualified Offeror to provide the services described in this RFP.

The transmittal letter must include a statement of acceptance of the terms and conditions of the contract resulting from this RFP. If Offeror takes exception to any of the proposed terms and conditions stated in this RFP, those exceptions must be noted in the transmittal letter.

However, Offeror must realize that failure to accept the terms specified in this proposal may result in disqualification of the proposal.

2.4 Executive Summary

The Offeror must provide an executive summary of its proposal that asserts that the Offeror is providing in its response all of the requirements of this RFP. The executive summary must not exceed three (3) pages, and must represent a full and concise summary of the contents of the proposal. The executive summary must not include any information concerning the cost of the proposal. The Offeror must identify any services that are provided beyond those specifically requested. If the Offeror is providing services that do not meet the specific requirements of this RFP, but in the opinion of the Offeror are equivalent or superior to those specifically requested, any such differences must be noted in the executive summary. However, the Offeror must realize that failure to provide the services specifically required may result in disqualification of the proposal.

2.5 Table of Contents

Each proposal must be submitted with a table of contents that clearly identifies and denotes the location of each title and subtitle of the proposal. Additionally, the table of contents must clearly identify and denote the location of all enclosures of the proposal. The table of contents must follow the RFP's structure as much as is practical.

2.6 Offeror Identifying Information

Offerors must provide the following identifying information:

- a. Name and address of business entity submitting the proposal;
- b. Type of business entity (i.e., corporation, partnership);
- c. Place of incorporation, if applicable;
- d. Name and location of major offices and other facilities that relate to the Offeror's performance under the terms of this RFP;
- e. Name, address, business and fax number of the Offeror's principal contact person regarding all contractual matters relating to this RFP;
- f. The Offeror's Federal Employer Identification Number, Jefferson County Vendor Number and Jefferson County Business License Number, if any;
- g. Full name and address for each member, partner, and employee of the Offeror (and any subcontractors) who will perform service's on this project; and
- h. A statement regarding the financial stability of the Offeror, including the ability of the Offeror to perform the functions required by this RFP and to provide those services represented by the Offeror in its response.

2.7 Experience

Provide information indicative of experience on other projects of similar complexity that documents successful and reliable experience in past performance within the last ten (10) years, as it relates to this proposal. The proposing firm must demonstrate that they have successfully performed services on at least 10 FEMA reimbursable disaster debris removal projects related to at least 3 different declared disasters, over the past ten (10) years, including at least two projects involving removal of at least 500,000 cubic yards of debris. Identify local governmental clients for whom similar services have been

provided including name of client, client contact person, description of services performed and quantity of debris monitored. Provide resumes of key staff. Respondent must demonstrate special disaster recovery program management services including monitoring of private property/right-of-entry (ROE) work, waterway/marine debris clean-up, sand recovery/beach remediation, hazardous tree/limb removal, hazardous material removal, white goods, vessel and vehicle recovery, asbestos removal, data management, contracting/invoice reconciliation, and FEMA appeals assistance.

2.8 Personnel

Provide an organizational chart, resumes, and summary of staff qualifications. Demonstrate current capacity and current expertise in debris removal, solid waste and hazardous waste management and disposal. Respondent shall document knowledge and experience of personnel with Federal, State and local emergency management agencies, programs, funding sources and reimbursement processes.

2.9 Conflict of Interest

Each Offeror must disclose any existing or potential conflict of interest relative to the performance of the requirements of this RFP. Examples of potential conflicts may include an existing business or personal relationship between the Offeror, its principal, or any affiliate or subcontractor, with the County or any other entity or person involved in any way in the project that is the subject of this RFP. Similarly, any personal or business relationship between the Offeror, the principals, or any affiliate or subcontractor, with any employee of the County or its suppliers must be disclosed. Any such relationship that might be perceived or represented as a conflict must be disclosed. Failure to disclose any such relationship or reveal personal relationships with state employees may be cause for contract termination. The County will decide if an actual or perceived conflict should result in proposal disqualification.

Each Offeror must reveal any past or existing relationship between the Offeror, its principal, employees, or any affiliate or subcontractor, with any county agency, entity, county employee, or other person in anyway involved in the county's procurement and/or contracting processes. It shall be the sole prerogative of the County to determine if such relationship constitutes a conflict of interest.

By submitting a proposal in response to this RFP, all Offerors affirm that they have not given, nor intend to give, at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a public servant or any employee or representative of same, in connection with this procurement.

Has Respondent had a contract related to debris removal cancelled within the past ten years? If so, state the name and address of the other contracting party and reason.

2.10 Technical Approach

Provide a description of the Proposer's approach to the project including implementation of the RFP Scope of Services, startup procedures, debris estimating methodology, and management of debris recovery contractors.

**FAILURE BY OFFEROR TO INCLUDE ALL LISTED ITEMS
MAY RESULT IN THE REJECTION OF ITS PROPOSAL.**

3. Proposal Submittal

The Proposal is due no later than 11:00 AM CDT, Tuesday, August 7, 2018 and shall include the following:

- Cover sheet identifying the contract/project being proposed, the name and address of Offeror, the date of the proposal, and the telephone and facsimile numbers of Offeror.
- An acknowledgment and/or response to each section of the proposal.
- Form of business (e.g., corporation, sole proprietorship, partnership); if corporation the date and state of incorporation.
- Identification of three (3) entities for which the Offeror is providing or has provided Emergency Debris Monitoring Services of the type requested, including the name, position, and telephone number of a contact person at each entity.
- Identification of all legal claims, demands, contracts terminated or lawsuits filed, threatened, or pending against the Offeror and/or its principal/officers for the last three (3) years, as well as identification of any administrative actions or warnings taken or issued by any federal, state, or local governmental agency to Offeror and/or its principals/officers with regard to the provision of the same or similar service as covered by this RFP, or the payment of moneys under the terms of any agreement(s) relating to such services.
- One (1) *original* proposal to include a completed copy of this specifications packet in its entirety; and four (4) numbered proposal *hard copies* to include at a minimum all pages requiring completion and/or marked with instructions to be returned with proposal and any other documentation requested within these specifications, should be mailed or delivered to:

Jefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, TX 77701

- Explanations, exceptions, comments, etc., pertaining to the specific sections of the specifications. All comments shall be listed and numbered in order of the respective article of the specification.

4. Scope of Services

Jefferson County is a coastal county and is vulnerable to natural and manmade disasters including hurricanes, tornadoes, floods, oil spills, and hazardous material releases.

Disasters such as hurricanes often produce large volumes of debris. Debris and damaged trees create hazardous conditions including blocked roadways/drives and obstacles to emergency vehicles. These hazards and obstacles often block routine, essential, and emergency traffic, both vehicular and pedestrian. One of the first essential steps in securing the community is the removal of hazardous debris to allow for security, emergency, and other service traffic. It is in the best interest of the County to enter into an agreement for a term of two (2) years with a firm to provide debris management and monitoring services as a result of a disaster.

Scope of Services: Debris Removal Monitoring

Staff Mobilization

The debris monitoring firm (Monitor) will be expected to mobilize within 3 days of a written notice to proceed with key staff experienced in various aspects of debris operations (including truck certification, mapping/zone development, etc.) in order to participate in the "response" phase of the disaster event. Additional Monitor staff shall be contacted and put on standby for potential mobilization. Logistical arrangements for out of town staff, such as lodging arrangements for key staff, are the responsibility of the Monitor.

Field Documentation of Work

Monitor shall carefully document debris removal activities as well as hazardous trees and trees that contain hazardous hanging limbs that need to be removed. Monitor will work closely with the Owner and with FEMA/FHWA to determine the most effective methods of documentation to ensure that debris removal is eligible for federal funding. Monitor shall communicate with FEMA to ensure documentation supports project reimbursement. Monitor will work with FEMA in an effort to pre-validate as much eligible debris, tree and limb removal as practical.

Collection Monitoring of Rights-of-Way and Public Property Debris

Monitor will provide collection monitors with each of the Contractor's loading crews to ensure each load is related to the disaster and is eligible for federal reimbursement. The street address and/or GPS coordinates will be recorded on each load ticket. The Monitor will initiate a multi-part ticket in the field for each load, containing information related to the location of the debris, time, date, truck identification, truck driver, etc. The ticket will then be delivered to the Debris Management Site (DMS) or disposal site with the truck driver for load rating. Load ticketing and documentation will also be performed for hazardous tree and limb removal. This project may include monitoring the removal of abandoned cars, boats, marine debris, white goods, beach cleaning, and structure demolition. Monitor will provide similar services if debris removal from private property/right-of-entry (ROE) is approved for this project. Field monitoring of debrishaulers shall be performed in accordance with current FEMA, FHWA and state requirements and in coordination with the Owner.

Monitor Training

Monitor will provide training to all employees concerning safety, eligibility for reimbursement, and disaster specific information. The Monitor will be required to perform adequate training for locally hired staff at no expense to the Owner. All Monitor employees must be able to effectively communicate to a level appropriate to their responsibilities.

Spot Checks and Auditing of Monitors

Monitor will provide roving monitors, field coordinators, and supervisory personnel to ensure that field monitors are making accurate eligibility calls, keeping good documentation, and are working effectively with the debris removal contractor.

Project Mapping

Maps will be used to document the debris removal progress. The final pass along each roadway will be mapped for the Owner's information, and FEMA documentation. Monitor will assist the Owner in public communication and will document and relay any citizen complaints for action by the contractor or the Owner.

Truck Certification

Monitor will establish a team of individuals who will inspect and certify vehicles for hauling storm related debris in accordance with FEMA guidelines. A certification sheet with measurement, photos, and calculations documenting the capacity of the truck is kept for load rating and ticket auditing. Summary books will be kept at each DMS/disposal site for quality control. Certifications should also include a methodology to discourage collection contractors from modifying their vehicle after certification, such as identifying unique attributes to the vehicle like sideboards. Photographs of the vehicle and its driver shall be documented. Periodic spot checks and recertification of trucks that were potentially altered after initial certification shall be performed.

Quality Control/Quality Assurance

A QA/ QC program should be implemented by the Monitor to minimize errors in debris monitor tickets and all documentation functions. Eligibility of work, reliability of documentation and data accuracy are critical in achieving full reimbursement for eligible project expenses.

DMS/Disposal Sites

Monitor will provide trained monitors at DMS and disposal sites to call loads based on the amount of debris in each truck. It is imperative that these monitors make accurate calls to safeguard public funds. Monitors will also make sure that the trucks are empty as they leave the site. Furthermore, monitors will review the truck certification worksheets to make sure the trucks have not been modified to affect their capacity (shortened or removed sideboards, for example). Similar systems will be used to verify, track, and document hauling of reduced debris from DMS sites through final disposal, if applicable.

Data Management

Monitor will establish an advanced project data management system and enter load ticket information on a daily basis. This information can be provided to the Owner, FEMA, and the Contractor GPS coordinates or addresses for tree and stump removal, and debris removal progress, as applicable. Additionally, the staff will work with the Contractor to reconcile invoices, and review debris removal invoices for recommendation of payment by the Owner. Furthermore, Monitor will organize field information for FEMA documentation including photographs and/or GPS coordinates. Monitor will help track invoices for FEMA reimbursement and provide additional supporting information as requested.

Public Information Support

Monitor may be asked to assist the Owner in public outreach following a disaster event as it relates to debris recovery efforts. This may include establishing and staffing (including supplying equipment, phone lines, etc.) a "debris hotline" to respond to public complaints and concerns, or establishing a website.

This also may include assistance with press releases, public notices, and other public information functions. All functions will be performed in a manner to maximize federal and state reimbursement.

Funding Support

The Monitor shall assist the Owner in securing maximum reimbursement for eligible work from state and federal agencies. Specific funding support services may include working with the Owner to develop a cash flow strategy that focuses on early reimbursement. This includes assistance in preparing a debris quantity estimate that is supported by FEMA staff, early preparation of a project worksheet to cover the estimated cost of the entire debris removal effort at the outset of the project, and assisting the Owner and FEMA personnel with Project Worksheets, Versions, etc. Monitor shall be prepared to assist Owner with appeals based on their in-depth knowledge of FEMA and FHWA reimbursement policies. Monitor shall be prepared to assist the Owner, if requested, in tracking progress of Project Worksheets and providing quick response to any problem issue that may arise that could slow funding. Monitor shall be prepared to assist Owner in finding additional funding reimbursement sources related to disaster mitigation.

Recovery Services

The Owner is interested in selecting a monitoring firm with field implementation and FEMA reimbursement experience in community recovery including, but not limited to:

- Right-of-Entry (ROE) administration and data base management
- ROW and private property vegetative/C & D hazard removal monitoring
- ROW and private property demolition coordination and monitoring
- Monitoring of marine debris removal and beach sand cleaning

Other Related Services

Services not specifically identified in this request, but are needed to provide a complete debris removal and documentation project.

Pre-Storm Coordination

Monitor will be prepared to meet with the Owner once prior to June 1st of each year to coordinate services for the upcoming storm season. Additionally, Monitor shall meet with the Owner immediately prior to a credible disaster threat. These meetings shall occur at no cost to the Owner and are meant to facilitate increased coordination of efforts, to discuss the Owner's expectations of the Monitor, and to fast track recovery activities when a disaster strikes.

Safety Meetings and Monitoring Updates

Safety of monitoring staff is of paramount importance. Monitor will hold regular meetings with debris monitors and staff for project updates and to communicate safety issues. If important information becomes available, the staff may meet more frequently.

Coordination Meetings with Contractor(s)

Monitor will initiate a coordination meeting with the debris removal contractor to help expedite the work, and to discuss any issues that may arise during the project. It is important that the monitor and contractor are communicating with each other to ensure a successful project.

Contractor Damages

The Monitor may be asked to develop a database application to track and help the Owner manage contractor damages.

Status Reports

Monitor will provide detailed daily or weekly status reports to the Owner as requested for use and information. Relevant project statistics and cumulative statistics will be shown in a straight forward manner to officials to provide information to the media or to their constituents.

5. Contractual Requirements

The Owner is seeking qualifications and proposals for monitoring and managing the removal of disaster generated debris from public lands, easements, and rights-of-way. Removal of debris from private property may also be included. The primary purpose of these services is to ensure that the entire debris removal, hauling, recycling and/or disposal process is done properly and expeditiously and is eligible for reimbursement under Federal Emergency Management Agency (FEMA) Public Assistance Program, Federal Highway Administration (FHWA) and state emergency management agency guidelines.

Respondent must meet the following general conditions:

- 1) be able to provide monitoring of the clean-up, removal, separation, reduction and disposal of debris as defined in the Scope of Services
- 2) be willing and capable of performing the Services, including, but not limited to, proper documentation preparation, management, and event closure services;
- 3) be knowledgeable and have experience in the provision of the Services for reimbursement through the FEMA Public Assistance and FHWA ER program; and
- 4) be able to perform the Services and any other agreed to services in a timely manner, recognizing that the Owner desires to have this project completed within 30 days following completion of debris hauling and removal.

FEMA Mandated Contract Clauses:

If applicable to the work and services being performed by CONTRACTOR under the parties' AGREEMENT, the following provisions are adopted and form part of this AGREEMENT:

(A) DAMAGES, 2 CFR §200.326 Appendix II to Part 200 (A)

- (1) All work to be performed under this AGREEMENT shall be timely commenced. A breach of this AGREEMENT by Contractor would cause substantial delay in the completion of the required services affecting the safety and welfare of the public.
- (2) In the event of Contractor's breach of its performance obligations, County shall have all rights and remedies against Contractor as provided by law.

(B) TERMINATION RIGHTS, 2 CFR §200.326 Appendix II to Part 200 (B)

Termination for Convenience: Whenever the interests of the County so require, County may terminate the parties' Agreement, in whole or in part, for the convenience of the County. County shall give Contractor thirty (30) days prior written notice of termination specifying the portions of the Agreement to be terminated and when such termination will become effective. If only portions of the parties' agreement are terminated, Contractor has the right to withdraw from the parties' Agreement, without adverse action or claims. In the event of a termination for convenience by County, Contractor shall be entitled to payment for all work and services performed by it up to the effective date of such termination.

Termination for Cause: The County may, by written notice of default to Contractor, terminate the parties' Agreement, in whole or in part, if the Contractor fails to satisfactorily perform any provisions of the parties'

agreement after a period of ten (10) following Contractor's receipt of a Notice of Deficiency provided by County.

(C) EQUAL EMPLOYMENT OPPORTUNITY CLAUSE (2 CFR §200.326 Appendix II to Part 200 (C))

If applicable to the work and services performed by CONTRACTOR under the AGREEMENT, during the performance of the AGREEMENT, CONTRACTOR shall comply with the Equal Employment Opportunity Clause (41 CFR 60-1.4(b)):

- (1) CONTRACTOR will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. CONTRACTOR will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. AGREEMENTOR agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) CONTRACTOR will, in all solicitations or advertisements for employees placed by or on behalf of the CONTRACTOR, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.
- (3) CONTRACTOR will send to each labor union or representative of workers with which it has a collective bargaining agreement or other agreement or understanding, a notice to be provided advising the said labor union or workers' representatives of the CONTRACTOR'S commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (4) CONTRACTOR will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (5) CONTRACTOR will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor for purpose of investigation to ascertain compliance with such rules, regulations, and orders.
- (6) In the event of the CONTRACTOR'S noncompliance with the nondiscrimination clauses of this AGREEMENT or with any of the said rules, regulations or orders, this AGREEMENT may be canceled, terminated, or suspended in whole or in part and the CONTRACTOR may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (7) CONTRACTOR will include the portion of the sentence immediately preceding paragraph (1) and the provisions of subparagraphs 1 through 7 in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or contractor. CONTRACTOR will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: provided,

however, that in the event CONTRACTOR becomes involved in, or is threatened with, litigation with a subcontractor or contractor as a result of such direction by the administering agency the CONTRACTOR may request the United States to enter into such litigation to protect the interest of the United States.

See also Request for Proposals at page 8, Section E.

D. DAVIS-BACON ACT AND COPELAND “ANTI-KICKBACK” ACT, 2 CFR §200.326 Appen. II to Part 200 (D)

If applicable to the work and services performed by CONTRACTOR under the parties’ AGREEMENT:

(1) Bacon-Davis Act: Applicable to construction or repair of public buildings or public works. see FEMA Public Assistance Program and Policy Guide, Ch.2(V)(G)(2), page 32 (FP 104-009-2/January 2016);

(2) Copeland “Anti-Kickback” Act: In contracts subject to the Davis-Bacon Act, CONTRACTOR shall comply with the Copeland “Anti-Kickback” Act (40 U.S.C. §3145), as supplemented by Department of Labor regulations (29 CFR Part 3, “Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States”). The Act provides that the contractor and subcontractor must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The GOVERNMENT must report all suspected or reported violations to the appropriate Federal agency.

If applicable to the work and services performed by CONTRACTOR under the parties’ AGREEMENT:

(a) CONTRACTOR shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this AGREEMENT.

(b) CONTRACTOR or subcontractor shall insert in any subcontract the clause above and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The CONTRACTOR shall be responsible for the compliance by any subcontractor or lower tier subcontract with all of these contract clauses.

(c) A breach of the AGREEMENT clause above may be grounds for termination of the AGREEMENT, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. §5.12.

E. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, 2 CFR §200.326 Appendix II to Part 200 (E) (40 U.S.C. 3701-3708)

Contracts in excess of \$100,000 that involve the employment of mechanics or laborers shall comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor and its subcontractors shall compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation: liability for unpaid wages: liquidated damages. In the event of any violation of the clause set forth in paragraph (I) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (I) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (I) of this section.

(3) Withholding for unpaid wages and liquidated damages. The GOVERNMENT shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) The contractor and subcontractor shall insert in any subcontract the clauses set forth in paragraphs (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts.

F. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT, 2 CFR §200.326 Appendix II to Part 200 (F)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT and if the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the GOVERNMENT wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the GOVERNMENT must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business."

G. CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT, 2 CFR §200.326 Appendix II to Part 200 (G)

CONTRACTOR shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

CONTRACTOR shall include the foregoing requirements in each subcontract exceeding \$100,000.

H. ENERGY EFFICIENCY AND CONSERVATION, 2 CFR §200.326 Appendix II to Part 200 (H)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT, CONTRACTOR shall comply with the mandatory standards and policies of the state regulation promulgated in accordance with the Energy Policy and Conservation Act (42 U.S.C. § 6201).

I. DEBARMENT AND SUSPENSION, 2 CFR §200.326 Appendix II to Part 200 (I)

(1) This AGREEMENT is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the CONTRACTOR is required to verify that none of the contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

(2) The CONTRACTOR must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

(3) This certification is a material representation of fact relied upon by GOVERNMENT. If it is later determined that the CONTRACTOR did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to GOVERNMENT, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

(4) The CONTRACTOR agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C AGREEMENT is valid and throughout the period of performance. The CONTRACTOR further agrees to include a provision requiring such compliance in its lower tier covered transactions.

See also Request for Proposals at page 6, Section 14.

J. BYRD ANTI-LOBBYING AMENDMENT, 2 CFR §200.326 Appendix II to Part 200 (J)

CONTRACTOR must file with the GOVERNMENT the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award. If not provided with the bid response, CONTRACTOR must complete and submit the Certification Regarding Lobbying Form.

See Request for Proposals at page 7, Section B.

K. PROCUREMENT OF RECOVERED MATERIALS, 2 CFR §200.326 Appendix II to Part 200 (K) and 2 CFR §200.322)

(1) In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired-

- (a) Competitively within a timeframe providing for compliance with the contract performance schedule;
- (b) Meeting contract performance requirements; or
- (c) At a reasonable price.

(2) Information about this requirement is available at EPA's Comprehensive Procurement Guidelines web site, <http://www.epa.gov/cpg/>.

The list of EPA-designate items is available at <http://www.epa.gov/cpg/products/htm>.

L. AGREEMENTING WITH SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS (2 CFR §200.321)

Should the CONTRACTOR subcontract any of the work under this AGREEMENT, CONTRACTOR shall take the following affirmative steps: place qualified small and minority businesses and women's business enterprises on solicitation lists; assure that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources; divide total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises; establish delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and use the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

M. ACCESS TO RECORDS

(1) CONTRACTOR agrees to provide GOVERNMENT, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Contractor which are directly pertinent to this AGREEMENT for the purposes of making audits, examinations, excerpts, and transcriptions.

(2) CONTRACTOR agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

(3) CONTRACTOR agrees to provide the FEMA Administrator or his authorized representatives access to construction or other work sites pertaining to the work being completed under the contract.

N. SEAL, LOGO AND FLAGS

CONTRACTOR shall not use the U.S. Department of Homeland Security's seal(s), logos, crests, or reproductions of flags or likenesses of the U.S. Department of Homeland Security's agency officials without specific FEMA preapproval.

O. COMPLIANCE WITH FEDERAL LAW, REGULATIONS AND EXECUTIVE ORDERS

This is an acknowledgement that FEMA financial assistance will be used to fund the AGREEMENT only. CONTRACTOR will comply with all federal law, regulations, executive orders, FEMA policies, procedures, and directives. See also Requests for Proposals at page 24, Section 3.4, subparagraph 5.

P. NO OBLIGATION BY FEDERAL GOVERNMENT

The Federal Government is not a party to this AGREEMENT and is not subject to any obligations or liabilities to GOVERNMENT, CONTRACTOR, or any other party pertaining to any matter resulting from the contract.

Q. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS

CONTRACTOR acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the CONTRACTOR'S actions pertaining to this contract.

6. Response Format

Company Profile: A company profile including the firm name, business address, telephone number, year established (include former firm names and year established, if applicable), type of ownership, and parent company, if any. Provide the name of the person who shall serve as authorized negotiator for Respondent, should Respondent be selected to negotiate with Owner.

Experience: Provide information indicative of experience on other projects of similar complexity that documents successful and reliable experience in past performance within the last ten (10) years, as it relates to this proposal. The proposing firm must demonstrate that they have successfully performed services on at least 10 FEMA reimbursable disaster debris removal projects related to at least 3 different declared disasters, over the past ten (10) years, including at least two projects involving removal of at least 500,000 cubic yards of debris. Identify local governmental clients for whom similar services have been provided including name of client, client contact person, description of services performed and quantity of debris monitored. Provide resumes of key staff. Respondent must demonstrate special disaster recovery program management services including monitoring of private property/right-of-entry (ROE) work, waterway/marine debris clean-up, sand recovery/beach remediation, hazardous tree/limb removal, hazardous material removal, white goods, vessel and vehicle recovery, asbestos removal, data management, contracting/invoice reconciliation, and FEMA appeals assistance.

Personnel: Provide an organizational chart, resumes, and summary of staff qualifications. Demonstrate current capacity and current expertise in debris removal, solid waste and hazardous waste management and disposal. Respondent shall document knowledge and experience of personnel with Federal, State and local emergency management agencies, programs, funding sources and reimbursement processes.

Conflicts: All Respondents must certify that Respondent, nor any employee thereof, has any conflict of interest, either direct or indirect, in connection with the services sought herein pursuant to Federal or state law. Has Respondent had a contract related to debris removal cancelled within the past ten years? If so, state the name and address of the other contracting party and reason.

Technical Approach: Provide a description of the Proposer's approach to the project including implementation of the RFP Scope of Services, startup procedures, debris estimating methodology, and management of debris recovery contractors.

References: The respondent shall provide references for five debris projects of similar size performed over the past ten years. Include the client name, debris quantity, brief summary of work, along with name, address, and phone number of a responsible contact person.

Capacity: Capacity to perform services timely for the Owner is critical and could be impacted by other obligations firms may have in the general area. Provide a listing of all active or pre-event debris contracts with cities, counties, or other entities within 500 miles of Jefferson County, Texas. Provide current obligations of Respondent, including time schedules and staff committed.

7. Proposal Evaluation and Selection Process

7.1 Introduction

The proposal evaluation and selection process is detailed in this section, as are other factors, and the format in which the cost response of each proposal must be submitted.

7.2 Fee Schedule

Offeror must utilize the Fee Schedule Form provided on PAGE 34 of these specifications. However, Offeror *is not limited* to offering the positions and services as listed on the Fee Schedule Form. Offeror may also include additional, optional positions and services.

7.3 Proposal Evaluation and Selection

Prior to the receipt of proposals, the County will establish an Evaluation Committee.

7.4 Evaluation Criteria:

a. References – 25%

References on recent projects of similar size and scope. Including two projects over 500,000 C.Y.

b. Personnel Qualifications – 20 %

Qualifications of firm and key staff.

c. Experience – 20 %

Diverse project experience including: ROW, C&D debris, marine debris, private property, structure demolition, and vessel removal.

d. Capacity to Respond – 20 %

Capacity to respond to major and catastrophic disasters, with few existing pre-event contracts within 500 miles of Jefferson County, Texas.

e. Fee Schedule – 15%

While this will be an important factor, it will be considered as just one factor in the evaluation and selection process.

The Evaluation Committee may elect to require an oral presentation from each qualified Offeror of the information contained in their proposal. Any invitation for an oral presentation will be solely for the purpose of clarifying proposals received from each qualifying Offeror, and will not represent any decision on the part of the evaluation committee as to the selection of a successful Offeror.

Upon completion of their review and any oral presentations, the Evaluation Committee will convene one or more times to discuss the proposals as a group. Each Evaluation Committee member will individually score each proposal independently. Jefferson County Purchasing Department will collect all scores and aggregate the scores of all Committee members. The Purchasing Department will then prepare a report identifying the proposal that scored the

highest in the selection process according to the evaluation criteria described in this RFP and upon the selection of an apparent successful Offeror, the Court shall appoint the Purchasing

Agent to proceed with contract negotiations and attempt to finalize a written contract with the apparent successful Offeror. If a contract cannot be successfully negotiated within a reasonable period of time, negotiations will be terminated, and negotiations with the next highest-ranking Offeror may commence. This process may continue until a contract is signed or the RFP is withdrawn. However, the County may, in its sole judgment and at any time upon failure of negotiations, choose to reissue or withdraw the RFP rather than continue with negotiations. A notice of award will be sent to all Offerors immediately following execution of a written contract.

Key staff of the County will be available to the successful Offeror on a reasonable basis, but may not be available on holidays or weekends.

Fee Schedule

Each Proposer must complete and submit the Cost Proposal Form/Fee Schedule below. Cost will be evaluated using the hourly rates submitted below for the labor positions listed. The hourly labor rates shall include all applicable overhead and profit. Overtime hours will be paid at the same rate as regular time hours. All normal expenses shall be absorbed in hourly rates, including lodging, meals, transportation, and per Diem. Special costs such as boat rental and marine expenses may be billed to the Owner at cost without mark-up. **Proposer may also include additional, optional positions and services.**

Position	Hourly Rate
Project Manager	\$ ____ . ____
Operations Manager	\$ ____ . ____
Data Manager	\$ ____ . ____
GIS Analyst	\$ ____ . ____
Field Supervisor	\$ ____ . ____
Debris Site/Tower Monitors	\$ ____ . ____
Collection Monitor	\$ ____ . ____
Data Entry Clerk/Clerical	\$ ____ . ____
Billing/Invoice Analysts	\$ ____ . ____

Name of Offeror:	
Signature:	
Title:	

Offeror Must Complete and Return This Page With Offer.

Non-Disclosure Agreement

In consideration of Jefferson County retaining the services of a consultant and because of the sensitivity of certain information which may come under the care and control of Consultant, both parties agree that all information regarding the County or any selected County agency subject to this Contract; or gathered, produced, or derived from this project (Confidential Information) must remain confidential subject to release only by permission of the County, and more specifically agree as follows:

Media releases pertaining to this RFP and/or any resulting contract, or the services to which they relate, will not be made without the prior written consent of the County, and then only in accordance with explicit written instructions from the County. The disclosure of the contents of proposals prior to the award of a contract under this RFP, or any other violation of this section, may result in disqualification.

1. The Information may be used by Consultant only to assist Consultant in connection with its engagement with the County.
2. Consultant will not, at any time, use the Information in any fashion, form, or manner except in its capacity as independent consultant to the County.
3. Consultant agrees to maintain the confidentiality of any and all deliverables resulting from this Contract in the same manner that it protects the confidentiality of its own proprietary products of like kind.
4. The Information may not be copied or reproduced without the County's written consent.
5. All materials made available to Consultant, including copies thereof, must be returned to County upon the first to occur of; (a) completion of the project, or (b) request by the County.
6. The foregoing must not prohibit or limit Consultant use of the information (including, but not limited to, ideas, concepts, know-how, techniques and methodologies) (a) previously known to it, (b) independently developed by it, (c) acquired by it from a third party, or (d) which is or becomes part of the public domain through no breach to Consultant of this agreement.
7. This agreement shall become effective as of the date Information is first made available to Consultant and must survive the contract and be a continuing requirement.
8. The breach of this Nondisclosure Agreement by Consultant shall entitle the County to immediately terminate the Agreement upon written notice to Contractor for such breach. The parties acknowledge that the measure of damages in the event of a breach of this Nondisclosure Agreement may be difficult or impossible to calculate, depending on the nature of the breach. Regardless of whether the County elects to terminate the Agreement upon the breach hereof, the County may require Consultant to pay to the County the sum of \$1,000 for each breach as liquidated damages. This amount is not intended to be in the nature of a penalty, but is intended to be a reasonable estimate of the amount of damages to the County in the event of a breach hereof by Consultant. Comptroller does not waive any right to seek additional relief, either equitable or otherwise, concerning any breach of this Agreement.

[Printed Name of Consultant]

By: _____

Title: _____

Date: _____

Offeror Must Complete and Return This Page With Offer.

Vendor References

Please list at least three (3) companies or governmental agencies (preferably a municipality) where the same or similar products and/or services as contained in this specification package were recently provided.

THIS FORM MUST BE RETURNED WITH YOUR OFFER.

REFERENCE ONE

Government/Company Name: _____

Address: _____

Contact Person and Title: _____

Phone: _____ Fax: _____

Email Address: _____ Contract Period: _____

Scope of Work: _____

REFERENCE TWO

Government/Company Name: _____

Address: _____

Contact Person and Title: _____

Phone: _____ Fax: _____

Email Address: _____ Contract Period: _____

Scope of Work: _____

REFERENCE THREE

Government/Company Name: _____

Address: _____

Contact Person and Title: _____

Phone: _____ Fax: _____

Email Address: _____ Contract Period: _____

Scope of Work: _____

Offeror Must Complete and Return This Page With Offer.

Signature Page

As permitted under Article 4413 (32c) V.A.C.S., other governmental entities may wish to participate under the same terms and conditions contained in this contract (i.e., piggyback). In the event any other entity participates, all purchase orders will be issued directly from and shipped directly to the entity requiring supplies/services. Jefferson County shall not be held responsible for any orders placed, deliveries made or payment for supplies/services ordered by another entity. Each entity reserves the right to determine their participation in this contract.

Would bidder be willing to allow other governmental entities to piggyback off this contract, if awarded, under the same terms and conditions? Yes ☐ No ☐

This bid shall remain in effect for ninety (90) days from bid opening and shall be exclusive of federal excise and state and local sales tax (exempt).

The undersigned agrees, if this bid is accepted, to furnish any and all items upon which prices are offered, at the price and upon the terms and conditions contained in the Invitation for Bid, Conditions of Bidding, Terms of Contract, and Specifications and all other items made a part of the accepted contract.

The undersigned affirms that they are duly authorized to execute the contract, that this company, corporation, firm, partnership or individual has not prepared this bid in collusion with any other bidder, and that the contents of this bid as to prices, terms or conditions of said bid have not been communicated by the undersigned nor by any employee or agent to any other bidder or to any other person(s) engaged in this type of business prior to the official opening of this bid. And further, that neither the bidder nor their employees nor agents have been for the past six (6) months directly nor indirectly concerned in any pool or agreement or combination to control the price of goods or services on, nor to influence any person to bid or not to bid thereon.

<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> Bidder (Entity Name)	<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> Signature
<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> Street & Mailing Address	<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> Print Name
<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> City, State & Zip	<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> Date Signed
<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> Telephone Number	<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> Fax Number
<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> E-mail Address	

Offeror Must Complete and Return This Page With Offer.

Conflict of Interest Questionnaire

CONFLICT OF INTEREST QUESTIONNAIRE For vendor doing business with local governmental entity		FORM CIQ
<p>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</p> <p>This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).</p> <p>By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.</p> <p>A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.</p>		OFFICE USE ONLY <div style="border: 1px solid black; height: 100px; width: 100%;"></div>
1	Name of vendor who has a business relationship with local governmental entity. <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	
2	<div style="display: flex; align-items: center;"> <input style="margin-right: 10px;" type="checkbox"/> Check this box if you are filing an update to a previously filed questionnaire. </div> <p>(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)</p>	
3	Name of local government officer about whom the information in this section is being disclosed. <div style="text-align: center; margin-bottom: 10px;"> <div style="border-bottom: 1px solid black; width: 200px; margin: 0 auto;"></div> <p>Name of Officer</p> </div> <p>This section (item 3 including subparts A, B, C, & D) must be completed for each officer with whom the vendor has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach additional pages to this Form CIQ as necessary.</p> <p>A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the vendor?</p> <div style="display: flex; justify-content: center; gap: 50px; margin-top: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> <p>B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer named in this section AND the taxable income is not received from the local governmental entity?</p> <div style="display: flex; justify-content: center; gap: 50px; margin-top: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> <p>C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more?</p> <div style="display: flex; justify-content: center; gap: 50px; margin-top: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> <p>D. Describe each employment or business and family relationship with the local government officer named in this section.</p> <div style="border: 1px solid black; height: 100px; width: 100%; margin-top: 10px;"></div>	
4	<div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <div style="border-bottom: 1px solid black; width: 100%; margin-bottom: 5px;"></div> <p>Signature of vendor doing business with the governmental entity</p> </div> <div style="width: 45%;"> <div style="border-bottom: 1px solid black; width: 100%; margin-bottom: 5px;"></div> <p>Date</p> </div> </div>	

Adopted 8/7/2015

Offeror Must Complete and Return This Page With Offer.

Local Government Officer Conflicts Disclosure Statement - OFFICE USE ONLY

LOCAL GOVERNMENT OFFICER CONFLICTS DISCLOSURE STATEMENT		FORM CIS
<p>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</p> <p>This is the notice to the appropriate local governmental entity that the following local government officer has become aware of facts that require the officer to file this statement in accordance with Chapter 176, Local Government Code.</p>		OFFICE USE ONLY
1	Name of Local Government Officer	Date Received _____
2	Office Held	
3	Name of vendor described by Sections 176.001(7) and 176.003(a), Local Government Code	
4	Description of the nature and extent of employment or other business relationship with vendor named in item 3	
5	List gifts accepted by the local government officer and any family member, if aggregate value of the gifts accepted from vendor named in item 3 exceeds \$100 during the 12-month period described by Section 176.003(a)(2)(B).	
<div style="display: flex; justify-content: space-between;"> <div>Date Gift Accepted _____</div> <div>Description of Gift _____</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Date Gift Accepted _____</div> <div>Description of Gift _____</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Date Gift Accepted _____</div> <div>Description of Gift _____</div> </div> <p style="text-align: center; margin-top: 10px;">(attach additional forms as necessary)</p>		
6	AFFIDAVIT	
<p>I swear under penalty of perjury that the above statement is true and correct. I acknowledge that the disclosure applies to each family member (as defined by Section 176.001(2), Local Government Code) of this local government officer. I also acknowledge that this statement covers the 12-month period described by Section 176.003(a)(2)(B), Local Government Code.</p> <div style="text-align: right; margin-top: 20px;"> _____ Signature of Local Government Officer </div> <p style="margin-top: 20px;">AFFIX NOTARY STAMP / SEAL ABOVE</p> <p>Sworn to and subscribed before me, by the said _____, this the _____ day of _____, 20_____, to certify which, witness my hand and seal of office.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div>_____ Signature of officer administering oath</div> <div>_____ Printed name of officer administering oath</div> <div>_____ Title of officer administering oath</div> </div>		

Adopted 8/7/2015

Offeror Must Complete and Return This Page With Offer.

Good Faith Effort (GFE)

DETERMINATION CHECKLIST

This information must be submitted with your proposal.

Instructions: In order to determine if a “Good Faith Effort” was made in soliciting HUBs for subcontracting opportunities, the following checklist and supporting documentation shall be completed by the Prime Contractor/Consultant, and returned with the Prime Contractor/ Consultant’s bid. This list contains the **minimum** efforts that should be put forth by the Prime Contractor/Consultant when attempting to achieve or exceed the goals of HUB Subcontractor participation. The Prime Contractor/Consultant may extend his/her efforts in soliciting HUB Subcontractor participation beyond what is listed below.

Did the Prime Contractor/Consultant . . .

- | | | |
|------------------------------|-----------------------------|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 1. To the extent practical, and consistent with standard and prudent industry standards, divide the contract work into the smallest feasible portions, to allow for maximum HUB Subcontractor participation? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 2. Notify in writing a reasonable number of HUBs, allowing sufficient time for effective participation of the planned work to be subcontracted? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 3. Provide HUBs that were genuinely interested in bidding on a subcontractor, adequate information regarding the project (i.e., plans, specifications, scope of work, bonding and insurance requirements, and a point of contact within the Prime Contractor/Consultant’s organization)? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 4. Negotiate in good faith with interested HUBs, and not reject bids from HUBs that qualify as lowest and responsive bidders? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 5. Document reasons HUBs were rejected? Was a written rejection notice, including the reason for rejection, provided to the rejected HUBs? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 6. If Prime Contractor/Consultant has zero (0) HUB participation, please explain the reasons why. |

**If “No” was selected, please explain and include any pertinent documentation with your bid.
If necessary, please use a separate sheet to answer the above questions.**

Printed Name of Authorized
Representative

Signature

Title

Date

Offeror Must Complete and Return This Page With Offer.

Notice of Intent (NOI) to Subcontract with Historically Underutilized Business (HUB)

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).

☐ Yes ☐ No

Instructions for Prime Contractor/Consultant: Bidder shall submit this form with the bid; however, the information below may be submitted after contract award, but prior to beginning performance on the contract. Please submit one form for each HUB Subcontractor/Subconsultant with proper signatures, per the terms and conditions of your contract.

Contractor Name: _____ HUB: ☐ Yes ☐ No

Address: _____

Street	City	State	Zip
--------	------	-------	-----

Phone (with area code): _____ Fax (with area code): _____

Project Title & No.: _____

Prime Contract Amount: \$

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity):

Certifying Agency: ☐ Tx. Bldg & Procurement Comm. ☐ Jefferson County ☐ Tx Unified Certification Prog.

Address: _____

Street	City	State	Zip
--------	------	-------	-----

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: %

Description of Subcontract Work to be Performed:

Printed Name of Contractor Representative

Signature of Representative

Date _____

Printed Name of HUB

Signature of Representative

Date _____

NOTE: NOTHING ON THIS NOTICE OF INTENT FORM IS INTENDED TO CONFER ANY RIGHTS, EXPRESSED OR IMPLIED, TO ANY THIRD PARTIES.

Pre-Approval for Subcontractor Substitutions must be obtained from the Jefferson County Purchasing Agent's Representative. The "HUB Subcontractor/Subconsultant Change Form" must be completed and faxed to 409-835-8456.

Offeror Must Complete and Return This Page With Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 1 OF 4

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).

☐ Yes ☐ No

Prime Contractor: _____ HUB: ☐ Yes ☐ No

HUB Status (Gender & Ethnicity): _____

Address: _____

Street City State Zip

Phone (with area code): _____ Fax (with area code): _____

Project Title & No.: _____ IFB/RFP No.: _____

Total Contract: \$ _____ Total HUB Subcontract(s): \$ _____

Construction HUB Goals: 12.8% MBE:: _____ % 12.6% WBE: _____ %

Sub-goals: 1.7 African-American, 9.7% Hispanic, 0.7% Native American, 0.8% Asian American.
Use these goals as a guide to diversify.

FOR HUB OFFICE USE ONLY:

Verification date HUB Program Office reviewed and verified HUB Sub information Date: _____ Initials: _____

PART I. HUB SUCONTRACTOR DISCLOSURE

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity):

Certifying Agency: ☐ Texas Bldg & Procurement Comm. ☐ Texas Unified Certification Prog.

Address:

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed:

Offeror Must Complete and Return This Page With Offer.

HUB SUBCONTRACTOR DISCLOSURE

(Duplicate as Needed)

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 3 OF 4

PART II: STATEMENT OF NON-COMPLIANCE FOR NOT MEETING HUB SUBCONTRACTING GOALS

Please complete Good Faith Effort (GFE) Checklist and attach any supporting documentation.

Our firm was unable to meet the HUB goals for this project for the following reasons:

- ☐ All subcontractors to be utilized are "Non-HUBs." (*Complete Part III*)
- ☐ HUBs were solicited but did not respond.
- ☐ HUBs solicited were not competitive.
- ☐ HUBs were unavailable for the following trade(s):
- ☐ Other:

Was the Jefferson County HUB Office contacted for assistance in locating HUBs? ☐ Yes ☐ No

PART III: DISCLOSURE OF OTHER “NON-HUB” SUBCONTRACTS

The bidder shall use this area to provide a listing of all “Non-HUB” Subcontractors, including suppliers, that will perform under this project. A list of those “Non-HUB” Subcontractors the bidder selects, after bid submission, shall be provided to the Purchasing Office not later than five (5) calendar days after being notified that bidder is the apparent low bidder. A list of those “Non-HUB” Subcontractors that are selected after contract award must be provided **immediately** after their selection.

Subcontractor Name:

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed:

Subcontractor Name: _____

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount:	\$	Percentage of Prime Contract:	%
------------------------------	----	-------------------------------	---

Description of Subcontract Work to be Performed:

Offeror Must Complete and Return This Page With Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 4 OF 4

Subcontractor Name: _____

Address: _____

Street City State Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

Subcontractor Name: _____

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

I hereby certify that I have read the *HUB Program Instructions and Information*, truthfully completed all applicable parts of this form, and **attached any necessary support documentation as required**. I fully understand that intentionally falsifying information on this document may result in my not receiving a contract award or termination of any resulting contract.

Name (print or type): _____

Title: _____

Signature: _____

Date: _____

E-mail address:

Contact person that will be in charge of invoicing for this project:

Name (print or type): _____

Title: _____

Date: _____

E-mail address:

Offeror Must Complete and Return This Page With Offer.

Residence Certification/Tax Form

Pursuant to Texas Government Code §2252.001 *et seq.*, as amended, Jefferson County requests Resident Certification. §2252.001 *et seq.* of the Government Code provides some restrictions on the awarding of governmental contracts; pertinent provisions of §2252.001 are stated below:

(3) "Nonresident bidder" refers to a person who is not a resident.

(4) "Resident bidder" refers to a person whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.

☐ I certify that _____ [company name] is a Resident Bidder of Texas as defined in Government Code §2252.001.

☐ I certify that _____ [company name] is a Nonresident Bidder as defined in Government Code §2252.001 and our principal place of business is _____ (city and state).

Taxpayer Identification Number (T.I.N.):	
Company Name submitting bid/proposal:	
Mailing address:	
If you are an individual, list the names and addresses of any partnership of which you are a general partner:	

Property: List all taxable property owned by you or above partnerships in Jefferson County.

Jefferson County Tax Acct. No.*	Property address or location**

* This is the property amount identification number assigned by the Jefferson County Appraisal District.

** For real property, specify the property address or legal description. For business property, specify the address where the property is located. For example, office equipment will normally be at your office, but inventory may be stored as a warehouse or other location.

Offeror Must Complete and Return This Page With Offer.

Bid Affidavit

The undersigned certifies that the bid prices contained in this bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all commodities upon which prices are extended at the price offered, and upon the conditions contained in the specifications and the Notice to Bidders.

STATE OF _____ COUNTY OF _____

BEFORE ME, the undersigned authority, a Notary Public in and for the State of _____,

on this day personally appeared _____, who
(name)

after being by me duly sworn, did depose and say:

"I, _____ am a duly authorized officer of/agent
(name)

for _____ and have been duly authorized to execute the
(name of firm)

foregoing on behalf of the said _____.
(name of firm)

I hereby certify that the foregoing bid has not been prepared in collusion with any other bidder or other person or persons engaged in the same line of business prior to the official opening of this bid. Further, I certify that the bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities bid on, or to influence any person or persons to bid or not to bid thereon."

Name and address of bidder: _____

Fax: _____ Telephone# _____

by: _____ Title: _____
(print name)

Signature: _____

SUBSCRIBED AND SWORN to before me by the above-named

_____ on

this the _____ day of _____, 2018.

Notary Public in and for
the State of _____

Offeror Must Complete and Return This Page With Offer.



JEFFERSON COUNTY PURCHASING DEPARTMENT

Deborah L. Clark, Purchasing Agent

1149 Pearl Street, 1st Floor, Beaumont, TX 77701 409-835-8593 Fax 409-835-8456

LEGAL NOTICE Advertisement for Invitation for Bids

May 21, 2018

Notice is hereby given that sealed bids will be accepted by the Jefferson County Purchasing Department for IFB 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey). **Specifications for this project may be obtained from the Jefferson County website, <http://www.co.jefferson.tx.us/Purchasing/main.htm> or by calling 409-835-8593.**

Bids are to be sealed and addressed to the Purchasing Agent with the bid number and name marked on the outside of the envelope or box. Bidders shall forward an original and three (3) copies of their bid to the address shown below. Jefferson County does not accept bids submitted electronically. Late bids will be rejected as non-responsive. Bids will be publicly opened and read aloud in the Jefferson County Commissioners' Courtroom at the time and date below. Bidders are invited to attend the sealed bid opening.

BID NAME: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

BID NO: IFB 18-013/JW

DUE DATE/TIME: 11:00 AM CDT, Tuesday, June 19, 2018

MAIL OR DELIVER TO: Jefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, Texas 77701

Any questions relating to these requirements should be directed to Jamey West, Assistant Purchasing Agent, at 409-835-8593 or jwest@co.jefferson.tx.us. Bidders may submit technical questions to: Jason Castille, Precinct No. 3 Superintendent at 409-736-2851 or pct3sc@co.jefferson.tx.us.

Jefferson County encourages Disadvantaged Business Enterprises to participate in the bidding process. Jefferson County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provisions of services. Individuals requiring special accommodations are requested to contact our office at 409-835-8593 to make arrangements no later than seven (7) calendar days prior to the submittal deadline. Jefferson County reserves the right to accept or reject any or all proposals, to waive technicalities and to take whatever action is in the best interest of Jefferson County.

All interested firms are invited to submit a bid in accordance with the terms and conditions stated in this bid.

RESPONDENTS ARE STRONGLY ENCOURAGED TO CAREFULLY READ THE ENTIRE INVITATION.

Deborah L. Clark, Purchasing Agent
Jefferson County, Texas

Publish: Beaumont Enterprise & Port Arthur News – May 23, 2018 & May 30, 2018

**IFB 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)
Bids due: 11:00 AM CDT, Tuesday, June 19, 2018**

Table of Contents

Table of Contents	1
Instructions to Bidders	2
General Conditions of Bidding and Terms of Contract.....	6
Special Requirements/Instructions	16
Minimum Specifications	20
Instructions to Bidders (Re: Brand Reference / Equivalent Bid Items)	20
Bid Item 1: Description & Technical Specifications Checklist Form Instructions	21
Bid Item 1: Technical Specifications Checklist Form.....	22
Bid Item 1: Bidder Alternative Features Offered & Exceptions List	37
Bid Item 2: Description & Technical Specifications Checklist Form Instructions	38
Bid Item 2: Technical Specifications Checklist Form.....	39
Bid Item 2: Bidder Alternative Features Offered & Exceptions List	41
Bid Item 3: Description & Technical Specifications Checklist Form Instructions	42
Bid Item 3: Technical Specifications Checklist Form.....	43
Bid Item 3: Bidder Alternative Features Offered & Exceptions List	45
Bid Item 4: Description & Technical Specifications Checklist Form Instructions	46
Bid Item 4: Technical Specifications Checklist Form.....	47
Bid Item 4: Bidder Alternative Features Offered & Exceptions List	49
Bid Item 5: Description & Technical Specifications Checklist Form Instructions	50
Bid Item 5: Technical Specifications Checklist Form.....	51
Bid Item 5: Bidder Alternative Features Offered & Exceptions List	52
Bidder Information Form	53
Offer to Contract Form.....	54
Acceptance of Offer Form	55
Bid Form.....	56
Vendor References.....	62
Signature Page	63
Conflict of Interest Questionnaire	64
Local Government Officer Conflict Disclosure Statement Forms (OFFICE USE ONLY)	65
Good Faith Effort Determination Checklist	66
Notice of Intent	67
HUB Subcontracting Participation Declaration Form	68
Residence Certification/Tax Form	72
Bid Affidavit	73
TECHNICAL SPECIFICATIONS	(APPENDIX A-E)

Instructions to Bidders

1. Bid Submission

Bids must be submitted in complete original form by mail or messenger to the following address:

Jefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, TX 77701

Bids will be accepted at the above address until the time and date specified herein, and immediately after will be publicly opened and read aloud.

Bidder shall submit bid in a tightly sealed opaque envelope or box, plainly marked "SEALED BID." The outside of the envelope or box shall also include the Bid Number, Bid Name, Bid Due Date, and the Bidder's Name and Address; and shall be addressed to the Purchasing Agent.

Late bids will not be accepted and will be returned unopened to the bidder.

All bids submitted in response to this invitation shall become the property of Jefferson County and will be a matter of public record available for review.

Bidder is responsible for submitting:

- One (1) *original* bid copy to include a completed copy of this specifications packet, in its entirety.
- Three (3) numbered bid *copies* to include at a minimum all pages requiring completion and/or marked with instructions to be returned with bid submission and any other documentation requested within these specifications.

Additionally, Bidder must monitor the Jefferson County Purchasing Department Website (below) to see if addenda or additional instructions have been posted. Failure to return all required forms could result in a response being declared as non-responsive.

<http://www.co.jefferson.tx.us/purchasing/main.htm>

2. Bid Submissions During Time of Inclement Weather, Disaster, or Emergency

In case of inclement weather or any other unforeseen event causing the County to close for business on the date of a bid/proposal/statement of qualifications submission deadline, the closing will automatically be postponed until the next business day that County offices are open to the public. Should inclement weather conditions or any other unforeseen event cause delays in courier service operations, the County may issue an addendum to all known vendors interested in the project to extend the deadline. It will be the responsibility of the vendor to notify the county of their interest in the project should these conditions impact their ability to submit a bid/proposal/statement of qualifications submission before the stated deadline. The County reserves the right to make the final judgement call to extend any deadline.

Should an emergency or unanticipated event interrupt normal County processes, and bid/proposal/statement of qualifications submissions cannot be received by the Jefferson County Purchasing Department's office by the exact time specified in the IFB and urgent County requirements preclude amendment to the IFB, the time specified for receipt of bids will be deemed to be extended to the same time of day specified in the solicitation on the first business day on which normal County processes resume.

3. Courthouse Security

Bidders are advised that all visitors to the Courthouse must pass through Security. **Bidders planning to hand deliver bids must allow time to get through Security, as a delay in entering the Courthouse will not be accepted as an excuse for late submittal.** Mondays and Tuesdays are particularly heavy days. Bidders are strongly urged to plan accordingly.

4. Preparation of Bids

The bid shall be legibly printed in ink or typed.

The County requests that bid submissions NOT be bound by staples or glued spines.

If a unit price or extension already entered is to be altered, it shall be crossed out and initialed in ink by the bidder.

The bid shall be legally signed and shall include the complete address of the bidder.

Jefferson County is exempt from Federal and State Sales Taxes, and such taxes shall not be included in bid prices.

5. Signatures

All bids, notifications, claims, and statements must be signed by an individual authorized to bind the bidder. The individual signing certifies, under penalty of perjury, that he or she has the legal authorization to bind the bidder.

6. County Holidays -- 2018:

January 1	Monday	New Year's
January 15	Monday	Martin Luther King, Jr. Day
February 19	Monday	President's Day
March 30	Friday	Good Friday
May 28	Monday	Memorial Day
July 4	Wednesday	Independence Day
September 3	Monday	Labor Day
November 12	Monday	Veteran's Day
November 22 & 23	Thursday & Friday	Thanksgiving
December 24 & 25	Monday & Tuesday	Christmas
January 1, 2019	Tuesday	New Year's

7. Rejection or Withdrawal

Submission of additional terms, conditions or agreements with the bid document are grounds for deeming a bid non-responsive and may result in bid rejection. Jefferson County reserves the right to reject any and all bids and to waive any informalities and minor irregularities or defects in bids. Bids may be withdrawn in person by a bidder or authorized representative, provided their identity is made known and a receipt is signed for the bid, but only if the withdrawal is made prior to the time set for receipt of bids. Bids are an irrevocable offer and may not be withdrawn within 90 days after opening date.

8. Emergency/Declared Disaster Requirements

In the event of an emergency or if Jefferson County is declared a disaster area, by the County, State, or Federal Government, this Acceptance of Offer may be subjected to unusual usage. Contractor shall service the county during such an emergency or declared disaster under the same terms and conditions that apply during non-emergency/disaster conditions. The pricing as specified in this Acceptance of Offer shall apply to serving the County's needs regardless of the circumstances. If Contractor is unable to supply the services under the terms of the Acceptance of Offer, then Contractor shall provide proof of such disruption and a copy of the invoice from Contractor's supplier(s). Additional profit margin as a result of supplying services during an emergency or declared disaster shall not be permitted. In the event that additional equipment,

supplies, and materials are required during the declared disaster, additional shipping, handling and drayage fees may apply.

9. Award

The bid will be awarded to the responsible, responsive bidder(s) whose bid, conforming to the solicitation, will be most advantageous to Jefferson County – price and other factors considered. Unless otherwise specified in this IFB, Jefferson County reserves the right to accept a bid in whole or in part, and to award by item or by group, whichever is deemed to be in the best interest of Jefferson County. Any bidder who is in default to Jefferson County at the time of submittal of the bid shall have that bid rejected. Jefferson County reserves the right to clarify any contractual terms with the concurrence of the Contractor; however, any substantial nonconformity in the offer, as determined by Jefferson County, shall be deemed non-responsive and the offer rejected.

In evaluating bids, Jefferson County shall consider the qualifications of the bidders, and, where applicable, operating costs, delivery time, maintenance requirements, performance data, and guarantees of materials and equipment. In addition, Jefferson County may conduct such investigation as it deems necessary to assist in the evaluation of a bid and to establish the responsibility, qualifications, and financial ability of the bidders to fulfill the contract.

Jefferson County reserves the right to award this contract on the basis of **lowest and best bid** in accordance with the laws of the State of Texas, to waive any formality or irregularity, to make awards to more than one offeror, and/or to reject any or all bids. In the event the lowest dollar offeror meeting specifications is not a awarded a contract, Offeror may appear before the Commissioners' Court and present evidence concerning Offeror responsibility after officially notifying the Office of the Purchasing Agent of Offeror's intent to appear.

10. Contract

A response to an IFB is an offer to contract with Jefferson County based upon the terms, conditions, and specifications contained in the IFB. Bids do not become contracts unless and until they are executed by Jefferson County, eliminating a formal signing of a separate contract. For that reason, all of the terms and conditions of the contract are contained in the IFB, unless any of the terms and conditions is modified by an IFB Amendment, a Contract Amendment, or by mutually agreed terms and conditions in the contract documents.

11. Waiver of Subrogation

Bidder and bidder's insurance carrier waive any and all rights whatsoever with regard to subrogation against Jefferson County as an indirect party to any suit arising out of personal or property damages resulting from bidder's performance under this agreement.

12. Fiscal Funding

A multi-year contract (if requested by the specifications) continuing as a result of an extension option must include fiscal funding out. If, for any reason, funds are not appropriated to continue the contract, said contract shall become null and void.

13. Bid Results

Bid results are not provided in response to telephone inquiries. A preliminary tabulation of bids received will be posted on the Purchasing web page (<http://co.jefferson.tx.us/purchasing/main.htm>) as soon as possible following bid opening. A final tabulation will be posted following bid award, and will also be available for review in the Purchasing Department.

14. Changes and Addenda to Bid Documents

Each change or addendum issued in relation to this IFB document will be on file in the Office of the Purchasing Agent, and will be posted on the Purchasing web site as soon as possible. It shall be the bidder's responsibility to make inquiry as to change or addenda issued, and to monitor the web site. All such changes or addenda shall become part of the contract and all bidders shall be bound by such addenda. Information on all changes or addenda issued will be available at the Office of the County Purchasing Agent.

15. Specifications

Unless otherwise stated by the bidder, the bid will be considered as being in accordance with Jefferson County's applicable standard specifications, and any special specifications outlined in the bid document. References to a particular trade name, manufacturer's catalogue, or model number are made for descriptive purposes to guide the bidder in interpreting the requirements of Jefferson County, and should not be construed as excluding bids on other types of materials, equipment, and supplies. However, the bidder, if awarded a contract, will be required to furnish the particular item referred to in the specifications or description unless departure or substitution is clearly noted and described in the bid. Jefferson County reserves the right to determine if equipment/ product being bid is an acceptable alternate. All goods shall be new unless otherwise so stated in the bid. Any unsolicited alternate bid, or any changes, insertions, or omissions to the terms and conditions, specifications, or any other requirements of the bid, may be considered non-responsive.

16. Delivery

Bids shall include all charges for delivery, packing, crating, containers, etc. Unless otherwise stated by the bidder (in writing on the included Bid Form), prices bid will be considered as being based on F.O.B. destination/delivered freight included.

17. Interpretation of Bid and/or Contract Documents

All inquiries shall be made within a reasonable time prior to the date and time fixed for the bid opening, in order that a written response in the form of an addendum, if required, can be processed before the bids are opened. Inquiries received that are not made in a timely fashion may or may not be considered.

18. Currency

Prices calculated by the bidder shall be stated in U.S. dollars.

19. Pricing

Prices shall be stated in units of quantity specified in the bid documents. In case of discrepancy in computing the amount of the bid, the unit price shall govern.

20. Notice to Proceed/Purchase Order

The successful bidder may not commence work under this contract until authorized to do so by the Purchasing Agent.

21. Certification

By signing the offer section of the Offer and Acceptance page, bidder certifies:

- The submission of the offer did not involve collusion or other anti-competitive practices.
- The bidder has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to any public servant in connection with the submitted offer.
- The bidder hereby certifies that the individual signing the bid is an authorized agent for the bidder and has the authority to bind the bidder to the contract.

22. Definitions

"County" – Jefferson County, Texas.

"Contractor" – The bidder whose proposal is accepted by Jefferson County.

23. Minority-Women Business Enterprise Participation

It is the desire of Jefferson County to increase the participation of Minority (MBE) and women-owned (WBE) businesses in its contracting and procurement programs. While the County does not have any preference or set aside programs in place, it is committed to a policy of equitable participation for these firms.

General Conditions of Bidding and Terms of Contract

By execution of this document, the vendor accepts all general and special conditions of the contract as outlined below and in the specifications and plans.

1. Bidding

1.1 Bids. All bids must be submitted on the bid form furnished in this package.

1.2 Authorized Signatures. The bid must be executed personally by the vendor, duly authorized partner of the partnership, or duly authorized officer of the corporation. If executed by an agent, a power of attorney or other evidence of authority to act on behalf of the vendor shall accompany the bid to become a valid bid.

1.3 Late Bids. Bids must be in the office of the Jefferson County Purchasing Agent before or at the specified time and date bids are due. Bids received after the submission deadline shall be rejected as non-responsive and returned unopened.

1.4 Withdrawal of Bids Prior to Bid Opening. A bid may be withdrawn before the opening date by submitting a written request to the Purchasing Agent. If time allows, the bidder may submit a new bid. Bidder assumes full responsibility for submitting a new bid before or at the specified time and date bids are due. Jefferson County reserves the right to withdraw a request for bids before the opening date.

1.5 Withdrawal of Bids after Bid Opening. Bidder agrees that its offer may not be withdrawn or cancelled by the vendor for a period of ninety (90) days following the date and time designated for the receipt of bids unless otherwise stated in the bid and/or specifications.

1.6 Bid Amounts. Bids shall show net prices, extensions where applicable and net total. In case of conflict between unit price and extension, the unit price will govern. Any ambiguity in the bid as a result of omission, error, unintelligible or illegible wording shall be interpreted in the favor of Jefferson County.

1.7 Exceptions and/or Substitutions. All bids meeting the intent of the specifications and plans will be considered for award. Vendors taking exception to the specifications and plans, or offering substitutions, shall state these exceptions in the section provided. If bid is made on an article other than the one specified, which a bidder considers comparable, the name and grade of said article must be specified in the bid and sufficient specifications and descriptive data must accompany same to permit thorough evaluation. The absence of stated exceptions and/or substitutions shall indicate that the vendor has not taken any exceptions to the specifications and shall be responsible to perform in strict accordance with the specifications. As a matter of practice, Jefferson County rejects exception(s) and /or substitutions as non-responsive but reserves the right to accept any and/or all of the exception(s) and/or substitution(s) deemed to be in the best interest of Jefferson County.

1.8 Alternates. The Invitation for Bid and/or specifications may expressly allow bidder to submit an alternate bid. Presence of such an offer shall not be considered an indication of non-responsiveness.

1.9 Descriptions. Unless otherwise specified, any reference to make, manufacturer and/or model used in the bid specifications is merely descriptive and not restrictive, and is used only to indicate type, style, or quality of material desired.

1.10 Bid Alterations. Bids cannot be altered or amended after submission deadline. Any interlineations, alterations, or erasures made before opening time must be initialed by the signer of the bid, guaranteeing authenticity.

1.11 Tax Exempt Status. Jefferson County is exempt from federal excise tax and state sales tax. Unless the bid form or specifications specifically indicate otherwise, the bid price must be net, exclusive of above-mentioned taxes and will be so construed. Therefore, the bid price shall not include taxes.

1.12 Quantities. Quantities indicated are estimated quantities only and are not a commitment to buy. Approximate usage does not constitute an order, but only implies the probable quantity that will be used. Commodities will be ordered on an as-needed basis. Bidder is responsible for accurate final counts.

1.13 Bid Award. Award of contract shall be made to the most responsible, responsive bidder, whose offer is determined to be the best value, taking into consideration the relative importance of price. Jefferson County reserves the right to be the sole judge as to whether items bid will serve the purpose intended.

Jefferson County reserves the right to accept or reject in part or in whole any bid submitted, and to waive any technicalities or informalities for the best interest of the County. Jefferson County reserves the right to award based upon individual line items, sections or total bid.

1.14 Silence of Specifications for Complete Units. All materials, equipment and/or parts that will become a portion of the completed work, including items not specifically stated herein but, necessary to render the service(s) complete and operational per the specifications, are to be included in the bid price. Vendor may be required to furnish evidence that the service, as bid, will meet or exceed these requirements.

1.15 Addenda. Any interpretations, corrections or changes to the specifications and plans will be made by addenda no later than forty-eight (48) hours prior to the bid opening. Addenda will be posted on the Purchasing web site. Vendors are responsible for monitoring the web site in order to remain informed on addenda. Vendors shall acknowledge receipt of all addenda with submission of bid.

1.16 General Bid Bond/Surety Requirements. Failure to furnish bid bond/surety, if requested, will result in bid being declared non-responsive. Non-responsive bids will not be considered for award.

1.17 General Insurance Requirements. Failure to furnish Affidavit of Insurance, if required in these specifications, will result in bid being declared non-responsive. Non-responsive bids will not be considered for award.

1.18 Responsiveness. A responsive bid shall substantially conform to the requirements of this Invitation to Bid and/or specifications contained herein. Bidders who substitute any other terms, conditions, specifications and/or requirements or who qualify their bids in such a manner as to nullify or limit their liability to the contracting entity shall have their bids deemed non-responsive. Also, bids containing any clause that would limit contracting authority shall be considered non-responsive. Examples of non-responsive bids include but shall not be limited to: a) bids that fail to conform to required delivery schedules as set forth in the bid request; b) bids with prices qualified in such a manner that the bid price cannot be determined, such as with vague wording that may include "price in effect at the time of delivery," and c) bids made contingent upon award of other bids currently under consideration.

1.19 Responsible Standing of Bidder. To be considered for award, bidder must at least: have the ability to obtain adequate financial resources, be able to comply with required or proposed delivery/completion schedule, have a satisfactory record of performance; have a satisfactory record of integrity and ethics, and be otherwise qualified and eligible to receive award.

1.20 Confidential/Proprietary Information

If any material in the bid submission is considered by Bidder to be confidential or proprietary information (including manufacturing and/or design processes exclusive to the Bidder), Bidder **must** clearly mark the applicable pages of Bidder's bid submission to indicate each claim of confidentiality. Additionally, Bidder must include a statement on company letterhead identifying all Bid Submission section(s) and page(s) that have been marked as confidential. Jefferson County will protect from public disclosure such portions of a bid, unless directed otherwise by legal authority, including existing open records acts. Merely making a blanket claim that the entire bid submission is protected from disclosure because it contains some proprietary information is not acceptable, and will make the entire bid submission subject to release under the Texas Public Information Act.

By submitting a bid, Bidder agrees to reproduction by Jefferson County, without cost or liability, of any copyrighted portions of Bidder's bid submission or other information submitted by Bidder.

1.21 Public Bid Opening. Bidders are invited to be present at the opening of bids. After the official opening of bids, a period of not less than one week is necessary to evaluate bids. The amount of time necessary for bid evaluation may vary and is determined solely by the County. Following the bid evaluation, all bids submitted are available for public review.

2. Performance

2.1 Design, Strength, and Quality. Design, strength, and quality of materials and workmanship must conform to the highest standards of manufacturing and engineering practices. The apparent silence of specifications and/or plans as to any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of these specifications and/or plans shall be made on the basis of this statement.

2.2 Age and Manufacture. All tangible goods being bid must be new and unused, unless otherwise specified, in first-class condition, of current manufacture, and furnished ready to use. All items not specifically mentioned that are required for a complete unit shall be furnished.

2.3 Delivery Location. All deliveries will be made to the address(es) specified on the purchase order during normal working hours of 8:00 a.m. to 4:00 p.m., Monday through Friday, unless otherwise authorized by the Purchasing Agent or designee.

2.4 Delivery Schedule. Delivery time may be an important consideration in the evaluation of best value. The maximum number of days necessary for delivery ARO shall be stated in the space, if provided, on the bid form.

2.5 Delivery Charges. All delivery and freight charges, F.O.B. destination shown on Jefferson County purchase order, as necessary to perform contract are to be included in the bid price.

2.6 Installation Charges. All charges for assembly, installation and set-up shall be included in the bid price. Unless otherwise stated, assembly, installation and set-up will be required.

2.7 Operating Instructions and Training. Clear and concise operating instructions and descriptive literature will be provided in English, if requested. On-site detailed training in the safe and efficient use and general maintenance of item(s) purchased shall be provided as needed at the request of Jefferson County. Instructions and training shall be at no additional cost to the County.

2.8 Storage. Bidder agrees to provide storage of custom ordered materials, if requested, for up to thirty (30) calendar days.

2.9 Compliance with Federal, State, County, and Local Laws. Bids must comply with all federal, state, county and local laws, including, but not limited to, all applicable standard safety, emission, and noise control requirements. Any vehicles or equipment shall contain all standard safety, emission, and noise control requirements required for the types and sizes of equipment at the time of their manufacture. The contractor agrees, during the performance of work or service, to comply with all applicable codes and ordinances of Jefferson County or the State of Texas as they may apply, as these laws may now read, or as they may hereafter be changed or amended.

2.10 OSHA. The bidder will certify all equipment complies with all regulations and conditions stipulated under the Williams-Steiger Occupational Safety and Health Act of 1971, as amended. The successful bidder will further certify that all items furnished under this project will conform and comply with federal and State of Texas OSHA standards. The successful bidder will agree to indemnify and hold harmless Jefferson County for any and all damages that may be assessed against the County.

2.11 Patents and Copyrights. The successful vendor agrees to protect the County from claims involving infringements of patents and/or copyrights.

2.12 Samples, Demonstrations and Testing. At Jefferson County's request and direction, bidder shall provide product samples and/or testing of items bid to ensure compliance with specifications. Samples, demonstrations and/or testing may be requested at any point prior to or following bid award. Samples, demonstrations and/or testing may be requested upon delivery and/or any point during the term of resulting contract. All samples (including return thereof), demonstrations, and/or testing shall be at the expense of the bidder/vendor.

2.13 Acceptability. All articles enumerated in the bid shall be subject to inspection by an officer designated for that purpose by Jefferson County. If found inferior to the quality called for, or not equal in value to the specifications, deficient in workmanship or otherwise, this fact shall be certified to the Purchasing Agent, who shall have the right to reject the whole or any part of the same. Items and/or work determined to be contrary to specifications must be replaced at the vendor's expense. Inferior items not retrieved by the vendor within thirty (30) calendar days, or an otherwise agreed upon time, shall become the property of the County. If disposal of such items warrants an expense, an amount equal to the disposal expense will be deducted from amounts payable to the vendor.

2.14 Maintenance. Maintenance required for equipment bid should be available in Jefferson County by a manufacturer authorized maintenance facility. Cost for this service shall be shown on the bid sheet as requested or on a separate sheet, as required. If Jefferson County opts to include maintenance, it shall be so stated in the purchase order and said cost will be included. Service will commence only upon expiration of applicable warranties and should be priced accordingly.

2.15 Material Safety Data Sheets. Under the "Hazardous Communications Act," common known as the "Texas Right to Know Act," a bidder must provide the user department, with each delivery, material safety data sheets which are applicable to hazardous substances defined in the Act. Failure of the bidder to furnish this documentation, will be cause to reject any bid applying thereto.

2.16 Evaluation. Evaluation shall be used as a determinant as to which services are the most efficient and/or most economical for the County. It shall be based on all factors having a bearing on price and performance of the items in the user environment. All bids are subject to tabulation by the Jefferson County Purchasing Department and recommendation to Jefferson County Commissioners' Court. Compliance with all bid requirements and needs of the using department are considered in evaluating bids. Pricing is not the only criteria for making a recommendation. The Jefferson County Purchasing Department reserves the right to contact any bidder, at any time, to clarify, verify or requirement information with regard to this bid.

3. Purchase Orders and Payment

3.1 Purchase Orders. A purchase order(s) shall be generated by the Jefferson County Purchasing Agent to the successful vendor. The purchase order number must appear on all itemized invoices and packing slips. The County will not be held responsible for any work orders placed and/or performed without a valid current purchase order number. Payment will be made for all services rendered and accepted by the contract administrator for which a valid invoice has been received.

3.2 Invoices. All invoices shall reference the Purchase Order number. Invoices shall reference the bid item number or a detailed description for each item invoiced. If an item purchased and itemized on the invoice does not correspond to an item in any of the categories awarded to the vendor, invoice shall reference the item as "N/C" to indicate that it is a non-contract item. This requirement is to assist the County in verifying contract pricing on all invoices. Payment will be made under terms of net thirty (30) days unless otherwise agreed upon by seller and the purchasing department.

3.3 Prompt Payment. In accordance with the State of Texas Prompt Payment Act, Article 601f V.T.C.S., payment will be made after receive and acceptance by the County of the merchandise ordered and of a valid invoice. Successful bidder(s) is required to pay subcontractors within ten (10) days after the successful bidder receives payment from the County.

3.4 Funding. Jefferson County is operated and funded on an October 1 to September 30 basis; accordingly, the County reserves the right to terminate, without liability to the County, any contract for which funding is not available.

4. Contract

4.1 Contract Definition. The General Conditions of Bidding and Terms of Contract, Specifications, Plans, Bidding Forms, Addenda, and any other documents made a part of this bid shall constitute the complete bid. This bid, when duly accepted by Jefferson County, shall constitute a contract equally binding between the successful bidder and Jefferson County.

4.2 Change Order. No different or additional terms will become part of this contract with the exception of a change order. No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders to the contract will be made in writing and at the discretion and approval of Jefferson County. No change order will be binding unless signed by an authorized representative of the County and the vendor.

4.3 Price Re-determination. A price re-determination may be requested at the time of annual renewal. All requests for price re-determination shall be in written form. Cause for such request, i.e., manufacturer's direct cost, postage rates, Railroad Commission rates, Federal/State minimum wage law, Federal/State unemployment taxes, F.I.C.A, Insurance Coverage Rates, etc., shall be substantiated in writing by the source of the cost increase. The bidder's past experience of honoring contracts at the bid price will be an important consideration in the evaluation of the lowest and best bid. Jefferson County reserves the right to accept or reject any/all requests for price re-determination as it deems to be in the best interest of the County.

4.4 Termination. Jefferson County reserves the right to terminate the contract for default if the bidder breached any of the terms therein, including warranties of bidder or if the bidder becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies which Jefferson County may have in law or equity. Default may be construed as, but not limited to, failure

to deliver the proper goods and/or service within the proper amount of time, and/or to properly perform any and all services required to Jefferson County's satisfaction and/or to meet all other obligations and requirements. Contracts may be terminated without cause upon thirty (30) days' written notice to either party unless otherwise specified. Jefferson County reserves the right to award canceled contract to the next lowest bidder. Bidder, in submitting this bid, agrees that Jefferson County shall not be liable to prosecution for damages in the event that the County declares the bidder in default.

4.5 Conflict of Interest. Employees of the County are not permitted to maintain financial interest in, or receive payment, directly or indirectly, borrow from, lend to, invest in, or engage in any substantial financial transaction with any individual, organization, supplier, or subcontractor who does business with the County without disclosure. When conflict of interest is discovered, it shall be grounds for termination of contract.

4.6 Injuries or Damages Resulting from Negligence. Successful vendor shall defend, indemnify and save harmless Jefferson County and all its officers, agents and employees from all suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the successful vendor, or of any agent, employee, subcontractor or supplier in the execution of, or performance under, any contract which may result from bid award. Successful vendor shall pay any judgment with cost which may be obtained against Jefferson County growing out of such injury or damages.

4.7 Interest by Public Officials. No public official shall have interest in this contract, in accordance with Texas Local Government Code.

4.8 Warranty. The successful vendor shall warrant that all materials utilized in the performance of this contract shall conform to the proposed specifications and/or all warranties as stated in the Uniform Commercial Code and be free from all defects in material, workmanship and title.

4.9 Uniform Commercial Code. The successful vendor and Jefferson County agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.

4.10 Venue. This agreement will be governed and construed according to the laws of the State of Texas. This agreement is performable in the County of Jefferson, Texas.

4.11 Sale, Assignment, or Transfer of Contract. The successful vendor shall not sell, assign, transfer or convey this contract, in whole or in part, without the prior written consent of Jefferson County.

4.12 Silence of Specifications. The apparent silence of these specifications as to any detailed description concerning any point, shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

5. Federal Emergency Management Agency (FEMA) Mandated Contract Clauses

If applicable to the work and services being performed by CONTRACTOR under the parties' AGREEMENT, the following provisions are adopted and form part of this AGREEMENT:

(A) DAMAGES, 2 CFR §200.326 Appendix II to Part 200 (A)

(1) All work to be performed under this AGREEMENT shall be timely commenced. A breach of this AGREEMENT by Contractor would cause substantial delay in the completion of the required services affecting the safety and welfare of the public.

(2) In the event of Contractor's breach of its performance obligations, County shall have all rights and remedies against Contractor as provided by law.

(B) TERMINATION RIGHTS, 2 CFR §200.326 Appendix II to Part 200 (B)

Termination for Convenience: Whenever the interests of the County so require, County may terminate the parties' Agreement, in whole or in part, for the convenience of the County. County shall give Contractor thirty (30) days prior written notice of termination specifying the portions of the Agreement to be terminated and when such termination will become effective. If only portions of the parties' agreement are terminated, Contractor has the right to withdraw from the parties' Agreement, without adverse action or claims. In the event of a termination for convenience by County, Contractor shall be entitled to payment for all work and services performed by it up to the effective date of such termination.

Termination for Cause: The County may, by written notice of default to Contractor, terminate the parties' Agreement, in whole or in part, if the Contractor fails to satisfactorily perform any provisions of the parties' agreement after a period of ten (10) following Contractor's receipt of a Notice of Deficiency provided by County.

(C) EQUAL EMPLOYMENT OPPORTUNITY CLAUSE (2 CFR §200.326 Appendix II to Part 200 (C))

If applicable to the work and services performed by CONTRACTOR under the AGREEMENT, during the performance of the AGREEMENT, CONTRACTOR shall comply with the Equal Employment Opportunity Clause (41 CFR 60-1.4(b)):

(1) CONTRACTOR will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. CONTRACTOR will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. AGREEMENTOR agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) CONTRACTOR will, in all solicitations or advertisements for employees placed by or on behalf of the CONTRACTOR, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.

(3) CONTRACTOR will send to each labor union or representative of workers with which it has a collective bargaining agreement or other agreement or understanding, a notice to be provided advising the said labor union or workers' representatives of the CONTRACTOR'S commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) CONTRACTOR will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(5) CONTRACTOR will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor for purpose of investigation to ascertain compliance with such rules, regulations, and orders.

(6) In the event of the CONTRACTOR'S noncompliance with the nondiscrimination clauses of this AGREEMENT or with any of the said rules, regulations or orders, this AGREEMENT may be canceled, terminated, or suspended in whole or in part and the CONTRACTOR may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(7) CONTRACTOR will include the portion of the sentence immediately preceding paragraph (1) and the provisions of subparagraphs 1 through 7 in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or contractor. CONTRACTOR will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance; provided, however, that in the event CONTRACTOR becomes involved in, or is threatened with, litigation with a subcontractor or contractor as a result of such direction by the administering agency the CONTRACTOR may request the United States to enter into such litigation to protect the interest of the United States.

D. DAVIS-BACON ACT AND COPELAND "ANTI-KICKBACK" ACT, 2 CFR §200.326 Appen. II to Part 200 (D)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT:

(1) Bacon-Davis Act: Applicable to construction or repair of public buildings or public works. see FEMA Public Assistance Program and Policy Guide, Ch.2(V)(G)(2), page 32 (FP 104-009-2/January 2016);

(2) Copeland "Anti-Kickback" Act: In contracts subject to the Davis-Bacon Act, CONTRACTOR shall comply with the Copeland "Anti-Kickback" Act (40 U.S.C. §3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that the contractor and subcontractor must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The GOVERNMENT must report all suspected or reported violations to the appropriate Federal agency.

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT:

(a) CONTRACTOR shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this AGREEMENT.

(b) CONTRACTOR or subcontractor shall insert in any subcontract the clause above and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The CONTRACTOR shall be responsible for the compliance by any subcontractor or lower tier subcontract with all of these contract clauses.

(c) A breach of the AGREEMENT clause above may be grounds for termination of the AGREEMENT, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. §5.12.

E. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, 2 CFR §200.326 Appendix II to Part 200 (E) (40 U.S.C. 3701-3708)

Contracts in excess of \$100,000 that involve the employment of mechanics or laborers shall comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor and its subcontractors shall compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation: liability for unpaid wages: liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

(3) Withholding for unpaid wages and liquidated damages. The GOVERNMENT shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) The contractor and subcontractor shall insert in any subcontract the clauses set forth in paragraphs (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts.

F. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT, 2 CFR §200.326 Appendix II to Part 200 (F)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT and if the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the GOVERNMENT wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the GOVERNMENT must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business."

G. CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT, 2 CFR §200.326 Appendix II to Part 200 (G)

CONTRACTOR shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

CONTRACTOR shall include the foregoing requirements in each subcontract exceeding \$100,000.

H. ENERGY EFFICIENCY AND CONSERVATION, 2 CFR §200.326 Appendix II to Part 200 (H)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT, CONTRACTOR shall comply with the mandatory standards and policies of the state regulation promulgated in accordance with the Energy Policy and Conservation Act (42 U.S.C. § 6201).

I. DEBARMENT AND SUSPENSION, 2 CFR §200.326 Appendix II to Part 200 (I)

(1) This AGREEMENT is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the CONTRACTOR is required to verify that none of the contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

(2) The CONTRACTOR must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

(3) This certification is a material representation of fact relied upon by GOVERNMENT. If it is later determined that the CONTRACTOR did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to GOVERNMENT, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

(4) The CONTRACTOR agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C AGREEMENT is valid and throughout the period of performance. The CONTRACTOR further agrees to include a provision requiring such compliance in its lower tier covered transactions.

J. BYRD ANTI-LOBBYING AMENDMENT, 2 CFR §200.326 Appendix II to Part 200 (J)

CONTRACTOR must file with the GOVERNMENT the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award. If not provided with the bid response, CONTRACTOR must complete and submit the Certification Regarding Lobbying Form.

K. PROCUREMENT OF RECOVERED MATERIALS, 2 CFR §200.326 Appendix II to Part 200 (K) and 2 CFR §200.322)

(1) In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired-

- (a) Competitively within a timeframe providing for compliance with the contract performance schedule;
- (b) Meeting contract performance requirements; or
- (c) At a reasonable price.

(2) Information about this requirement is available at EPA's Comprehensive Procurement Guidelines web site, <http://www.epa.gov/cpg/>. The list of EPA-designate items is available at <http://www.epa.gov/cpg/products/htm>.

L. AGREEMENTING WITH SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS (2 CFR §200.321)

Should the CONTRACTOR subcontract any of the work under this AGREEMENT, CONTRACTOR shall take the following affirmative steps: place qualified small and minority businesses and women's business enterprises on solicitation lists; assure that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources; divide total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises; establish delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and use the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

M. ACCESS TO RECORDS

(1) CONTRACTOR agrees to provide GOVERNMENT, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives' access to any books, documents, papers, and records of the Contractor which are directly pertinent to this AGREEMENT for the purposes of making audits, examinations, excerpts, and transcriptions.

(2) CONTRACTOR agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

(3) CONTRACTOR agrees to provide the FEMA Administrator or his authorized representatives' access to construction or other work sites pertaining to the work being completed under the contract.

N. SEAL, LOGO AND FLAGS

CONTRACTOR shall not use the U.S. Department of Homeland Security's seal(s), logos, crests, or reproductions of flags or likenesses of the U.S. Department of Homeland Security's agency officials without specific FEMA preapproval.

O. COMPLIANCE WITH FEDERAL LAW, REGULATIONS AND EXECUTIVE ORDERS

This is an acknowledgement that FEMA financial assistance will be used to fund the AGREEMENT only. CONTRACTOR will comply with all federal law, regulations, executive orders, FEMA policies, procedures, and directives.

P. NO OBLIGATION BY FEDERAL GOVERNMENT

The Federal Government is not a party to this AGREEMENT and is not subject to any obligations or liabilities to GOVERNMENT, CONTRACTOR, or any other party pertaining to any matter resulting from the contract.

Q. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS

CONTRACTOR acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the CONTRACTOR'S actions pertaining to this contract.

Special Requirements/Instructions

The following requirements and instructions supersede General Requirements where applicable.

1. Bid Requirement

Each bidder shall ensure that required parts of the bid are completed with accuracy and submitted as per the requirements within this specifications packet, including any addenda.

Bidder is responsible for submitting one (1) original bid copy to include a completed copy of this specifications packet in its entirety; and three (3) numbered bid copies to include at a minimum all pages requiring completion and/or marked with instructions to be returned with bid submission and any other documentation requested within these specifications.

All bids shall be tightly sealed in an opaque envelope or box and plainly marked "SEALED BID." The outside of the envelope or box shall also include: Bid Number, Bid Name, Bid Due Date, Bidder's Name and Address; and shall be addressed to the Purchasing Agent.

Jefferson County shall not be responsible for any effort or cost expended in the preparation of a response to this IFB. All protests should be coordinated through the Purchasing Office prior to award recommendation to Commissioners' Court.

2. Vendor Registration: SAM (System for Award Management).

Vendors doing business with Jefferson County are **required** to be registered with The System for Award Management (SAM), with an "active" status. The System for Award Management (SAM) is the Official U.S. Government system that consolidated the capabilities of CCR/FedReg, ORCA, and EPLS. There is NO fee to register for this site. Entities may register at no cost directly from the SAM website at: <https://www.sam.gov>

Bidders are strongly encouraged to review their firm's SAM (System for Award Management) status prior to Bid Submission.

3. Awarded Vendor(s): Submission of FORM 1295 (Texas Ethics Commission)

In accordance with House Bill 1295 (passed January 1, 2016), Vendors entering into contracts and professional agreements with Jefferson County will be required to complete a Certificate of Interested Parties (FORM 1295).

In 2017, the Texas legislature amended the law to require Form 1295 to include an "unsworn declaration" which includes, among other things, the date of birth and address of the authorized representative signing the form. The unsworn declaration, including the date of birth and address of the signatory, replaces the notary requirement that applied to contracts entered into before January 1, 2018. The TEC filing application does not capture the date of birth or street address of the signatory and it will not appear on forms that are filed using the TEC filing application.

Upon entering into a contract or professional agreement, the Jefferson County Purchasing Department will submit a request to the Vendor to both:

1. Submit a FORM 1295 online via the Texas Ethics Commission website link below.

Vendors must enter the required information on Form 1295, and print a copy of the completed form. The form will include a certification of filing that will contain a unique certification number.

2. Submit a FORM 1295 hard copy (completed & signed by an Authorized Agent of the Awarded Vendor), to the Jefferson County Purchasing Department.

FORM 1295, Completion Instructions, and Login Instructions are available via the Texas Ethics Commission Website at: https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

4. Multiple Vendor Award

Jefferson County reserves the right to award this contract to more than one vendor at the County's discretion.

5. Delivery

If delivery is required, all items must be packaged so as to be protected from damage during shipping and handling. Any item(s) damaged in shipping must be replaced in kind, or repaired, by the contractor, at the discretion of, and at no additional charge to, Jefferson County.

6. Payment

Jefferson County will pay original invoices that clearly itemize the goods and/or services provided as to quantity, part number, description, price, applicable discount (if any), labor charges showing time differential, if applicable and if previously agreed to, and delivery, installation, and set-up costs, if applicable and if previously agreed to. Only charges as stated on the Bid Form(s) submitted as a part of the bid will be considered.

Invoices must indicate Jefferson County as applicable, the address to which the product(s) and/or service(s) were delivered, and the applicable purchase order number. Invoices will be matched to delivery tickets prior to payment; therefore, all delivery tickets should have an accurate description of the product(s) and/or service(s).

Invoices shall be submitted to: Jefferson County Auditing Department, Attention: Accounts Payable, 1149 Pearl Street, 7th floor, Beaumont, TX 77701.

7. Usage Reports

Jefferson County reserves the right to request, and receive at no additional cost, up to two (2) times during the contract period, a usage report detailing the products and/or services furnished to date under a contract resulting from this IFB. The reports must be furnished no later than five (5) working days after written request and itemize all purchases to date by Jefferson County department, description of each item purchased, including manufacturer, quantity of each item purchased, per unit and extended price of each item purchased, and total amount and price of all items purchased.

8. Insurance

The contractor (including any and all subcontractors as defined in Section 9.1.3 below) shall, at all times during the term of this contract, maintain insurance coverages with not less than the type and requirements shown below. Such insurance is to be provided at the sole cost of the contractor. These requirements do not establish limits of the contractor's liability.

All policies of insurance shall waive all rights of subrogation against the County, its officers, employees and agents; a copy of the policy wording or endorsement is required.

Contractor shall furnish Jefferson County with Certificate of Insurance and applicable endorsements.

All insurance must be written by an insurer licensed to conduct business in the State of Texas.

Minimum Insurance Requirements

General Liability, including Products	\$1,000,000
Business Auto Liability	\$1,000,000
Cargo / Transit Coverage	Replacement Cost Value of Equipment Purchased
Excess Liability	\$1,000,000
Workers' Compensation	Statutory Coverage

9. Workers' Compensation Insurance

9.1 Definitions:

9.1.1 **Certificate of coverage ("Certificate")** – A copy of a certificate of insurance, a certificate of authority to self-insure issued by the commission, or a coverage agreement, DWC-81, DWC-82, DWC-83, or DWC-84 showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the duration of the project.

9.1.2 **Duration of the project** – Includes the time from the beginning of the work on the project until the contractor's/person's work on the project has been completed and accepted by the governmental entity.

9.1.3 **Persons providing services on the project ("subcontractor") in article 406.096** – Includes all persons or entities performing all or part of the services under the contractor has undertaken to perform on the project, regardless of whether that person contracted directly with the contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractor, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services on the project. "Services" includes, without limitation, providing, hauling or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the project, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

9.2 The Contractor shall provide coverage, based on proper reporting of classification code and payroll amounts and filing any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all employees of the contractor providing services on the project, for the duration of the project.

9.3 The Contractor must provide a certificate of coverage to the governmental entity prior to being awarded the contract – refer to Section 8 above.

9.4 If the coverage period shown on the Contractor's current certificate of coverage ends during the duration of the project, the Contractor must, prior to the end of the coverage period, file a new certificate of coverage with the governmental entity showing that coverage has been extended.

9.5 The Contractor shall obtain from each person providing services on a project, and provide to the governmental entity:

9.5.1 A certificate of coverage, prior to that person beginning work on the project, so the governmental entity will have on file certificates of coverage showing coverage for all persons providing services on the project; and

9.5.2 No later than seven (7) days after receipt by the Contractor, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate ends during the duration of the project.

9.6 The Contractor shall retain all required certificates of coverage for the duration of the project and for one (1) year thereafter.

9.7 The Contractor shall notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the contractor knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project.

9.8 The Contractor shall post on each project site a notice, in the text, form and manner prescribed by the Texas Department of Workers' Compensation, informing all persons providing services on the project that they are required to be covered, and stating how a person may verify coverage and report lack of coverage.

- 9.9 The Contractor shall contractually require each person with whom it contracts to provide services on a project to:
- 9.9.1 Provide coverage, based on reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all its employees providing services on the project, for the duration of the project.
 - 9.9.2 Provide to the Contractor, prior to that person beginning work on the project a certificate of coverage showing that coverage is being provided for all employees of the person providing services on the project, for the duration of the project.
 - 9.9.3 Provide the Contractor, prior to the end of coverage period, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project.
 - 9.9.4 Obtain from each person with whom it contracts, and provide to the Contractor:
 - 9.9.4.1 A certificate of coverage, prior to the other person beginning work on the project; and
 - 9.9.4.2 the coverage period, if the coverage period shown on the current certificate of a new certificate of coverage showing extension of coverage, prior to the end of coverage ends during the duration of the project.
 - 9.9.5 Retain all required certificates of coverage on file for the duration of the project and for one (1) year thereafter.
 - 9.9.6 Notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the person knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project; and
 - 9.9.7 Contractually require each person with whom it contracts to perform as required by paragraphs 9.1. – 9.7., with the certificates of coverage to be provided to the person for whom they are providing services.
- 9.10 By signing this contract or providing or causing to be provided a certificate of coverage, the Contractor is representing to the governmental entity that all employees of the contractor who will provide services of the project will be covered by workers' compensation coverage for the duration of the project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.
- 9.11 The Contractor's failure to comply with any of these provisions is a breach of contract by the Contractor which entitles the governmental entity to declare the contract void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the governmental entity.

Minimum Specifications

The following requirements and specifications supersede General Requirements where applicable. Any questions relating to these requirements should be directed to Jamey West, Assistant Purchasing Agent, at 409-835-8593 or jwest@co.jefferson.tx.us. Bidders may submit technical questions to: Jason Castille, with Jefferson County Precinct No. 3 at pct3sc@co.jefferson.tx.us. Please reference bid number IFB 18-013/JW.

Please be sure to review these bid specifications *carefully*, as the item that you are offering must **MEET OR EXCEED** these specifications.

Scope

Jefferson County is soliciting bids for heavy equipment to replace equipment that was damaged and rendered unrepairable due to Hurricane Harvey. **All bids should be for brand new, completely unused equipment.**

The specifications shown in this bid packet are intended to define the level of quality, performance, and features ONLY. Products offered shall be of equivalent dimensions, quality, performance and features or better (the brand name product listed is not required).

Instructions to Bidders (Re: Brand Reference / Equivalent Item Bids)

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders Submitting Bids for Alternate/Equivalent Items:

► Bidders may submit bids on alternate/equivalent items, but **MUST** attach TWO (2) COPIES of the MANUFACTURER SPECIFICATIONS (to include full warranty terms) for any alternate at the time of the bid.

► Bidders offering alternate/equivalent items **MUST ALSO** submit an ITEMIZED COMPARISON documenting equivalence for dimensions, quality, performance, and features of the products offered.

Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders Submitting Bids for Exact Make/Model as specified:

► Bidders offering the exact make/model as specified, **MUST** attach TWO (2) COPIES of the MANUFACTURER SPECIFICATIONS (to include full warranty terms).

Bid Item 1: Motor Grader

One (1) Mustang CAT Model: 120M2 Motor Grader or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey. This piece of equipment is to be in new, unused condition.

For full technical specifications for this bid item, see APPENDIX A.

Warranty Term for this equipment (included, without additional cost) should be at least: Five (5) calendar years from the date of delivery of equipment. The first year of warranty should cover the powertrain and hydraulics for an unlimited amount of hours; with warranty years 2-5 to cover 3,000 hours for powertrain and hydraulics.

Trade-In: Jefferson County will be trading in a used and **flood-damaged** 1998 Champion Motor Grader Model 710 A towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 1: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 22-36).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 37).

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Machine designed and built by the manufacturer
- ☒ Base Machine Weight shall not be less than 37,214 lbs. Weight shall include: standard machine configuration, lubricants, coolants, full fuel tank and operator of 200 lbs.
- ☒ Machine height to top of the cab shall not exceed 131 in.
- ☒ Machine length from the front outside edge tire to end of tow hitch shall not be less than 344 in.
- ☒ Machine length from counterweight to ripper not exceed 394 in.
- N/A Machine Wheel Base (distance from front axle to mid tandem) shall not be less than 233 in.
- ☒ Rear frame includes two box section channels with an integrated bumper as standard.
- ☒ Toolbox
- ☒ Window protectors
- ☒ Cruise control
- ☒ Drain, ecology, engine Wiggins
- ☒ Cat Product Link 321SR

BASIC SPECIFICATIONS – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Vandal protection standard including locks for cab doors, engine side shields, (4) top tank radiator access door, engine coolant surge tank, hydraulic reservoir cap, fuel tank cap and toolbox.
- ☒ Rear hitch.

ENGINE

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Engine designed and built by the manufacturer.
- ☒ Engine is turbo-charged, direct injection, four stroke, 6-cylinder diesel engine.
- ☒ 209 horsepower
- N/A Engine is certified EPA Tier 4 Final.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ENGINE (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Engine electronically controlled for more efficient fuel injection and fuel burn.
- ☒ Engine able to achieve rated power requirement with engine displacement not less than 7.1L (428 in.³) for better fuel economy.
- ☒ Engine capable of increasing its low idle to 1,000 rpm when the battery voltage is below 24.5 volts for more than 5 minutes to ensure adequate system voltage and battery reliability.
- ☒ Altitude deration will not occur at altitudes less than 10,000 ft. The deration rate above 10,000 ft. shall be 1.5% per 1,000 ft.
- ☒ Rated engine power shall not be achieved at an engine speed greater than 2,100 rpm.
- ☒ Engine will have a minimum torque rise of 56% from 2,100 rpm to peak torque following SAE J1349 (net power with max fan).
- ☒ Engine enclosure and daily service points accessible from ground level and grouped on the left side of the machine.
- ☒ Engine fan automatically adjusts fan speed via a variable hydraulic fan pump to meet engine cooling requirements thus reducing demand on the engine, putting more horsepower to the ground, reducing noise, improving fuel economy, and reducing heat.
- ☒ Engine allows for at least 500 hours of operation between oil changes.
- ☒ Engine is isolation/resilient mounted to minimize sound and vibration.
- ☒ Engine compartment doors are lockable without the use of external locks.
- ☒ Engine automatically lowers engine torque and alerts the operator if critical conditions are detected.
- ☒ Engine has air-to-air after cooler for superior engine performance.
- ☒ Engine oil cooler is a water to oil shell and tube cooler system.
- ☒ Machine has a 12,000 hour coolant interval from factory.
- ☒ The cooling package air intake has 2.8 mm perforated inlet screen.
- ☒ The charged air cooler (ATAAC) has 9 fins per inch.
- ☒ Heater, engine coolant: 120 V
- ☒ Heater, engine coolant: 240 V

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ENGINE-OPTIONAL ATTACHMENTS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- N/A A jacket water heater to assist in cold weather starting.
- N/A An engine coolant heater to assist in cold weather starting.
- N/A Ether starting aid included to automatically meter ether injection to prevent engine damage.

POWERTRAIN/TRANSMISSION

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- N/A Transmission built by the machine manufacturer.
- ✓ Transmission is direct drive, power shift, countershaft type.
- ✓ Transmission is equipped with built-in self-diagnostic capability.
- ✓ Transmission shall have no less than 8 forward speeds and 6 reverse speeds (for added safety).
- ✓ Transmission has 5 working gears between 0-10.4 mph, for dirt applications.
- ✓ Transmission is isolated/resilient mounted to reduce sound and vibration.
- ✓ Transmission: auto shift.
- ✓ Powertrain: fuel tank, fast fill.
- ✓ Powertrain: Oil, hydraulic, biodegradable synthetic.
- ✓ Starter: heavy duty, 1,000 Amp
- ✓ A controlled throttle shifting system to smooth directional gear changes without use of inching pedal
- ✓ Electronic Throttle Control (cruise control), controlled by a push button, located on a 3-axis joystick as standard on the right joystick control for resuming and decreasing throttle set.
- ✓ Electronic Throttle Control modes, set and accelerate functions, located on the right control column for easy access.
- ✓ A load compensating system for transmission to ensure consistent shift quality in all applications.
- ✓ Automatic Differential Lock/Unlock feature included and shall not have speed, shuttle shifting or tandem spinning restrictions for engaging/disengaging. System is load-sensing for optimal performance.
- ✓ Automatic mode that shall not be overridden via manual intervention for optimal performance and to prevent unintended differential engagement.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

POWERTRAIN/TRANSMISSION (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Differential Lock/Unlock that is electro-hydraulically controlled, as a standard feature.
- ☒ Differential Lock/Unlock that is multi-disc design.
- ☒ Final drive with planetary design.
- ☒ The rear axle with a bolt-on modular design offering easy access to differential components, improving serviceability and contamination control.
- ☒ The total surface area of all the transmission clutch packs not be less than 1,495 in.².
- ☒ Diameter at the output end of the transmission shaft no less than 2.29 in..
- ☒ Electronic inching pedal for improved modulation and machine control.
- ☒ Electronic over-speed protection to prevent the engine and transmission from over speeding, as a standard feature.
- ☒ Machine shall have no drive shafts that cross over the articulation hitch.

POWERTRAIN/TRANSMISSION - OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ An auto-shift transmission option available on all forward and reverse gears.

STEERING & IMPLEMENT CONTROLS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ N/A Steering wheel shall not be required to operate machine.
- ☒ N/A Joystick steering capabilities shall be ISO 5010.
- ☒ N/A Machine shall employ a friction pack style steering mechanism, utilizing the follow steer concept.
- ☒ N/A The left 3-axis joystick that controls wheel lean with individual left and right wheel lean buttons as standard.
- ☒ N/A Primary steering capable of being achieved via a left hand, multifunction, 3-axis, joystick as standard, using an intuitive steering control system that automatically adjusts steering sensitivity as machine ground speed increases.
- ☒ N/A Articulation to the right or left shall be achieved by multifunction, 3-axis left joystick with the twist of such to the right or left by the left-hand, multifunction, 3-axis joystick.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STEERING & IMPLEMENT CONTROLS (Continued)

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

☒

An articulation return-to-center button on the left multifunction, 3-axis, joystick, shall return the machine to a straight frame position from any articulation angle with the touch of a single button.

☒

The right 3-axis joystick shall primarily control the Drawbar, Circle, and Moldboard.

☒

Machine, Drawbar, Circle, and Moldboard control shall be achieved via right-hand multifunction, 3-axis, joystick, including moldboard slide and tip, drawbar center shift through a 4-way hat switch and circle turn by a left or right twist intuitively.

☒

Blade lift cylinders individually controlled by the multifunction, 3-axis joysticks; Lift and drop of cylinders shall be achieved forward and back motion of the respective joystick. Forward (left joystick) lowers the left cylinder, back (left joystick) raises the left lift cylinder, forward (right joystick) lowers the right lift cylinder, back (right joystick) raises the right lift cylinder.

☒

Joystick controls mounted to adjustable pedestals, hard mounted to the cab floor, independent of the operator seat.

☒

Secondary steering with primary and secondary power supply in the event the primary source is lost.

☒

Transmission direction control with a 3-position rocker switch for selecting forward, neutral, and reverse incorporated into a single, 3-axis, multi-function, left-hand joystick control.

☒

Manual Differential Lock/Unlock that is operator controlled, via a push-button, located on a single, 3-axis, multi-function, right-hand joystick control.

☒

Two redundant articulation sensors.

☒

Two redundant sensors shall be standard in the steering cylinders (one in each).

☒

Three redundant sensors shall be provided in the steering joystick for additional safety.

BRAKES

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

☒

Primary and secondary service brakes.

☒

Entire braking system shall meet all requirements of ISO 3450: 1996.

☒

Two separate left and right hydraulic brake accumulators shall be standard for safety.

☒

Parking brake shall be multi-disc, oil-cooled, spring-applied, hydraulically released, sealed, adjustment-free and integrated into the transmission. Park brake shall not be externally located.

☒

Parking brake shall be serviceable without removing the transmission.

☒

Service brakes shall be multi-disc, oil-cooled and completely sealed; they will also provide access to check and determine brake wear without removing or disassembling the brake assembly.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

BRAKES (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Service brake disc surfaces shall be grooved and carry oil between discs and plates with brakes fully applied.
- ☒ Service brakes shall be hydraulically actuated, utilizing dual independent brake circuits.
- ☒ Brakes shall be continuously pressurized, filtered, oil cooled.
- ☒ Individual brake pods for each rear wheel, located at each rear wheel inside the tandem box, independent of tandem chains.
- ☒ Compensation components at all four tandem brake pods in addition to the brake wear indicator.
- ☒ Brake line protection, including tandem walkways and hydraulic brake line guarding, shall be required to prevent line damage.
- ☐ Service brakes shall provide a minimum of 3,565 in.² of total friction material surface area used at each of the four tandem wheels to eliminate braking loads on the power train.

HYDRAULIC SYSTEM

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Triple redundant hydraulic relief system shall protect machine hydraulic components.
- ☒ Hydraulic implement pump shall produce between 0 and 55.5 gal/min (210L/min) of oil flow at high idle.
- ☒ Hydraulic system shall be a closed center, load sensing type, with a variable displacement, axial piston-type pump.
- ☒ Hydraulic system shall be fully sealed, using Duo-cone and O-ring face seals to prevent leaks, contamination, and spillage.
- ☒ Hydraulic tank shall have a baffling system to reduce potential pump cavitations.
- ☒ Maximum hydraulic system pressure shall be no more than 3,500 psi.
- ☒ Implement valves shall be electro-hydraulic, designed and built by the machine manufacturer.
- ☒ Implement pump shall not be mounted under cab floor, minimizing sound and vibration.
- ☒ Hydraulic arrangements with one or more additional hydraulic valves for rear ripper, dozer.
- ☒ Implement valves shall be proportional priority pressure compensating for consistent response, when multi-functioning any combination of implement controls and independent of engine speed.
- ☒ Implement pump solely dedicated to implement controls and not shared with any other components.
- ☒ Lock valves integrated into the main implement valve to prevent cylinder drift.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

HYDRAULIC SYSTEM (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ The hydraulic stand-by pressure shall be no more than 609 psi.
- ☒ Provision to install up to fifteen modulating hydraulic valves, controlled by two, three-axis, multi-functioning, joystick controls and auxiliary controls inside the cab.
- ☒ Hydraulic valves shall not be mounted under the cab floor, minimizing sound and vibration.
- ☒ Left and right blade lift cylinders shall have independent float capability, actuated by two multifunction, 3-axis joystick controls inside the cab, as a standard feature.
- ☒ Sight gauge provided for checking hydraulic reservoir fluid.
- ☒ Hydraulic oil change service interval shall be no less than 6,000 hours with oil sampling.
- ☐ Hydraulic system shall have a separate oil tank solely dedicated to the implement pump.

FRONT AXLE AND TANDEM

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Front axle oscillation shall be no less than 32 degrees total, per side 16 degrees up, 16 degrees down.
- ☒ Front axle with arched design for maximum ground clearance.
- ☒ Wheel spindle shall be a "live" spindle design and rotate inside a sealed compartment with lightweight oil for lubrication of the bearings.
- ☒ Front spindle that is heat induction hardened.
- ☒ Front wheel spindle bearings shall be a double-tapered design with the larger diameter bearing mounted closest to the centerline of the front tire.
- ☒ Front wheel spindle maintenance intervals shall be no less than 2,000 hours.
- ☒ Front wheel steering angle no less than 47.5 degrees left or right.
- ☒ Maximum front wheel lean no less than 18 degrees left or right.
- ☒ Machine turning radius not exceed 24 ft. 3 in. using front steering, full articulation and unlocked differential.
- ☒ Distance between center of tandem wheels no less than 59.5 in..
- ☒ Tandem chain pitch not be less than 1.8 in..
- ☒ Tandems capable of oscillating 15 degrees front tandem up and 25 degrees front tandem down, with full machine articulation and having no interference between tandem wheel and machine structure.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

FRONT AXLE AND TANDEMS (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Electronic and mechanical steering stops located at each wheel and steering cylinder relief valves shall be present to prevent steering system damage during normal operation.
- ☒ Steering tie rod ends shall be heat induction hardened.
- ☒ Two steering cylinders for maximum steering force.
- ☐ When equipped with a ripper, the machine shall have a minimum ramp angle of 15 degrees.

TIRES AND RIMS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ N/A A 10 inch by 24 inch size 3-piece tire rim shall be available to provide mounting for 14.00R24 conventional tires.

TIRES AND RIMS – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ A 14 inch by 25 inch size 3-piece tire rim shall be available to provide mounting for 17.5-R25 tires.

GUARDS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Guards: Sound suppression (bottom)
- ☒ Guards: Sound suppression (enclosure)
- ☒ Guards: Transmission

OPERATORS STATION

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ An enclosed cab with ROPS (Rollover Protective Structure) according to ISO 3471 shall be provided.
- ☒ Cab door with hold-open clasp with a ground-level release and in addition to, a release in the cab.
- ☒ Cab shall be isolation-mounted to the front frame section of the machine.
- ☐ Cab shall have fixed front window of laminated glass with intermittent wiper.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

OPERATORS STATION (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ FOPS (Falling Object Protective Structure) shall be provided according to ISO 3499.
- ☒ Machine shall have no less than 17 adjustable vents, positioned to direct air to front windows and operator.
- ☒ Radio ready arrangement will include 24V to 12V converter, two speakers, antenna, and wiring.
- ☒ An instrument cluster that includes a speedometer, tachometer, coolant temperature, fuel and articulation angle gauge.
- ☒ Operator cab fresh air-filter accessible for clean out and replacement, from outside of the cab at ground level.
- ☒ A real-time information system shall monitor all system data and alert the operator of any faults through a digital text display. This information system shall be programmable for multiple languages.
- ☒ Left and right side cab doors shall be provided.
- ☒ Wipers on side and rear windows.
- ☒ Digital machine hour meter.
- ☒ Electronic message system shall provide real-time machine performance and diagnostic data.
- ☒ Mirrors, outside: heated 24 V
- ☒ Mirrors, outside: mounted
- ☒ Precleaner: HVAC
- ☒ Radio Ready, AM/FM
- ☒ Shade, sun
- ☒ Forward visibility shall be continuous and unobstructed glass from roofline to floor providing visibility of the blade, heel and toe, back of the cutting edge, and front tires.
- ☒ Access to cab shall be three anti-skid steps.
- ☒ Cab shall have cup holder, personal cooler holder/storage compartment for operator's manual, with a molded floor mat.
- ☒ Window washer fluid bottle refill spout shall be located external of the cab.
- ☒ Auxiliary control pod, with implement float control capability, shall be available.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

OPERATORS STATION – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ NA Auxiliary controls shall be available for control of attachment implements and/or work tools, and shall be programmable via computer software.
- ☒ NA Auxiliary controls shall be a fingertip control type and located beside the right-hand joystick control.
- ☒ Integrated display and wiring for a rear vision camera shall be available with capability to view at all times without interfering with the gauge and diagnostic display.
- ☒ A rear sun shade shall be available.
- ☒ A rear defroster fan shall be available.
- ☒ An air suspension seat shall be available.

CIRCLE & MOLDBOARD

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ NA Drawbar, circle, and moldboard shall be controlled with a maximum of two multifunction, 3-axis joysticks, as standard.
- ☒ Drawbar wear strips shall be replaceable drop-in inserts made from nylon composite materials, replaceable and adjustable from the top of the drawbar plate via removable cover plates.
- ☒ The drawbar shall feature welded protective war plates to prevent lift group contact with the primary drawbar structure.
- ☒ The moldboard shall be 12 ft. long, 24 in. high and no less than 7/8 in. thick.
- ☒ Moldboard shall have a bank slope angle capability of at least 90 degrees to both sides.
- ☒ Moldboard shall have no less than 16.3 in. arc radius (blade curvature) for optimum productivity.
- ☒ The moldboard retention system shall have no more than two retention points located on the left and right side of the moldboard. The surface area shall no be less than 78.13 in.².
- ☒ Moldboard shall have a hydraulic tip control through a range of 40 degrees fore and 5 degrees aft.
- ☒ Moldboard wear strips shall be adjusted with lock screws, providing shim-less adjustment capability both vertical and horizontal.
- ☒ The moldboard shall be pre-stressed during manufacturing for superior strength and durability.
- ☒ Moldboard side rails shall be constructed of heat-treated, high carbon steel and have replaceable bronze alloy wear inserts on top and bottom.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

CIRCLE & MOLDBOARD (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Circle shall be a single piece, rolled-ring forging, with raised wear surfaces on the top and bottom.
- ☒ Circle shall be rotated by a hydraulically driven motor with a minimum circle pinion torque capability of 44,253 ft.-lb.
- ☒ Circle teeth contact surfaces shall be induction-hardened on the front 240 degrees of the circle.
- ☒ Blade lift and center shift cylinders shall have replaceable bronze-alloy wear inserts in the ball sockets with removable shims to insure the ability to remove free play throughout the useful wear insert life.
- ☒ The lift cylinder casting shall be welded to the front frame for added strength and structural integrity.
- ☒ The standard mounting hardware for cutting edges and end bits shall be 3/5 inch.
- ☒ Linkbar pin shall be separate from pin pulling mechanism for easier service and lower O&O costs.
- ☒ The draft frame pivot connection shall have a single ball stud with grease zerk. Ball stud shall be bolt-on, shimable and adjustable to allow for quick and easy field serviceable design.
- ☒ Three sideshift anchor positions shall be provided for extended reach capability as standard.
- ☒ Pinion Gear shall be separate from the Pinion Shaft to allow for a quick and easy serviceable design.
- ☒ Circle outside diameter shall be no less than 60.2 in.
- ☒ Throat clearance with standard moldboard shall be at least 126 mm.
- ☒ There will be no more than 6 replaceable wear inserts between the circle and drawbar providing at least 163 in.² of wear surface area.

CIRCLE & MOLDBOARD – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Blade lift accumulators shall be provided, protecting cutting edge and other components from damage shock loads as an option.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

WORK TOOLS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Blade extension, left hand (2 ft.)
- ☒ Cutting edges, curved
- ☒ Endbits, overlay
- ☐ Front lift group, mounting
- ☒ Front lift group, mechanical
- ☐ Grader bit, narrow and super penetration
- ☒ Push plate, counterweight
- ☒ Ripper, mounting
- ☐ Ripper, rear
- ☐ Ripper tooth

ELECTRICAL

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Six 3 X 3 halogen mounted cab lights.
- ☒ 24 V to 12 V converter with 10-amp capacity.
- ☒ Starting system shall be a 24 V direct electric type.
- ☒ Incandescent white reversing lamps and LED stop lamps shall be provided.
- ☒ Electrical system shall have a master disconnect switch with a removable key (in addition to the ignition switch), accessible from the ground level.
- ☒ Core machine systems shall be electronically connected, optimizing performance and preventing machine damage.
- ☒ All wiring arranged and located so as to facilitate regular visual inspections, not to be in contact with hot surfaces and not routed with other services lines (e.g. fuel, oil, etc.)
- ☒ All harnesses/cabling secured with clipping clamps providing a gap between the conduit/harness and the mounting surface preventing material build-up.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ELECTRICAL – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ 800 CCA batteries
- ☒ 80 amp alternator
- ☒ High and low bar headlights with front turn signals.
- ☒ Amber LED high-speed strobe beacon.
- ☒ 24V to 12V converter with 25 amp capacity.
- ☒ Lights: high
- ☒ Lights: low
- ☒ Lights: Working lights, basic
- ☒ Lights: Working lights, plus
- ☒ Lights: Warning: beacon or strobe
- ☒ Lights: Mounting for warning light

SERVICEABILITY

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ High-speed oil drain system with ground level quick-connect access.
- ☒ Lockable swing-out cooling fan housing featuring a latch-style mechanism (shall not be of a bolted design), allowing easy access to cores. Ability to open/close shall be ground level accessible, eliminating need to climb on machine.
- ☒ Dip stick (at ground level) for checking transmission fluid.
- ☒ Hydraulic tank site gauge, readable from the ground.
- ☒ Hydraulic tank filter (cartridge style filter) providing a separate filter element, housing, and drain valve for quick and clean servicing.
- ☒ Ability for ground level fueling.
- ☒ Sampling ports accessible from the tandem level and providing access to the engine, hydraulic, coolant, and fuel ports.
- ☒ A two-way communication tool shall give service technicians easy access to stored diagnostic data and allow configuration of machine parameters.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

SERVICEABILITY (Continued)

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ The articulation joint shall have mechanical locking device to prevent frame articulation while servicing or transporting the machine.
- ☒ Left and right side tandem case assemblies shall be covered with punched steel plate to provide an adequate platform for standing and walking.
- ☒ Sampling ports shall be accessible from the tandem level and provide access to the engine, hydraulic coolant, and fuel ports.
- ☒ Engine primary and final fuel filters with 500 hour service replacement interval.
- ☒ Engine with primary fuel filter with fuel water separator and electronic sensor, quick release dual stage filter and primer pump.
- ☒ Centralized lube bank at the articulation joint to give access to difficult zerks.
- ☒ Transmission filter restriction indicator displayed in the cab.
- ☒ Lock-out Tag-out capabilities provided standard to increase the safety levels during down time; ensuring that an energy isolating device and the machine which are being worked cannot be operated.

SERVICEABILITY – OPTIONAL ATTACHMENTS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Guard to protect the machine's transmission from debris.
- ☒ Guard to suppress sound from the engine.

MINIMUM SERVICE FILL CAPABILITIES

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Standard fuel tank capacity of at least 90 gallons.
- ☒ Standard cooling system capacity of at least 12.9 gallons.
- ☒ Standard hydraulic tank capacity of at least 16.9 gallons.
- ☒ NA Standard engine oil capacity of at least 7.9 gallons.
- ☒ Standard tandem housing capacity of at least 15.6 gallons.
- ☒ Standard front wheel spindle bearing housing capacity of at least 0.1 gallons.
- ☒ NA Standard circle drive housing capacity of at least 1.8 gallons.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

SAFETY AND ENVIRONMENTAL

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Circle drive slip clutch to reduce horizontal moldboard impact damage.
- ☒ Black glare-reducing paint on the front frame and engine enclosure to decrease glare from other equipment lights and reflection from the sun and snow.
- ☒ Hydraulic implement lock-out, achievable by actuating a single electrical switch within the operator station.
- ☒ An external emergency kill switch for ground level engine shut down.
- ☒ Secondary, electric steering pump with redundant wiring as a back-up to the primary implement hydraulic pump.
- ☐ Laminated glass for the front windows and doors, to protect the operator from shattered glass.
- ☒ Dual exits allowing for emergency egress should one side become obstructed.
- ☒ Electrical system with master disconnect switch with a removable key and lock for added safety (in addition to ignition switch).
- ☐ Steering software system to automatically reduce steering sensitivity as the ground speed increases.
- ☒ Back-up lights and sounding alarm when reverse gears are selected.
- ☒ Environmentally friendly drain valves for the hydraulic oil, engine oil, engine coolant, transmission, differential and fuel tank.
- ☒ Cooling fan with both shroud and rear grill for protection during service.
- ☐ Machine shall allow cab interior and exterior lights to remain on separate from ignition switch, for safe exit of the machine during night operation.
- ☐ Engine and transmission shall be rubber isolation mounted to reduce noise and vibration.

SAFETY AND ENVIRONMENTAL – OPTIONAL ATTACHMENTS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Guard shall be available to protect the machine's transmission from debris.
- ☒ Rear vision camera with integrated display and wiring.

- Machine Wheel Base. Case is 245 inches
- Engine is Tier III Certified
- Engine is 6.7L
- Brake Pods: CASE no longer uses brake pods. We use Hydraulic braking
-

Bid Item 1: Motor Grader
BIDDER ALTERNATIVE FEATURES OFFERRED & EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

CASE

CONSTRUCTION



ENGINE

Model	FPT F4HE9684L, Tier 3 certified Compliant w/ EPA regulations effective January 2011 Electronic control
Type	4-stroke, turbocharged and air-to-air after cooled
Cylinders	6-cylinder in-line
Bore/Stroke	4.09 x 5.17 in (104 x 132 mm)
Displacement	409 in ³ (6.7 L)
Fuel	Diesel
Fuel Injection	Common Rail
Cooling	Liquid
Horsepower @ 2200 RPM – SAE J1995:	
Gross	220/234 hp (164/175 kW)
Net	205/219 hp (153/163 kW)
Maximum torque @ 1800 RPM:	
	682/726 ft-lb (924/984 N-m)

DRIVETRAIN

Rear axle	Graziano, planetary
Differential	Hydraulic lock, operator controlled
Outboard brakes	Wet disc
Number of discs/brake	6
Brake surface area	2,686 in ² (17 191 cm ²)
Tandems:	
Type	Welded plate
Oscillation	20° each way
Front axle	High strength, welded steel
Oscillation	15.3° each direction
Wheel lean	20° left/right
Tires – standard	14.0 x 24 12PR TL G2 Firestone
Rims	1-piece 9 in x 24 in (227 mm x 610 mm)

Transmission type:

Direct drive countershaft Powershift w/ electronic shift control and inching pedal	
Pump flow @ 2200 RPM	29.5 gpm (112 L/min)
Sump	Integral
Speeds	8
Shifting	Single lever, bump style automatic electronic control
Diagnostics	On-board
Speeds:	
Forward:	mph (km/h)
1st	2.7 (4.3)
2nd	3.7 (6.0)
3rd	5.2 (8.4)
4th	7.3 (11.8)
5th	10.4 (16.7)
6th	14.4 (23.1)
7th	20.2 (32.5)
8th	27.8 (44.8)
Reverse:	mph (km/h)
1st	2.5 (4.0)
2nd	5.0 (8.0)
3rd	9.8 (15.8)
4th	19.3 (31.0)

ELECTRICAL

Voltage	24 Volts, negative ground
Alternator	90 amp
Batteries	2 – Low-maintenance 1010 CCA – 100 Ah (20 hr rate)
Work lights:	
Headlights – 2;	Turn signals, front/rear;
Stop/tail – 2;	Rear mounted floods – 2;
Front mounted floods – 2.	
Backup alarm	Standard

OPERATOR ENVIRONMENT

ROPS/FOPS cab – SAE J231, ISO 3449;
Adjustable operator's console; Adjustable cloth
suspension seat w/ 3 in (76 mm) retractable
seat belt; Safety glass; Dome light; Inside
rearview mirror; Outside rearview mirrors; Cup
holder; Storage tray; 12-volt outlet; Radio ready
– 12 Volt; Electrical master switch – automatic;
Heater/defroster/pressurizer; Air conditioner;
Sound suppression; Delphi AM/FM Radio w/ CD;
Cab doors – left/right; Steps – left/right; Steering
wheel; Windshield wiper – front; Windshield
washer – front.

885B DHP

MOTOR GRADER
TIER 3 CERTIFIED

OPERATING WEIGHT

W/ 14 ft (4.27 m) moldboard, 17.5 x 25 tires, front
counterweight, 175 lb (79 kg) operator
and full fuel:

	40,466 lb (18 355 kg)
Weight, front axle	12,496 lb (5 668 kg)
Weight, rear axle	27,970 lb (12 687 kg)
Blade pressure	20,679 lb (9 380 kg)

HYDRAULICS

System design	Closed center, load sensing
Hydraulic pump	Load sensing piston pump, variable displacement, pressure and flow compensated
Rated flow @ 2200 RPM	49 gpm (187 L/min)
Control valve	9 section
Side shift and pitch	Hydraulic
Saddle	5 positions
Diagnostic quick couplers	8

SERVICE CAPACITIES

Engine	4.4 gal (17.5 L)
w/ filter change	4.7 gal (18.5 L)
Fuel	90 gal (341 L)
Transmission	5.8 gal (22 L)
w/ filter change	7.5 gal (28 L)
Radiator	10.5 gal (40 L)
Hydraulic reservoir	25 gal (94.6 L)
Hydraulic system	47.5 gal (180 L)
Circle gearbox	0.75 gal (2.8 L)
Rear axle center	10.5 gal (40 L)
Total axle	10.5 gal (40 L)
Tandem case, each	18.4 gal (69 L)

OTHER SPECIFICATIONS

Steering:	
Type	Hydrostatic power steering
Turns – lock-to-lock	4.75
Pump capacity @ 2200 engine RPM:	
	18.4 gal (69 L)
Relief pressure	2,200 psi (151 bar)
	Integral w/ priority valve
Cylinder – 2:	
	2.0 in bore x 11.85 in stroke x 1.0 in rod dia. (50.8 mm x 301.0 mm x 25.4 mm)
Supplemental steering	Integral*
Articulation:	
Type	Hydraulic actuated – w/ lock valve
Range	25° left/right
Controls	Hydraulic

NOTE: *Not applicable when equipped w/
20.5 x 25 tires

MAINFRAME

Type	All welded box
Front section:	
Size	10.0 in x 11.73 in (254 mm x 298 mm)
Weight – each side	124.7 lb-ft (172.8 kg/m)
Rear section:	
Size	4.75 in x 11.75 in (121 mm x 299 mm)
Weight – each side	76.8 lb-ft (114.2 kg/m)

DRAWBAR

Type:	"A" frame welded construction with center mounted circle turn motor
Ball and circle	Shim adjustable

MOLDBOARD

Type	High-carbon steel
Shape	Involute curve
Length	14 ft 0 in (4 267 mm)
Height	23.6 in (600 mm)
Thickness	0.875 in (22.2 mm)
End blts	2, Interchangeable
Blade pitch positions:	
Normal pitch	47°
Minimum pitch	42°
Maximum pitch	87°
Blade shift:	
Right	27.0 in (686 mm)
Left	21.0 in (533 mm)
Max. bank cutting angle:	
Right	90°
Left	90°
Max. ground penetration	28 in (711.2 mm)
Max. lift above ground	17.5 in (444.5 mm)

CIRCLE

Type	Welded construction
Diameter:	
Max. outside	69.0 in (1 752.6 mm)
Vertical member	63.0 in (1 600.2 mm)
Rotation	360°
Speed	1.2 RPM (7.2°/second)
Drive	Hydraulic motor
Type	Roller geroter
Displacement	15.26 in³/Rev. (0.25 L/Rev.)
Rated hydraulic flow	19.8 gpm (75 L/min)

ATTACHMENTS**SCARIFIER**

Type	Front mounted
Width of cut	48 in (1 168 mm)
Teeth	5
Optional	11
Tooth spacing	9.0 in (229 mm)
Optional	4.5 in (114 mm)
Lift above ground	20.75 in (527 mm)
Max. penetration	12.5 in (318 mm)
Weight	1,256 lb (570 kg)
	Includes front attachment group

PUSH BLOCK

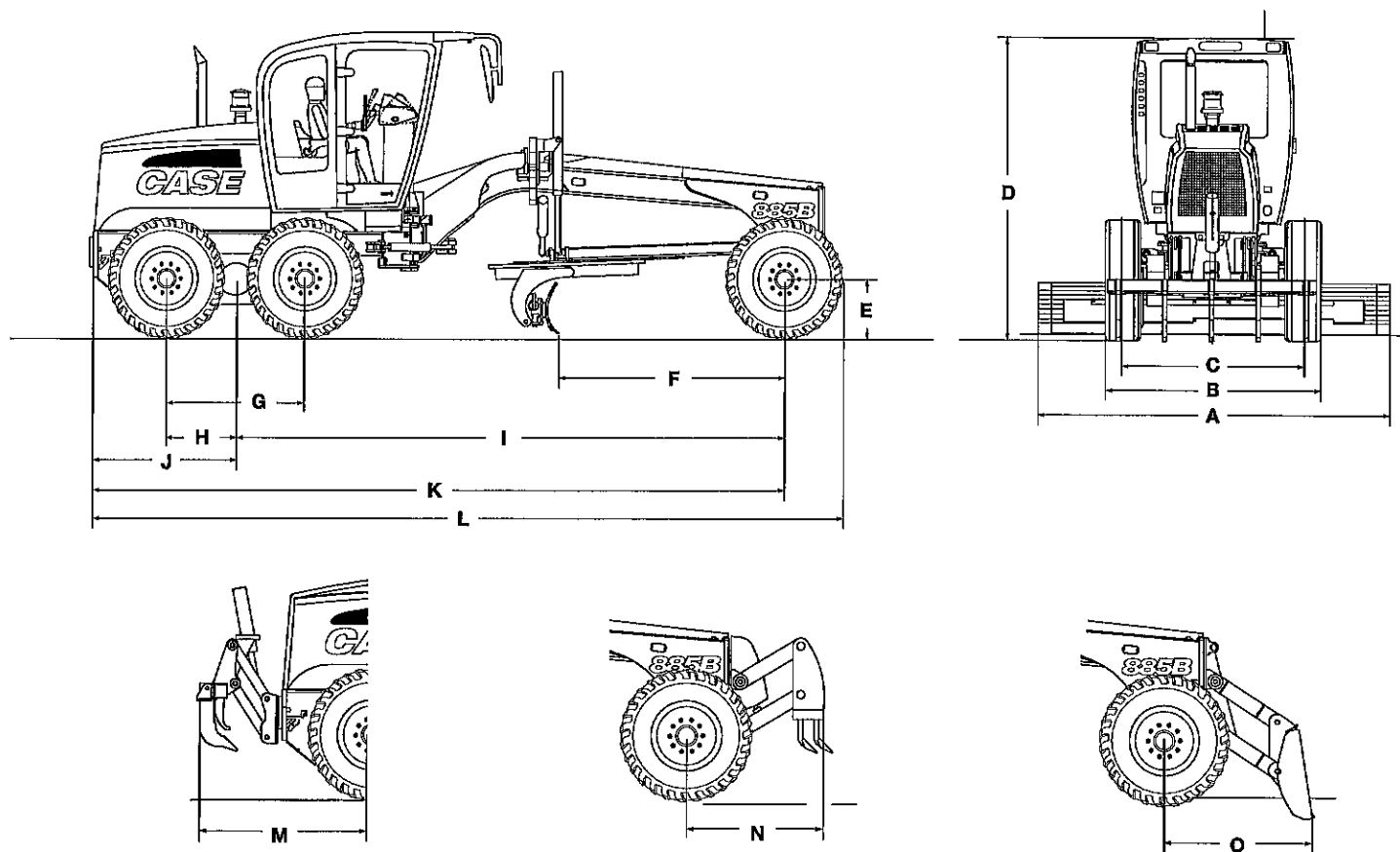
Type	Front mounted
Weight	1,084 lb (492 kg)

REAR RIPPER

Type	Parallel
Ripper teeth	3
Optional	5
Scarifier teeth	5
Optional	9
Width of cut	86.4 in (2 195 mm)
Lift above ground:	
Ripper teeth	20.38 in (518 mm)
Scarifier teeth	27.67 in (703 mm)
Max. penetration:	
Ripper teeth	17.22 in (437 mm)
Scarifier teeth	9.43 in (252 mm)
Weight	1,874 lb (850 kg)

DOZER BLADE

Type	Front mounted
Width	109 in (2 762 mm)
Height	37.5 in (953 mm)
Lift above ground	24.5 in (622 mm)
Penetration	6.5 in (165 mm)
Weight	2,568 lb (1 165 kg)
	Includes front attachment group



Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

A. Blade width	14 ft 0 in (4 267 mm)
B. Distance between outside edges of tires	8 ft 8.5 in (2 654 mm)
C. Wheel tread	7 ft 2 in (2 174 mm)
D. Height to top of cab Height to top of cab – low profile	11 ft 0 in (3 340 mm) 10 ft 4 in (3 150 mm)
E. Tire radius – when static	2 ft 0 in (610 mm)
F. Blade base	8 ft 5 in (2 562 mm)
G. Distance between tandem axles	5 ft 4 in (1 624 mm)
H. Distance between tandem center and wheel	2 ft 8 in (812 mm)
I. Wheelbase	20 ft 5 in (6 219 mm)
J. Distance between tandem center and rear end of machine	5 ft 5 in (1 650 mm)
K. Distance between front axle and rear end of machine	25 ft 10 in (7 874 mm)
L. Overall length – without ripper or front attachment	28 ft 0 in (8 534 mm)
M. Distance between rear tires and rear ripper	8 ft 8 in (2 040 mm)
N. Distance between front tires and front scarifier	5 ft 0 in (1 524 mm)
O. Distance between front tires and front dozer blade	5 ft 5 in (1 645 mm)
Outside tire turning radius	23 ft 11 in (7 289 mm)
Ground clearance-rear axle	14.1 in (359 mm)
Ground clearance-front axle	22.8 in (580 mm)

NOTE: All units equipped with 14.0 x 24-10 PR tires, ROPS cab with heater and A/C, std. battery, full fuel, 175 lb (79 kg) operator. Specifications per ISO 7134.

STANDARD EQUIPMENT**OPERATOR ENVIRONMENT**

See page 1

ENGINE

FPT F4HE9684L turbocharged diesel
Tier 3 certified
Temperature controlled cooling fan
Charge air cooler
Air intake grid heater
Common rail electronic fuel injection
Hydraulic driven cooling fan
Auto idle

DRIVETRAIN

Hydraulic differential lock

HYDRAULICS

Closed center, load sensing hydraulic system
Controls for all functions
9 section control valve
Hydraulic moldboard side shift and pitch
5-position saddle
14 ft x 23.6 in (4 267 x 600 mm) moldboard
8 hydraulic diagnostic quick couplers
Front and rear piping for hydraulic attachment

OPTIONAL EQUIPMENT**MOLDBOARDS**

12 ft x 22 in (3 658 x 559 mm), involute curve
13 ft x 23.6 in (3 962 x 600 mm), involute curve
Extensions – 2 ft (610 mm)
Front Float Control
Moldboard Float Control
Lift cylinder/side shift accumulators
Lift cylinder accumulators

OPERATOR ENVIRONMENT

Front windows openable with rear window defroster
Lower front wiper/washers
Rear windshield washer
Air suspension seat
Sunshade

TIRES

14.0 x 24-12 PR

INSTRUMENTS

Analog displays/Gauges:
Fuel level; Engine coolant temperature;
Transmission oil temperature;
Hydraulic oil temperature.
Monitor Functions:
Hour meter; Engine speed; Travel speed; Current gear selection; FNR indication; Clock; Trip computer; Fuel consumption; Fuel level percentage; Oil pressure; Coolant temperature; Engine oil temperature; Transmission oil temperature; Hydraulic oil temperature; Turbocharger air temperature; Differential lock indicator; Gear selection indicator; Engine diagnostics; Transmission diagnostics; System voltage; Error reporting; Warning prompts; Indicator warning lamps – main warning, parking brake, low brake pressure, high beams, turn signals, hazard lights, low fuel.

ELECTRICAL

2 – Heavy-duty batteries – 1010 CCA
Electronic Systems Monitor
Horn
Alternator – 90 amp
Backup alarm
Headlights
2 – Turn signals front
2 – Tail lights with turn signals, brake lights
Flood lights – cab mounted

TELEMATICS

CASE SiteWatch™ Telematics – includes hardware and a 3-yr Advanced data subscription

TIRES

14.0 x 24-12 PR
14.0 x R24 XGLA
14.0 x R24 Snoplus
16.0 x 24-12 PR
17.5 x 25-12 PR
17.5 x 25-16 PR
17.5 x R25 XTLA
17.5 x R25 Snoplus
20.5 x 25-12 PR

ELECTRICAL

2 – Front mounted working lights
2 – Floodlights at moldboard
2 – Floodlights at articulation
Snow wing lighting package

OTHER

Bidirectional engine cooling fan
Cold weather package
Fire extinguisher
Strobe light
Tool box – without tools
Deluxe tool box – with tools
Tire inflator kit
Spare wheel
Spare wheel support
Slow moving vehicle sign
Rear pull hook

ATTACHMENTS

Front pull hook
Front counterweight
Front dozer blade
Front scarifier
Front push plate
Front support and lift cylinder
Rear ripper

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IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



CASE Construction Equipment is bloddesol-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

Form No. CCE201701885B
Replaces Form No. CCE201503985B

885B DHP**4 of 4**



ENGINE

Model	FPT F4HE9684L, Tier 3 certified Compliant w/ EPA regulations effective January 2011 Electronic control
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Bore/Stroke	4.09 x 5.17 in (104 x 132 mm)
Displacement	409 in ³ (6.7 L)
Fuel	Diesel
Fuel injection	Common Rail
Cooling	Liquid
Horsepower @ 2200 RPM – SAE J1995:	
Gross	220/234 hp (164/175 kW)
Net	205/219 hp (153/163 kW)
Maximum torque @ 1600 RPM:	
	682/726 ft-lb (924/984 N-m)

DRIVETRAIN

Rear axle	Graziano, planetary
Differential	Hydraulic lock, operator controlled
Outboard brakes	Wet disc
Number of discs/brake	6
Brake surface area	2,686 in ² (17 191 cm ²)
Tandems:	
Type	Welded plate
Oscillation	20° each way
Front axle	High strength, welded steel
Oscillation	15.3° each direction
Wheel lean	20° left/right
Tires – standard	14.0 x 24 12PR TL G2 Firestone
Rims	1-piece 9 in x 24 in (227 mm x 610 mm)

Transmission type:

Direct drive countershaft Powershift
w/ electronic shift control and inching pedal

Pump flow @ 2200 RPM	29.5 gpm (112 L/min)
Sump	Integral
Speeds	8
Shifting	Single lever, bump style automatic electronic control
Diagnostics	On-board
Speeds:	
Forward:	mph (km/h)
1st	2.7 (4.3)
2nd	3.7 (6.0)
3rd	5.2 (8.4)
4th	7.3 (11.8)
5th	10.4 (16.7)
6th	14.4 (23.1)
7th	20.2 (32.5)
8th	27.8 (44.8)
Reverse:	mph (km/h)
1st	2.5 (4.0)
2nd	5.0 (8.0)
3rd	9.8 (15.8)
4th	19.3 (31.0)

ELECTRICAL

Voltage	24 Volts, negative ground
Alternator	90 amp
Batteries	2 – Low-maintenance 1010 CCA – 100 Ah (20 hr rate)
Work lights:	
Headlights – 2;	Turn signals, front/rear;
Stop/tail – 2;	Rear mounted floods – 2;
Front mounted floods – 2.	
Backup alarm	Standard

OPERATOR ENVIRONMENT

ROPS/FOPS cab – SAE J231, ISO 3449;
Adjustable operator's console; Adjustable cloth
suspension seat w/ 3 in (76 mm) retractable
seat belt; Safety glass; Dome light; Inside
rearview mirror; Outside rearview mirrors; Cup
holder; Storage tray; 12-volt outlet; Radio ready
– 12 Volt; Electrical master switch – automatic;
Heater/defroster/pressurizer; Air conditioner;
Sound suppression; Delphi AM/FM Radio w/ CD;
Cab doors – left/right; Steps – left/right; Steering
wheel; Windshield wiper – front; Windshield
washer – front.

885B DHP

MOTOR GRADER
TIER 3 CERTIFIED

OPERATING WEIGHT

W/ 14 ft (4.27 m) moldboard, 17.5 x 25 tires, front
counterweight, 175 lb (79 kg) operator
and full fuel:

	40,466 lb (18 355 kg)
Weight, front axle	12,496 lb (5 668 kg)
Weight, rear axle	27,970 lb (12 687 kg)
Blade pressure	20,679 lb (9 380 kg)

HYDRAULICS

System design	Closed center, load sensing
Hydraulic pump	Load sensing piston pump, variable displacement, pressure and flow compensated
Rated flow @ 2200 RPM	49 gpm (187 L/min)
Control valve	9 section
Side shift and pitch	Hydraulic
Saddle	5 positions
Diagnostic quick couplers	8

SERVICE CAPACITIES

Engine	4.4 gal (17.5 L)
w/ filter change	4.7 gal (18.5 L)
Fuel	90 gal (341 L)
Transmission	5.8 gal (22 L)
w/ filter change	7.5 gal (28 L)
Radiator	10.5 gal (40 L)
Hydraulic reservoir	25 gal (94.6 L)
Hydraulic system	47.5 gal (180 L)
Circle gearbox	0.75 gal (2.8 L)
Rear axle center	10.5 gal (40 L)
Total axle	10.5 gal (40 L)
Tandem case, each	18.4 gal (69 L)

OTHER SPECIFICATIONS

Steering:	
Type	Hydrostatic power steering
Turns – lock-to-lock	4.75
Pump capacity @ 2200 engine RPM:	
	18.4 gal (69 L)
Relief pressure	2,200 psi (151 bar)
	Integral w/ priority valve
Cylinder – 2:	
	2.0 in bore x 11.85 in stroke x 1.0 in rod dia. (50.8 mm x 301.0 mm x 25.4 mm)
Supplemental steering	Integral*
Articulation:	
Type	Hydraulic actuated – w/ lock valve
Range	25° left/right
Controls	Hydraulic

NOTE: *Not applicable when equipped w/
20.5 x 25 tires

MAINFRAME

Type	All welded box
Front section:	
Size	10.0 in x 11.73 in (254 mm x 298 mm)
Weight – each side	124.7 lb-ft (172.8 kg/m)
Rear section:	
Size	4.75 in x 11.75 in (121 mm x 299 mm)
Weight – each side	76.8 lb-ft (114.2 kg/m)

DRAWBAR

Type:	"A" frame welded construction with center-mounted circle turn motor
Ball and circle	Shim adjustable

MOLDBOARD

Type	High-carbon steel
Shape	Involute curve
Length	14 ft 0 in (4 267 mm)
Height	23.6 in (600 mm)
Thickness	0.875 in (22.2 mm)
End bits	2, interchangeable
Blade pitch positions:	
Normal pitch	47°
Minimum pitch	42°
Maximum pitch	87°
Blade shift:	
Right	27.0 in (686 mm)
Left	21.0 in (533 mm)
Max. bank cutting angle:	
Right	90°
Left	90°
Max. ground penetration	28 in (711.2 mm)
Max. lift above ground	17.5 in (444.5 mm)

CIRCLE

Type	Welded construction
Diameter:	
Max. outside	69.0 in (1 752.6 mm)
Vertical member	63.0 in (1 600.2 mm)
Rotation	360°
Speed	1.2 RPM (7.2°/second)
Drive:	Hydraulic motor
Type	Roller geroter
Displacement	15.26 in³/Rev. (0.25 L/Rev.)
Rated hydraulic flow	19.8 gpm (75 L/min)

ATTACHMENTS**SCARIFIER**

Type	Front mounted
Width of cut	46 in (1 168 mm)
Teeth	5
Optional	11
Tooth spacing	9.0 in (229 mm)
Optional	4.5 in (114 mm)
Lift above ground	20.75 in (527 mm)
Max. penetration	12.5 in (318 mm)
Weight	1,256 lb (570 kg)
	Includes front attachment group

PUSH BLOCK

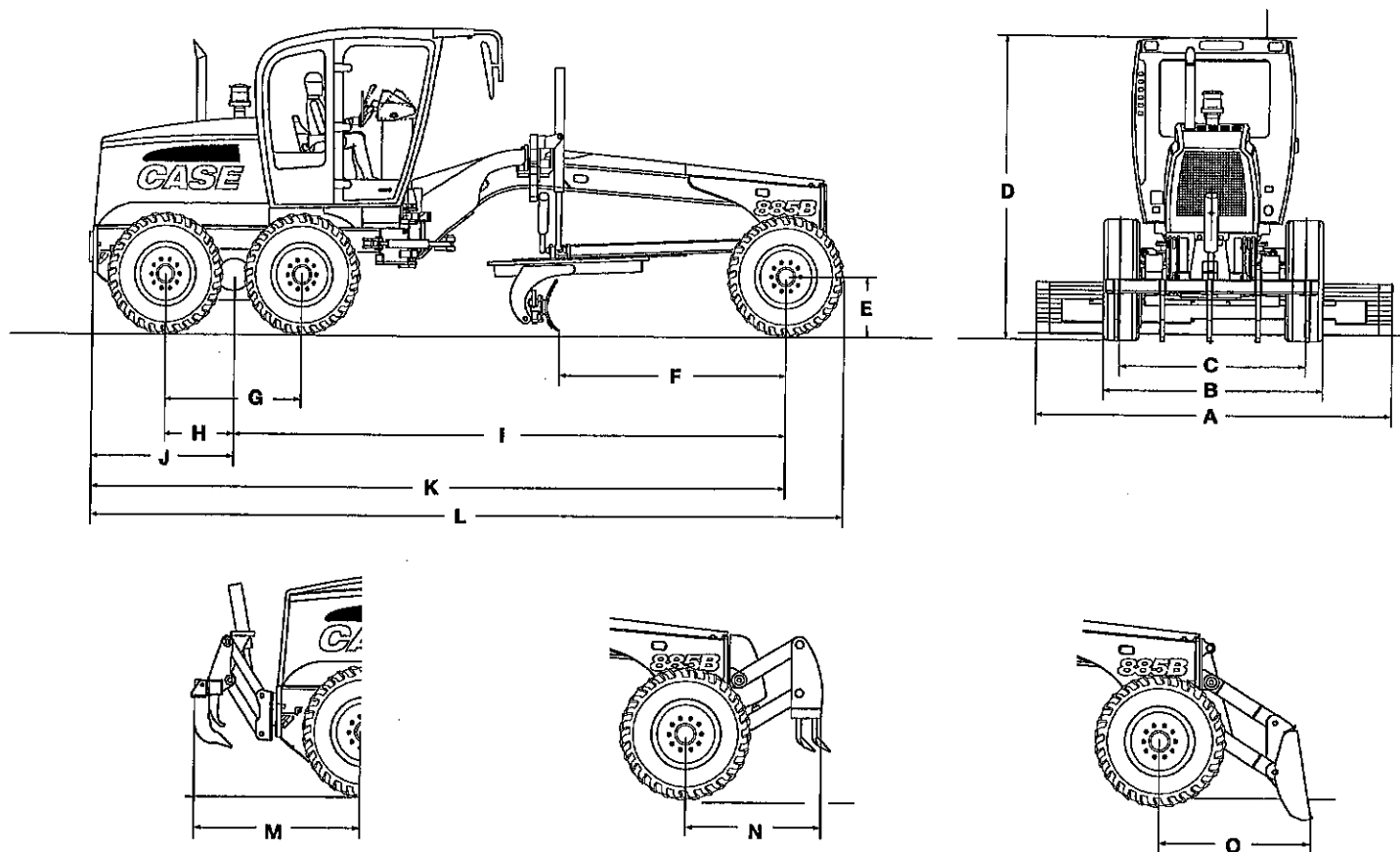
Type	Front mounted
Weight	1,084 lb (492 kg)

REAR RIPPER

Type	Parallel
Ripper teeth	3
Optional	5
Scarifier teeth	5
Optional	9
Width of cut	86.4 in (2 195 mm)
Lift above ground:	
Ripper teeth	20.38 in (518 mm)
Scarifier teeth	27.67 in (703 mm)
Max. penetration:	
Ripper teeth	17.22 in (437 mm)
Scarifier teeth	9.43 in (252 mm)
Weight	1,874 lb (850 kg)

DOZER BLADE

Type	Front mounted
Width	109 in (2 762 mm)
Height	37.5 in (953 mm)
Lift above ground	24.5 in (622 mm)
Penetration	6.5 in (165 mm)
Weight	2,568 lb (1 165 kg)
	Includes front attachment group



Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

A. Blade width	14 ft 0 in (4 267 mm)
B. Distance between outside edges of tires	8 ft 8.5 in (2 654 mm)
C. Wheel tread	7 ft 2 in (2 174 mm)
D. Height to top of cab Height to top of cab - low profile	11 ft 0 in (3 340 mm) 10 ft 4 in (3 150 mm)
E. Tire radius - when static	2 ft 0 in (610 mm)
F. Blade base	8 ft 5 in (2 562 mm)
G. Distance between tandem axles	5 ft 4 in (1 624 mm)
H. Distance between tandem center and wheel	2 ft 8 in (812 mm)
I. Wheelbase	20 ft 5 in (6 219 mm)
J. Distance between tandem center and rear end of machine	5 ft 5 in (1 650 mm)
K. Distance between front axle and rear end of machine	25 ft 10 in (7 874 mm)
L. Overall length - without ripper or front attachment	28 ft 0 in (8 534 mm)
M. Distance between rear tires and rear ripper	6 ft 8 in (2 040 mm)
N. Distance between front tires and front scarifier	5 ft 0 in (1 524 mm)
O. Distance between front tires and front dozer blade	5 ft 5 in (1 645 mm)
Outside tire turning radius	23 ft 11 in (7 289 mm)
Ground clearance-rear axle	14.1 in (359 mm)
Ground clearance-front axle	22.8 in (580 mm)

NOTE: All units equipped with 14.0 x 24-10 PR tires, ROPS cab with heater and A/C, std. battery, full fuel, 175 lb (79 kg) operator. Specifications per ISO 7134.

STANDARD EQUIPMENT**OPERATOR ENVIRONMENT**

See page 1

ENGINE

FPT F4HE9684L turbocharged diesel
Tier 3 certified
Temperature controlled cooling fan
Charge air cooler
Air intake grid heater
Common rail electronic fuel injection
Hydraulic driven cooling fan
Auto idle

DRIVETRAIN

Hydraulic differential lock

HYDRAULICS

Closed center, load sensing hydraulic system
Controls for all functions
9 section control valve
Hydraulic moldboard side shift and pitch
5-position saddle
14 ft x 23.6 in (4 267 x 600 mm) moldboard
8 hydraulic diagnostic quick couplers
Front and rear pipping for hydraulic attachment

OPTIONAL EQUIPMENT**MOLDBOARDS**

12 ft x 22 in (3 658 x 559 mm), involute curve
13 ft x 23.6 in (3 962 x 600 mm), involute curve
Extensions – 2 ft (610 mm)
Front Float Control
Moldboard Float Control
Lift cylinder/side shift accumulators
Lift cylinder accumulators

OPERATOR ENVIRONMENT

Front windows openable with rear window defroster
Lower front wiper/washers
Rear windshield washer
Air suspension seat
Sunshade

TIRES

14.0 x 24-12 PR

INSTRUMENTS

Analog displays/Gauges:
Fuel level; Engine coolant temperature;
Transmission oil temperature;
Hydraulic oil temperature.
Monitor Functions:
Hour meter; Engine speed; Travel speed; Current gear selection; FNR indication; Clock; Trip computer; Fuel consumption; Fuel level percentage; Oil pressure; Coolant temperature; Engine oil temperature; Transmission oil temperature; Hydraulic oil temperature; Turbocharger air temperature; Differential lock indicator; Gear selection indicator; Engine diagnostics; Transmission diagnostics; System voltage; Error reporting; Warning prompts; Indicator warning lamps – main warning, parking brake, low brake pressure, high beams, turn signals, hazard lights, low fuel.

ELECTRICAL

2 – Heavy-duty batteries – 1010 CCA
Electronic Systems Monitor
Horn
Alternator – 90 amp
Backup alarm
Headlights
2 – Turn signals front
2 – Tail lights with turn signals, brake lights
Flood lights – cab mounted

TELEMATICS

CASE SiteWatch™ Telematics – Includes hardware and a 3-yr Advanced data subscription

TIRES

14.0 x 24-12 PR
14.0 x R24 XGLA
14.0 x R24 Snoplus
16.0 x 24-12 PR
17.5 x 25-12 PR
17.5 x 25-16 PR
17.5 x R25 XTLA
17.5 x R25 Snoplus
20.5 x 25-12 PR

ELECTRICAL

2 – Front mounted working lights
2 – Floodlights at moldboard
2 – Floodlights at articulation
Snow wing lighting package

OTHER

Bidirectional engine cooling fan
Cold weather package
Fire extinguisher
Strobe light
Tool box – without tools
Deluxe tool box – with tools
Tire inflator kit
Spare wheel
Spare wheel support
Slow moving vehicle sign
Rear pull hook

ATTACHMENTS

Front pull hook
Front counterweight
Front dozer blade
Front scarifier
Front push plate
Front support and lift cylinder
Rear ripper

CaseCE.com

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IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



CASE Construction Equipment is biodiesel-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

Form No. CCE201701885B
Replaces Form No. CCE201503885B

885B DHP

Bid Item 2: Pneumatic Roller

One (1) BOMAG Model: BW11RH-5 Pneumatic Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Pneumatic Roller is to be complete with All Standard Equipment including ROPS/FOPS, Water Sprinkler System, Rotary Beacon, and Additional Ballast to 2,313 lbs., Cocoa Mats and Back-Up Alarm.

For full technical specifications for this bid item, see APPENDIX B.

Warranty term for this equipment (included, without additional cost) should be at least: One (1) calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade In: Jefferson County will be trading in a used and **flood-damaged** Dynapac CP142 (SN: 1000-500C0B000882) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 2: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 39-40).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 2: Pneumatic Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 41).



**JEFFERSON COUNTY, TEXAS
PURCHASING DEPARTMENT**

1149 Pearl Street – First Floor
Beaumont, Texas 77701
409-835-8593 phone

ADDENDUM TO IFB

IFB Number: IFB 18-013/JW

IFB Title: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

IFB Due: 11:00 am CDT, Tuesday, June 19, 2018

Addendum No.: 1

Issued (Date): June 7, 2018

TO BIDDER: This Addendum is an integral part of the IFB package under consideration by you as a Bidder in connection with the subject matter herein identified. Jefferson County deems all sealed proposals to have been proffered in recognition and consideration of the entire IFB package – **including all addenda**. For purposes of clarification, **receipt of this present Addendum by a Bidder should be evidenced by returning it (signed) as part of the Bidder's sealed proposal.** If the Proposal has already been received by the Jefferson County Purchasing Department, Bidder should return this addendum in a separate sealed envelope, clearly marked with the IFB Title, IFB Number, and Opening Date and Time, as stated above.

Reason for Issuance of this addendum: Revisions to Page 39 of Bid Specifications

The information included herein is hereby incorporated into the documents of this present Bid matter and supersedes any conflicting documents or portion thereof previously issued.

Receipt of this Addendum is hereby acknowledged by the undersigned Bidder:

ATTEST:

Jamie Winkler
Authorized Signature (Bidder)

Witness

Sales Manager
Title of Person Signing Above

Witness

ASCO
Typed Name of Business or Individual

Approved by _____ Date: _____

5980 S. Mck Pkwy. Beaumont TX 77705
Address

Addendum No. 1 – Revised Page 39 of Bid Specifications

BASIC SPECIFICATIONS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Base Machine weight should not be less than ~~27,000~~ 11,075 lbs
- ☒ Machine should operate with a ballast weighing up to 6,000 lbs
- ☒ Capable of speed: 15.5 mph or higher
- ☒ Water Tank Capacity of at least 150 gallons
- ☒ Turning Radius: 9 ft.
- ☒ ROP Height: 9.4'
- ☒ Self-lubricating bushings that are maintenance-free
- ☒ Maintenance-free braking system
- ☒ Flashing lights and blinkers for on-road safety

STANDARD EQUIPMENT

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Scraper per wheel
- ☒ Hour meter
- ☒ Warning horn
- ☒ Control panel for: engine oil pressure, engine temperature, air filter vacuum, charge control, hydraulic oil filter, coolant level, fuel tank capacity
- ☒ (2) outside mirrors
- ☒ Lockable anti-vandal dashboard protection
- ☒ Operator's platform with: one steering wheel, laterally sliding swivels
- ☒ Back-up alarm
- ☒ Hydrostatic transmission
- ☒ Tier 4 Kubota Diesel Engine
- ☒ Nine 7.50 X 15 X 14 ply tires
- ☒ Fuel gauge
- ☒ Hydrostatic, center articulated steering with +/- 10 degree frame oscillation

Bid Item 2: Pneumatic Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Base Machine weight should not be less than 27,000 lbs
- ☒ Capable of speed: 15.5 mph or higher
- ☒ Water Tank Capacity of at least 150 gallons
- ☒ Turning Radius: 9 ft.
- ☒ ROP Height: 9.4'
- ☒ Self-lubricating bushings that are maintenance-free
- ☒ Maintenance-free braking system
- ☒ Flashing lights and blinkers for on-road safety

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Scraper per wheel
- ☒ Hour meter
- ☒ Warning horn
- ☒ Control panel for: engine oil pressure, engine temperature, air filter vacuum, charge control, hydraulic oil filter, coolant level, fuel tank capacity
- ☒ (2) outside mirrors
- ☒ Lockable anti-vandal dashboard protection
- ☒ Operator's platform with: one steering wheel, laterally sliding swivels
- ☒ Back-up alarm
- ☒ Hydrostatic transmission
- ☒ NA Tier 4 Kubota Diesel Engine
- ☒ NA Nine 7.50 X 15 X 14 ply tires
- ☒ Fuel gauge
- ☒ Hydrostatic, center articulated steering with +/- 10 degree frame oscillation

Bid Item 2: Pneumatic Roller

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

☒ Rear wheel oscillation: +/- 4 degrees outside & +/- 5 degrees center

☒ Spring-Applied, Hydraulically Released (SAHR) brakes

OPTIONAL FEATURES

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

☒ Headlights (front and rear)

☐ Turn signals and 4-way flashers

☒ Pressurized water spray system

☒ Radial tires w/ approx. 14 ply rating

☒ Steel ballast

☒ Heat retention shields

☒ Pressurized water spray system

☒ Special paint, 1 color (Enamel only)

☒ Indicator and hazard lights

Bid Item 2: Pneumatic Roller
BIDDER ALTERNATIVE FEATURES OFFERED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

Tier IV Cummins Diesel Engine
Shipping weight 13,100 lbs

Tru-Pac 915B Pneumatic Roller

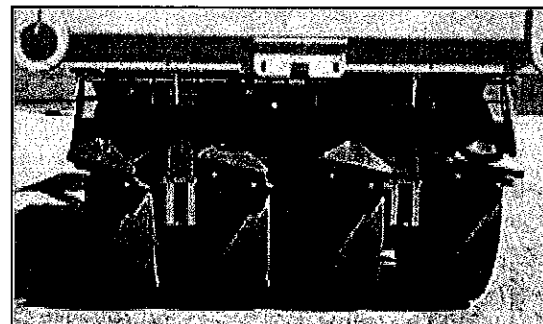
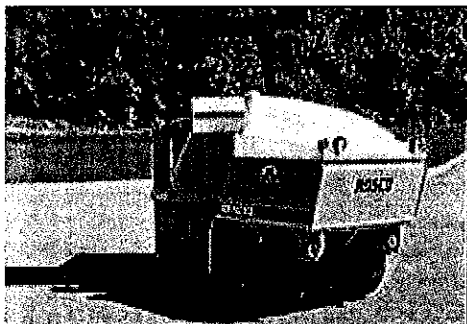
Rosco
LeeBoy Group



Performance Features:

The Tru-Pac 915B pneumatic roller provides a versatile, center-point articulating roller for asphalt paving, chip sealing and soil applications. Easy to operate and fully hydrostatic, this roller's low profile water tank enhances operator visibility and safety. The Tru-Pac 915B features all-wheel oscillation to increase the kneading action during compaction and can be easily ballasted with water, sand or steel in the front and rear compartments. This machine provides consistent tru-tracking compaction in forward, reverse and especially when turning.

- 74 hp (55 kw) Cummins Tier 4 Final Diesel Engine
- Ballastable from 6.7 to 15 Ton
- 9-Wheel Design with 1/2" (12.7 mm) Tire Overlap
- All Wheels Oscillate Individually or in Pairs +/- 4°
- Responsive Hydrostatic Drive
- 150 Gallons (568 l) Tank
- 13,100 lbs (5,942 kg) static weight
- Articulating Frame for Tru-Tracking Compaction
- Operator's Suspension Seat with Slide, Swivel and Belt
- Pressurized Water System
- Dynamic Braking and Parking Brake



Tru-Pac 915B Pneumatic Roller Specifications



Dimensions	<ul style="list-style-type: none"> - Shipping weight: 13,100 lbs (5,942 kg) - Max operating weight: 30,500 lbs (13,835 kg) - Length: 14' 4" (4.37 m), transport 14' (4.26 m), operational - Width: 6' (1.83 m), transport 5' 8" (1.72 m), rolling width - Height: 9' 2" (2.79 m) with ROPS 7' 6" (2.28 m) without ROPS - Wheel base: 8' 4" (2.54 m) - Turning radius: 8' 8" (2.64 m), inside 14' 4" (4.36 m), outside
Engine	Cummins diesel, Tier 4 Final – 74 hp (55 kw)
Capacities	<ul style="list-style-type: none"> - Fuel: 35 gallons (133 l) - Hydraulic reservoir: 14 gallons (53 l) - Water tank size: 150 gallons (568 l)
Transmission	<ul style="list-style-type: none"> - Hydrostatic with wheel motors mounted directly to drive wheels - 0 to 14.8 mph (0 to 23.8 kph)
Tires	<ul style="list-style-type: none"> - Nine tires total, five front and four rear - 7.5 x 15, 14-ply - .5" (13 mm) minimum tire overlap - All wheels oscillate individually or in pairs +/- 4°
Articulated Frame	<ul style="list-style-type: none"> - Articulation +/- 39° - Oscillation +/- 10°
Operator's Platform	Suspension seat with slide, swivel and seat belt
Operator's Controls	Forward/reverse joystick controls
Steering	Hydraulic power steering
Brakes	<ul style="list-style-type: none"> - Dynamic braking through the transmission - Hydraulically released parking brake
Instrumentation	<ul style="list-style-type: none"> - Hour meter - Engine oil pressure, coolant temperature - Hydraulic oil temperature - Voltmeter - Tachometer - Fuel gauge
Additional Standard Equipment	<ul style="list-style-type: none"> - Back-up alarm - ROPS with sunroof - Safety amber strobe - Coco mats - Horn - Vandalism protection package - Slow moving vehicle sign
Optional Equipment	<ul style="list-style-type: none"> - 11-wheel roller option, two additional compaction tires - Heat shield group - FOPS canopy - Light combination and work lights (turn, tail and 2 LED front, 2 LED rear work lights) - Cold weather package, block heater

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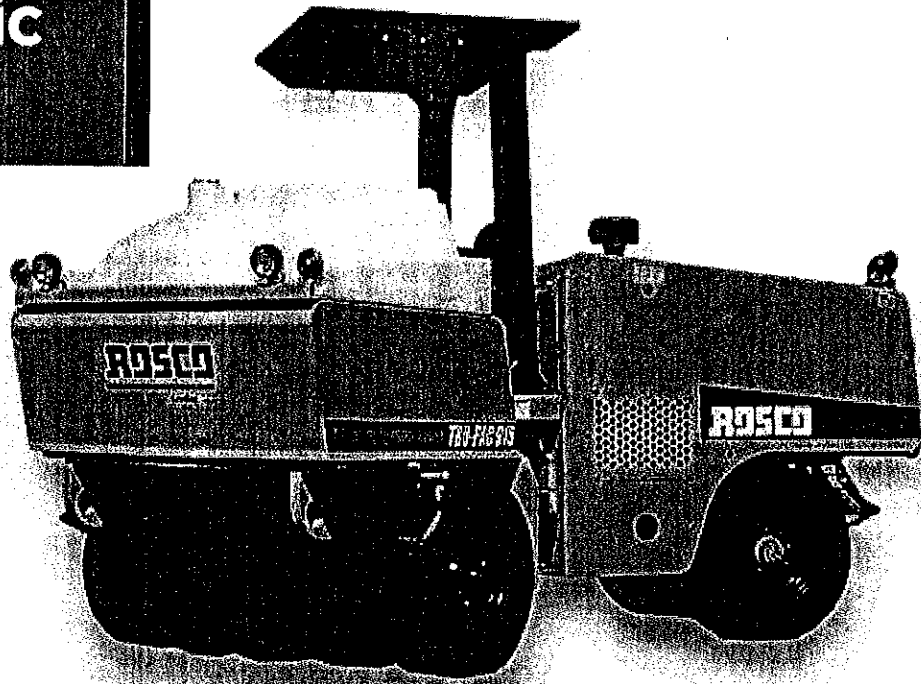
VT LeeBoy, Inc. ■ 500 Lincoln County Parkway Extension ■ Lincolnton, NC 28092 ■ 704.966.3300
For additional products or information, visit our website: www.LeeBoy.com

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Tru-Pac 915B Pneumatic Roller

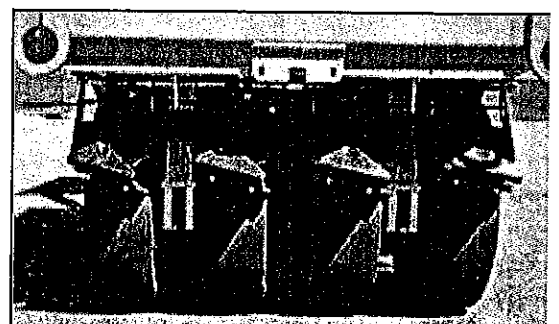
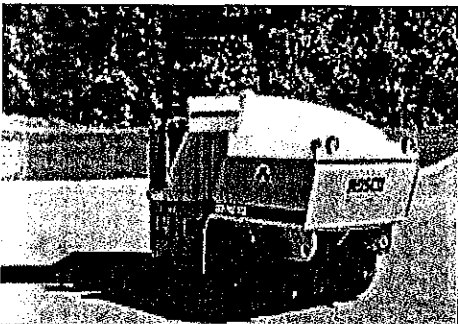
Rosco
LeeBoy Group



Performance Features:

The Tru-Pac 915B pneumatic roller provides a versatile, center-point articulating roller for asphalt paving, chip sealing and soil applications. Easy to operate and fully hydrostatic, this roller's low profile water tank enhances operator visibility and safety. The Tru-Pac 915B features all-wheel oscillation to increase the kneading action during compaction and can be easily ballasted with water, sand or steel in the front and rear compartments. This machine provides consistent tru-tracking compaction in forward, reverse and especially when turning.

- 74 hp (55 kw) Cummins Tier 4 Final Diesel Engine
- Ballastable from 6.7 to 15 Ton
- 9-Wheel Design with 1/2" (12.7 mm) Tire Overlap
- All Wheels Oscillate Individually or in Pairs +/- 4°
- Responsive Hydrostatic Drive
- 150 Gallons (568 l) Tank
- 13,100 lbs (5,942 kg) static weight
- Articulating Frame for Tru-Tracking Compaction
- Operator's Suspension Seat with Slide, Swivel and Belt
- Pressurized Water System
- Dynamic Braking and Parking Brake



Tru-Pac 915B Pneumatic Roller Specifications



Dimensions	<ul style="list-style-type: none"> - Shipping weight: 13,100 lbs (5,942 kg) - Max operating weight: 30,500 lbs (13,835 kg) - Length: 14' 4" (4.37 m), transport 14' (4.26 m), operational - Width: 6' (1.83 m), transport 5' 8" (1.72 m), rolling width - Height: 9' 2" (2.79 m) with ROPS 7' 6" (2.28 m) without ROPS - Wheel base: 8' 4" (2.54 m) - Turning radius: 8' 8" (2.64 m), inside 14' 4" (4.36 m), outside
Engine	Cummins diesel Tier 4 Final - 74 hp (55 kw)
Capacities	<ul style="list-style-type: none"> - Fuel: 35 gallons (133 l) - Hydraulic reservoir: 14 gallons (53 l) - Water tank size: 150 gallons (568 l)
Transmission	<ul style="list-style-type: none"> - Hydrostatic with wheel motors mounted directly to drive wheels - 0 to 14.8 mph (0 to 23.8 kph)
Tires	<ul style="list-style-type: none"> - Nine tires total, five front and four rear - 7.5 x 15, 14-ply - .5" (13 mm) minimum tire overlap - All wheels oscillate individually or in pairs +/- 4°
Articulated Frame	<ul style="list-style-type: none"> - Articulation +/- 39° - Oscillation +/- 10°
Operator's Platform	Suspension seat with slide, swivel and seat belt
Operator's Controls	Forward/reverse joystick controls
Steering	Hydraulic power steering

Brakes	<ul style="list-style-type: none"> - Dynamic braking through the transmission - Hydraulically released parking brake
Instrumentation	<ul style="list-style-type: none"> - Hour meter - Engine oil pressure, coolant temperature - Hydraulic oil temperature - Voltmeter - Tachometer - Fuel gauge
Additional Standard Equipment	<ul style="list-style-type: none"> - Back-up alarm - ROPS with sunroof - Safety amber strobe - Coco mats - Horn - Vandalism protection package - Slow moving vehicle sign
Optional Equipment	<ul style="list-style-type: none"> - 11-wheel roller option, two additional compaction tires - Heat shield group - FOPS canopy - Light combination and work lights (turn, tail and 2 LED front, 2 LED rear work lights) - Cold weather package, block heater

LeeBoy

VT LeeBoy, Inc. ■ 500 Lincoln County Parkway Extension ■ Lincolnton, NC 28092 ■ 704.966.3300

For additional products or information, visit our website: www.LeeBoy.com

BR-1201.2-EN This document contains information applicable for the U.S. and U.S. Territories. For international product availability, specifications and support, please contact your authorized LeeBoy representative. The technical data contained herein is subject to change due to continuous engineering and development. Accordingly, LeeBoy Group reserves the right to modify at any time.



Bid Item 3: Vibratory Tandem Roller

One (1) BOMAG Model: BW161AD-5 Vibratory Tandem Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Vibratory Tandem Roller is to be complete with All Standard Equipment including 90 degree swivel seat unit, Economizer, ROPS, Temperature Gauge, and Joint with Crabwalk.

For full technical specifications for this bid item, see APPENDIX C.

Warranty term for this equipment (included, without additional cost) should be at least: (1) one calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade-In: Jefferson County will be trading in a used and **flood-damaged** CAT CB534-C (SN: 5HN00552) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 3: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 43-44).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 45).



**JEFFERSON COUNTY, TEXAS
PURCHASING DEPARTMENT**

1149 Pearl Street – First Floor
Beaumont, Texas 77701
409-835-8593 phone

ADDENDUM TO IFB

IFB Number: IFB 18-013/JW

IFB Title: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

IFB Due: 11:00 am CDT, Tuesday, June 19, 2018

Addendum No.: 2

Issued (Date): June 14, 2018

TO BIDDER: This Addendum is an integral part of the IFB package under consideration by you as a Bidder in connection with the subject matter herein identified. Jefferson County deems all sealed proposals to have been proffered in recognition and consideration of the entire IFB package – **including all addenda**. For purposes of clarification, **receipt of this present Addendum by a Bidder should be evidenced by returning it (signed) as part of the Bidder's sealed proposal**. If the Proposal has already been received by the Jefferson County Purchasing Department, Bidder should return this addendum in a separate sealed envelope, clearly marked with the IFB Title, IFB Number, and Opening Date and Time, as stated above.

Reason for Issuance of this addendum: Revision to Bid Specifications for Bid Item No. 3

Revision: The Tango Oscillation Feature SHOULD NOT be included on this piece of equipment. Any reference to this feature within the bid specifications for this bid item (including Appendix C) should be disregarded. Do not include this feature in bid price.

The information included herein is hereby incorporated into the documents of this present Bid matter and supersedes any conflicting documents or portion thereof previously issued.

Receipt of this Addendum is hereby acknowledged by the undersigned Bidder:

ATTEST:

Lamie Winkler
Authorized Signature (Bidder)

Witness

Sales Manager
Title of Person Signing Above

Witness

ASCO
Typed Name of Business or Individual

Approved by _____ Date: _____

5980 S. MLK Hwy. Beaumont, TX
Address 77705

Addendum No. 2 – Revised Page 43 of Bid Specifications

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

NA Operating Weight should be at least 21,600 lbs

NA Turning Radius: 192.1"

✓ Vibratory Frequency for Drums: 3,000/4,200 VPM

NA Engine: 114 horsepower

NA Top speed should be at least 7.5 mph

NA No grease nipples.

✓ Sealed bearings.

NA Economizer System

✓ Economode Feature

~~Tango Oscillation Feature~~

✓ Visible sight lines to drum edge

✓ Open operator's platform

✓ 180 degree seat & steering, so the driver can have their front or back turned to the edge of the machine for a better view.

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

✓ 2 amplitudes / 2 frequencies

NA Kubota Tier 4i engine

✓ Automatic vibration operation

✓ Individual vibration control

✓ Adjustable driver's seat – 180 degrees; laterally slidable with steering wheel

✓ On-board indicators: engine speed, speedometer, fuel consumption, engine temperature

✓ Pressure sprinkling system with 2 pumps

✓ Low water level indicator

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- NA Operating Weight should be at least 21,600 lbs
- NA Turning Radius: 192.1"
- ☒ Vibratory Frequency for Drums: 3,000/4,200 VPM
- NA Engine: 114 horsepower
- NA Top speed should be at least 7.5 mph
- NA No grease nipples.
- ☒ Sealed bearings.
- NA Economizer System
- ☒ Economode Feature
- ~~NA Tange Oscillation Feature~~
- ☒ Visible sight lines to drum edge
- ☒ Open operator's platform
- ☒ 180 degree seat & steering, so the driver can have their front or back turned to the edge of the machine for a better view.

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ 2 amplitudes / 2 frequencies
- NA Kubota Tier 4i engine
- ☒ Automatic vibration operation
- ☒ Individual vibration control
- ☒ Adjustable driver's seat – 180 degrees; laterally slidable with steering wheel
- ☒ On-board indicators: engine speed, speedometer, fuel consumption, engine temperature
- ☒ Pressure sprinkling system with 2 pumps
- ☒ Low water level indicator

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Indicator and hazard lights
- ☒ Back-up alarm
- ☒ Battery disconnect switch
- ☒ Storage for documents and tools
- ☒ Emergency stop button
- ☒ ROPS/FOPS w/safety

OPTIONAL EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Economizer
- ☒ Asphalt temperature display
- ☒ Edge cutter
- ☒ Rotary beacon
- ☒ Environmentally friendly hydraulic oil

- CASE DV209 operating weight is 21,080 lbs. CASE rollers are balance 50/50 so the weight is over the drum. This keeps the drum on the mat and lets us reduce the machine overall weight for more economical operation.
- CASE DV209HF turning radius is 214 inches
- Engine horse power is 100 HP. The Deutz engine is 100% matched with the hydraulics in the CASE DV209 allowing us to run a more efficient and proficient engine.
- Top Speed of the CASE DV209 is 6.5 MPH
- NO GREASE NIPPLES. In the high humidity salt air environment of Jefferson County along with the length of time the Precinct keeps their equipment we highly recommend having grease fittings.
- ECONOMIZER. We do not offer this basic of a system and is accuracy is up to interpretation.
- Engine. We run a Deutz engine.

Bid Item 3: Vibratory Tandem Roller
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked “N/A” on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked “N/A” on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

[illegible]



ENGINE

Make	Deutz TCD 3.6 L4
Emissions Certification	Tier 4 Final Certified
Type	Diesel
Cylinders	4
Displacement	221 in ³ (L)
Horsepower @ 2200 RPM	100 hp (74.4 kW)
Max. torque @ 1600 RPM	302.4 lb-ft (410 Nm)

DRIVETRAIN

Drive	Hydrostatic
Maximum speed	6.5 mph (10.5 kph)
Service brake	SAHR
Parking brake	Multi-disc
Emergency brake	Multi-disc
Drum drive	Front and rear drums
Drive motors - dual	1 x each drum
Drive motor pump	Variable displacement axial piston
Gradeability	30%

ELECTRICAL

Voltage	24 Volts
Battery	12-volt @ 420 CCA
Halogen work lights	4 (55 watt/front and rear)
Turn signals & four-way flashers	Left/right

OPERATOR ENVIRONMENT

Operator work stations	1
Seat - multi-position/suspension	1
Seat position	Rotating and pivoting
Lever travel control	1
Seat-belt - retractable	3 in (76.2 mm)
Steering column	Adjustable up/down
Rearview mirrors	2 - front frame mounted

OPERATING WEIGHT

Operating weight	21,080 lb (9 560 kg)
w/ cab option - add	970 lb (440 kg)
Front drum load	10,520 lb (4 770 kg)
Front drum linear load	159 lb/in (28.4 kg/cm)
Rear drum load	10,560 lb (4 790 kg)
Rear drum linear load	180 lb/in (28.5 kg/cm)
Single side edge cutter	330 lb (150 kg)
Double side edge cutter	660 lb (300 kg)

SERVICE CAPACITIES

Fuel tank	58.1 gal (220 L)
Engine oil	9.5 qt (9 L)
SCR tank	5.8 gal (22 L)
Hydraulic system - reservoir	15.9 gal (60 L)
Vibration system - each drum	2 gal (7.5 L)

OTHER SPECIFICATIONS

Steering:	
Pump type	Gear
Steering cylinders	2
Steering angle - left and right	31°
Oscillation angle +/-	6°
Inside turning radius	215 in (5 470 mm)
Outside turning radius	293 in (7 450 mm)

Water system:	
Water tank	222 gal (840 L) front frame mount
Water tank	Polyethylene
Water feed	Pressurized
Pumps	2
Fill ports	2
Filtration stages	3

Vibratory system:	
System design	Closed center
Pump type	Gear
Fixed displacement hydraulic motors	2
Vibration	Eccentric
Drum vibration	Front only/Rear only Front and rear

Frequency:	
Low	2,780 vpm (48 Hz)
High	4,020 vpm (67 Hz)
Amplitude:	
Low	0.009 in (0.23 mm)
High	0.024 in (0.62 mm)
Centrifugal force:	
Low	15,737 lb (70 kN)
High	21,806 lb (97 kN)

DV209D

DOUBLE DRUM ROLLER HIGH FREQUENCY

TIER 4 FINAL CERTIFIED

STANDARD EQUIPMENT

OTHER

Fixed ROPS/FOPS Canopy
Articulated chassis
Deutz TCD 3.6 L4/Tier 4 Final engine
Hydrostatic drive for both drums
Vulcollon drum scrapers - fixed
Machined tapered drum edges
Spin-on fuel, engine oil and hydraulic filters
Master disconnect switch
4-point lift and tie down provision
Worklights w/ turn signals
Back-up alarm
Brake release
Drum offset - crab steer

OPERATOR ENVIRONMENT

Iso-mounted operator's platform
Anti-Vandal Covers
Multi-position shifting suspension seat
w/ foldable armrests
Adjustable steering column
Single lever speed and direction control w/
vibration on/off control
Speed selector
Smooth start and stop
Return to center - offset
Handrails
Tool box
3 in retractable seat-belt
Emergency stop button
Seat safety switch

INSTRUMENT PANEL

Intelligent integrated display screen
Ignition lockout
Hour meter
Throttle control
Manual or auto vibration control
Water tank level
Fuel tank level
Vibration frequency
Sprinkler intensity

INDICATOR LIGHTS

Battery
Coolant level
Engine temperature warning
Air filter
Hydraulic filter
Hydraulic oil level
Parking brake
Fuel filter
Sprinkler on/off

MONITOR DISPLAY PANEL

Engine RPM
 Engine hours
 Fuel rate
 System voltage
 % engine load at current RPM
 Coolant temperature
 Oil pressure
 Fuel economy
 Current fuel consumption
 Active service codes

WATER SYSTEM

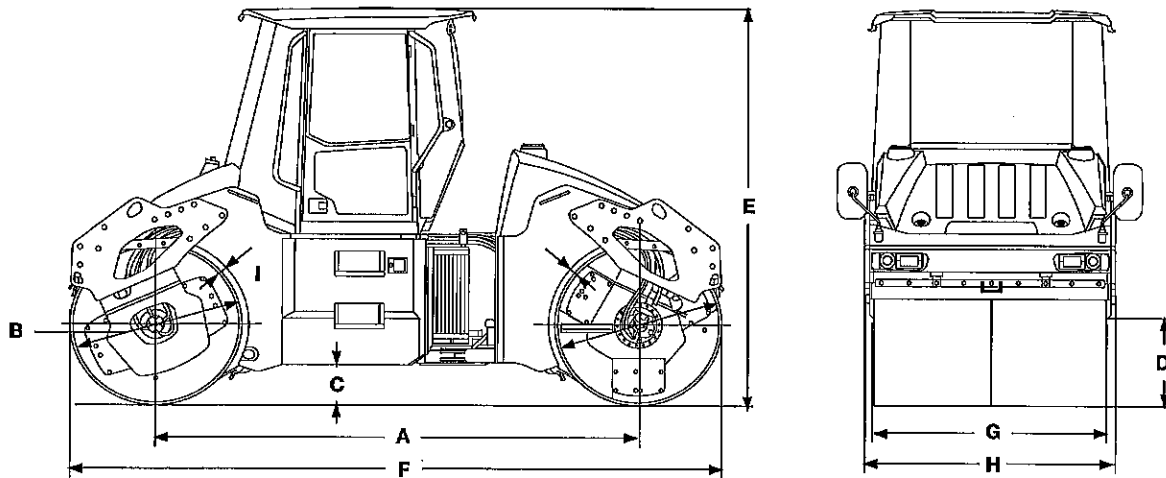
Pressurized water system
 Dual fill port water tank
 3-stage water filtration
 Water system on/off
 Water system drain
 Adjustable sprinkler volume control

VIBRATION SYSTEM

Front, rear, and dual drum vibration control modes
 Auto vibration stop in neutral
 Dual-mode vibratory system

OPTIONAL EQUIPMENT**OTHER**

Cab with heat and ventilation
 Cab air conditioning
 Radio mounting with 2 speakers and antenna – no radio
 Rotating beacon
 Right side edge cutter (45 or 60 degrees)
 Right and left side edge cutters (45 or 60 degrees)
 Tiltable scrapers – front and rear
 Infrared thermometer
 Cab mounted LED work lights
 360 degree night illumination kit
 Left hand control lever – in addition to the right hand lever
 ACE Force Intelligent Compaction
 CASE SiteWatch



Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

A. Wheelbase	11 ft 5 in (3 480 mm)
B. Drum diameter	48 in (1 220 mm)
C. Curb clearance	11.8 in (300 mm)
D. Side clearance	30.7 in (780 mm)
E. Overall height	9 ft 10 in (3 000 mm)
F. Overall length	15 ft 5 in (4 720 mm)
G. Compaction width	66 in (1 680 mm)
H. Overall width	71 in (1 800 mm)
I. Drum thickness	0.9 in (22 mm)
Drum offset	6.7 in (170 mm)

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IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



CASE Construction Equipment is biodiesel-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

Form No. CCE201712DV209DHF
 Replaces Form No. CCE201703DV209DHF

DV209D HF



ENGINE

Make	Deutz TCD 3.6 L4
Emissions Certification	Tier 4 Final Certified
Type	Diesel
Cylinders	4
Displacement	221 in ³ (L)
Horsepower @ 2200 RPM	100 hp (74.4 kW)
Max. torque @ 1600 RPM	302.4 lb-ft (410 Nm)

DRIVETRAIN

Drive	Hydrostatic
Maximum speed	6.5 mph (10.5 kph)
Service brake	SAHR
Parking brake	Multi-disc
Emergency brake	Multi-disc
Drum drive	Front and rear drums
Drive motors - dual	1 x each drum
Drive motor pump	Variable displacement axial piston
Gradeability	30%

ELECTRICAL

Voltage	24 Volts
Battery	12-volt @ 420 CCA
Halogen work lights	4 (55 watt/front and rear)
Turn signals & four-way flashers	Left/right

OPERATOR ENVIRONMENT

Operator work stations	1
Seat - multi-position/suspension	1
Seat position	Rotating and pivoting
Lever travel control	1
Seat-belt - retractable	3 in (76.2 mm)
Steering column	Adjustable up/down
Rearview mirrors	2 - front frame mounted

OPERATING WEIGHT

Operating weight	21,080 lb (9 580 kg)
w/ cab option - add	970 lb (440 kg)
Front drum load	10,520 lb (4 770 kg)
Front drum linear load	159 lb/in (28.4 kg/cm)
Rear drum load	10,560 lb (4 790 kg)
Rear drum linear load	160 lb/in (28.5 kg/cm)
Single side edge cutter	330 lb (150 kg)
Double side edge cutter	660 lb (300 kg)

SERVICE CAPACITIES

Fuel tank	58.1 gal (220 L)
Engine oil	9.5 qt (9 L)
SCR tank	5.8 gal (22 L)
Hydraulic system - reservoir	15.9 gal (60 L)
Vibration system - each drum	2 gal (7.5 L)

OTHER SPECIFICATIONS

Steering:	
Pump type	Gear
Steering cylinders	2
Steering angle - left and right	31°
Oscillation angle +/-	6°
Inside turning radius	215 in (5 470 mm)
Outside turning radius	293 in (7 450 mm)
Water system:	
Water tank	222 gal (840 L)
	front frame mount
Water tank	Polyethylene
Water feed	Pressurized
Pumps	2
Fill ports	2
Filtration stages	3

Vibratory system:	
System design	Closed center
Pump type	Gear
Fixed displacement hydraulic motors	2
Vibration	Eccentric
Drum vibration	Front only/Rear only
	Front and rear

Frequency:	
Low	2,760 vpm (46 Hz)
High	4,020 vpm (67 Hz)
Amplitude:	
Low	0.009 in (0.23 mm)
High	0.024 in (0.62 mm)
Centrifugal force:	
Low	15,737 lb (70 kN)
High	21,806 lb (97 kN)

DV209D

DOUBLE DRUM ROLLER HIGH FREQUENCY

TIER 4 FINAL CERTIFIED

STANDARD EQUIPMENT

OTHER

Fixed ROPS/FOPS Canopy
Articulated chassis
Deutz TCD 3.6 L4/Tier 4 Final engine
Hydrostatic drive for both drums
Vulcolon drum scrapers - fixed
Machined tapered drum edges
Spln-on fuel, engine oil and hydraulic filters
Master disconnect switch
4-point lift and tie down provision
Worklights w/ turn signals
Back-up alarm
Brake release
Drum offset - crab steer

OPERATOR ENVIRONMENT

Iso-mounted operator's platform
Anti-Vandal Covers
Multi-position shifting suspension seat
w/ foldable armrests
Adjustable steering column
Single lever speed and direction control w/
vibration on/off control
Speed selector
Smooth start and stop
Return to center - offset
Handrails
Tool box
3 in retractable seat-belt
Emergency stop button
Seat safety switch

INSTRUMENT PANEL

Intelligent Integrated display screen
Ignition lockout
Hour meter
Throttle control
Manual or auto vibration control
Water tank level
Fuel tank level
Vibration frequency
Sprinkler intensity

INDICATOR LIGHTS

Battery
Coolant level
Engine temperature warning
Air filter
Hydraulic filter
Hydraulic oil level
Parking brake
Fuel filter
Sprinkler on/off

MONITOR DISPLAY PANEL

Engine RPM
 Engine hours
 Fuel rate
 System voltage
 % engine load at current RPM
 Coolant temperature
 Oil pressure
 Fuel economy
 Current fuel consumption
 Active service codes

WATER SYSTEM

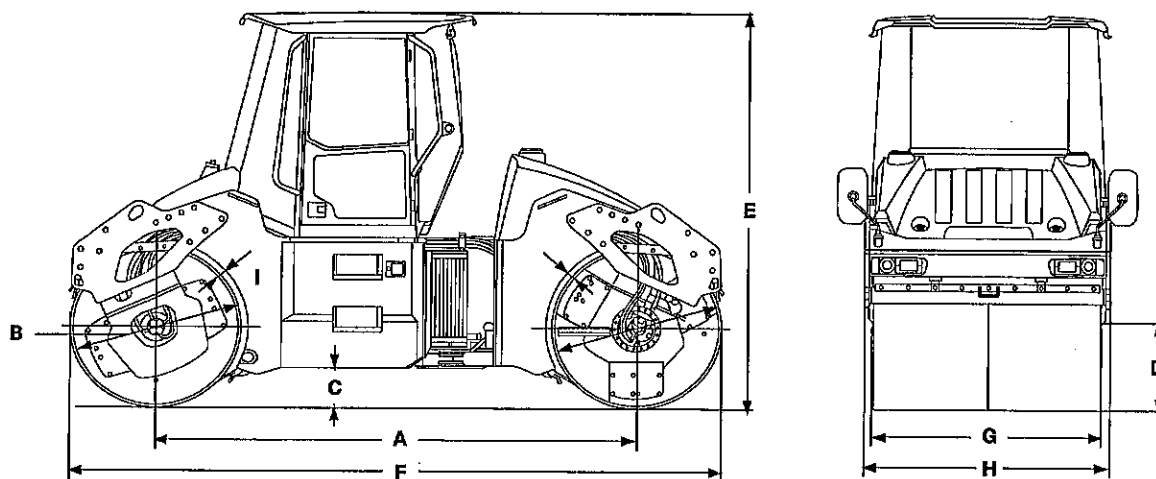
Pressurized water system
 Dual fill port water tank
 3-stage water filtration
 Water system on/off
 Water system drain
 Adjustable sprinkler volume control

VIBRATION SYSTEM

Front, rear, and dual drum vibration control modes
 Auto vibration stop in neutral
 Dual-mode vibratory system

OPTIONAL EQUIPMENT**OTHER**

Cab with heat and ventilation
 Cab air conditioning
 Radio mounting with 2 speakers and antenna – no radio
 Rotating beacon
 Right side edge cutter (45 or 60 degrees)
 Right and left side edge cutters (45 or 60 degrees)
 Tilttable scrapers – front and rear
 Infrared thermometer
 Cab mounted LED work lights
 360 degree night illumination kit
 Left hand control lever – in addition to the right hand lever
 ACE Force Intelligent Compaction
 CASE SiteWatch



Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

A. Wheelbase	11 ft 5 in (3 480 mm)
B. Drum diameter	48 in (1 220 mm)
C. Curb clearance	11.8 in (300 mm)
D. Side clearance	30.7 in (780 mm)
E. Overall height	9 ft 10 in (3 000 mm)
F. Overall length	15 ft 5 in (4 720 mm)
G. Compaction width	66 in (1 680 mm)
H. Overall width	71 in (1 800 mm)
I. Drum thickness	0.9 in (22 mm)
Drum offset	6.7 in (170 mm)

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IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



CASE Construction Equipment is biodiesel-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

Form No. CCE201712DV209DHF
 Replaces Form No. CCE201703DV209DHF

DV209D HF

Bid Item 4: Single Drum Padfoot Roller

One (1) BOMAG Model: BW211PD-5 84" Single Drum Padfoot Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Single Drum Padfoot Roller is to be complete with All Standard Equipment including Magnetic Flashing Beacon.

For full technical specifications for this bid item, see APPENDIX D.

Warranty term for this equipment (included, without additional cost) should be at least: One (1) calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade-In: Jefferson County will be trading in a used and **flood-damaged** BOMAG BW213DH-40 (SN: 901582561088) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 4: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 47-48).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 49).

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Operating weight should be at least 28,109 lbs
- ☒ Transmission: (4) Gears
- ☒ Motor: 2-wheel drive
- ☒ NA Vibration Settings: (4)
- ☒ Idle Speed Controller
- ☒ NA No grease nipples

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ ECOMODE
(adjusts the engine speed to respective power requirements to save 30% less fuel consumption)
- ☒ Warning, information and operation displays with LCD
- ☒ Loading mode
- ☒ Noise insulation
- ☒ Hydrostatic travel and vibration drive
- ☒ NA Hydrostatic articulated steering
- ☒ Articulated joint lock
- ☒ Rear axle with twin spring accumulator brakes
- ☒ No-spin differential lock
- ☒ Warning horn
- ☒ Single lever control for travel and vibration
- ☒ Seat with arm rest and adjustable for position and height
- ☒ (2) Scrapers
- ☒ Emergency STOP

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Back-up alarm
- ☒ Working lights front/rear
- ☒ Sliding window
- ☒ Battery disconnect switch

OPTIONAL EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ ROPS/FOPS with safety belt
- ☒ BOMAG ECOSTOP Feature (shuts down the engine automatically depending on temperatures, charging condition, etc.)
- ☒ Indicator and hazard lights
- ☒ Rotary beacon
- ☒ Environmentally compliant hydraulic oil
- ☒ Measuring-and-machine data interface for third-party suppliers

- Vibration Settings: CASE offers two Vibration settings.
- NO Grease Nipples. CASE and ASCO do not recommend so called "Life Time" bearings. To keep operational cost of units down we recommend greasing especially on the harsh Texas environment.
- Steering: For safety concerns CASE uses a dedicated gear pump to steer the unit. We do NOT tie in to the drive pump.
- SLIDING Window. The bid is for a open rops unit, not sure why you want a window.

Bid Item 4: Single Drum Padfoot Roller
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

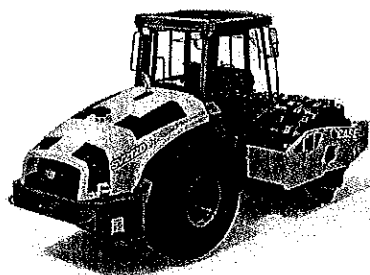
For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

CASE

CONSTRUCTION



ENGINE

Make	Deutz
Emissions Certification	Tier 4 Final
Model	TCD4.1 L4
Gross horsepower @ 2200 RPM:	154 hp (115 kW)
Max. torque @ 1800 RPM	449.2 lbf-ft (609 N-m)

DRIVETRAIN

Drive	Hydrostatic
F/R travel speed range	3+1
Working speeds	mph (kph)
1st - max.	1.6 (2.5)
2nd - max.	2.2 (3.6)
3rd - max.	3 (4.8)
Max. travel speed	8.5 (13.7)
Parking brake	Multiple-disc spring brake
Emergency brake	Multiple-disc spring brake
Variable displacement axial piston type wheel drive pump	1
Hydraulic fixed displacement wheel drive motors	2
Drive motor interlock	Yes
Hydraulic variable displacement drum drive motor	1
Gradeability w/o traction assist	54%

ELECTRICAL

Voltage	24 Volts
Battery	2 x 90 amp
Alternator	45 amp

OPERATOR ENVIRONMENT

Isolated from chassis by flexible shock absorbers; Handrail; Dual rearview mirrors; Front lighting; Instrument panel anti-vandal guard; Vinyl suspension seat w/ armrests and 3 in (76.2 mm) retractable seat belt; Exceptional front/rear visibility.

OPERATING WEIGHT

Weight - Smooth drum:	
Operating weight w/o cab	24,520 lb (11 120 kg)
Max. weight w/ cab	34,390 lb (15 600 kg)
Drum weight	11,352 lb (5 149 kg)
Static linear load	187 lb/in (33.4 kg/cm)
Tire ballast	2,250 lb (1 020 kg)

Weight - Padfoot drum:	
Operating weight w/o cab	25,860 lb (11 730 kg)
Max. weight w/ cab	31,990 lb (14 510 kg)
Tire ballast	2,250 lb (1 020 kg)

SERVICE CAPACITIES

Fuel tank	92.5 gal (350 L)
Engine oil	3.6 gal (13.5 L)
Diesel exhaust fluid tank	5.8 gal (22 L)
Engine coolant	9 gal (34 L)
Hydraulic reservoir	24.3 gal (92 L)
Transmission	2.6 qt (2.5 L)
Drive axle	2.6 qt (2.5 L)
Vibration system	7.1 qt (6.7 L)

OTHER SPECIFICATIONS

Steering:	
Pump - gear type	1
Cylinders	2
Angle - left and right	36°
Oscillation angle	10°
Inside turning radius	142.9 in (3 630 mm)
Outside turning radius	237.4 in (6 030 mm)

Vibratory system:	
Hydraulic circuit type	Closed
Variable displacement axial piston type pump	1
Fixed displacement hydraulic motor	1
Vibration modes	2
Vibration	2 eccentric weights circular pattern/continuously adjustable

Frequency:	
Low	1,920 vpm (32 Hz)
High	2,100 vpm (35 Hz)

Amplitude:	
Low	0.035 in (0.9 mm)
High	0.073 in (1.85 mm)

Centrifugal force:	
Low	35,969.4 lb (160 kN)
High	61,822.5 lb (275 kN)

Tires:	
Size	23,1x26"
Smooth drum	UK 5 Diamond
Padfoot drum	TD-01 Tractor
Tire ballast	Traction tread only

STANDARD EQUIPMENT

OTHER

ROPS and FOPS protection
Hydrostatic drive for both drum and wheels
Steel drum scrapers
Diamond tread tires
Telematics ready

SV212D

SINGLE DRUM VIBRATORY ROLLER

TIER 4 FINAL

Interwheel differential lock
Articulated chassis
Front and rear tow points
4-point lift and tie-down provision
Fan guard
Backup alarm
Halogen work lights, 2F/2R
Master disconnect switch
Spring applied, hydraulic release parking brake
3 working speeds/1 transport speed
Spin-on fuel, engine oil and hydraulic filters
Electric tilting for engine hood and cab

OPERATOR ENVIRONMENT

Lockable tool box
3 in (76.2 mm) retractable seat belt
Cup holder
Single lever speed/direction control
Emergency stop button
LCD monitor

INSTRUMENT PANEL

Steering wheel spinner knob
Horn

VIBRATION SYSTEM

Auto vibration control
Dual amplitude vibration
Dual frequency vibration

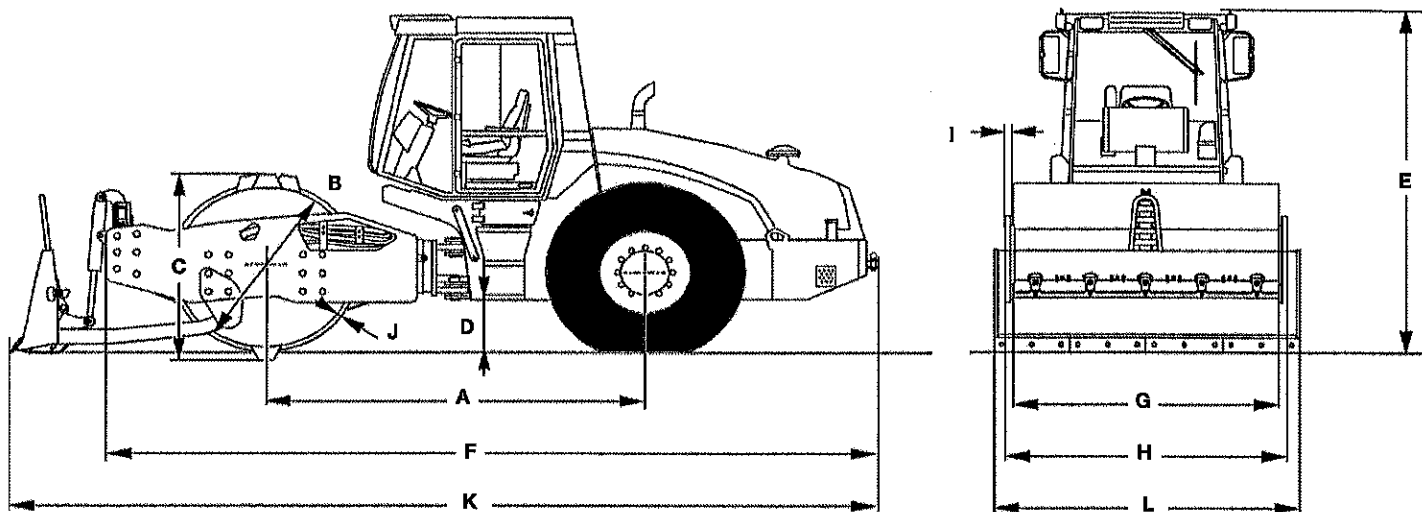
OPTIONAL EQUIPMENT

OTHER

Traction Assist Systems:
Smooth Drum with Automatic Traction Control (ATC)
Smooth Drum with Automatic Traction Control (ATC), HX Drive propulsion system and Tractor Tires ballasted
Pad Foot Drum with Automatic Traction Control (ATC) and Tractor Tires ballasted
Pad Foot Drum with Automatic Traction Control (ATC), HX Drive propulsion system and Tractor Tires ballasted
Pad Foot Drum with Leveling Blade, Automatic Traction Control (ATC), HX Drive propulsion system and Tractor Tires ballasted
Padfoot shell kit w/ scrapers
Pressurized cab with heat, ventilation, air conditioning and radio ready - antenna and 2 speakers/no radio
Engine filter pre-cleaner
ACI Eco - Analog Compaction Indicator
ACE Force Intelligent Compaction (Cab only)
ACE Force Printer (Cab only)
Extra front work lights (Smooth Drum only)
Traction Tread tires
Tire ballasting
Rotating beacon

TELEMATICS

CASE Sitewatch Telematics - Includes hardware and a 3-yr Advanced data subscription



Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

A. Wheel base	117.7 in (2 990 mm)
B. Drum diameter w/ Smooth drum	59.1 in (1 500 mm)
C. Drum diameter w/ Padfoot drum	64.6 in (1 640 mm)
D. Ground clearance	17.3 in (440 mm)
E. Overall height	120.9 in (3 070 mm)
F. Overall length	238.2 in (6 050 mm)
G. Drum width	83.9 in (2 130 mm)
H. Overall width	89 in (2 260 mm)
I. Frame extensions	4 in (1 100 mm)
J. Drum thickness	1 in (25 mm)
K. Overall length w/ blade	267.7 in (6 800 mm)
L. Overall width w/ blade	96.1 in (2 441 mm)

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IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



CASE Construction Equipment is biodiesel-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

Form No. CCE201801SV212D
Replaces form No. CCE201708SV212D

SV212D

2 of 2



ENGINE

Make	Deutz
Emissions Certification	Tier 4 Final
Model	TCD4.1 L4
Gross horsepower @ 2200 RPM:	154 hp (115 kW)
Max. torque @ 1600 RPM	449.2 lbf-ft (609 N-m)

DRIVETRAIN

Drive	Hydrostatic
F/R travel speed range	3+1
Working speeds	mph (kph)
1st - max.	1.6 (2.5)
2nd - max.	2.2 (3.6)
3rd - max.	3 (4.8)
Max. travel speed	8.5 (13.7)
Parking brake	Multiple-disc spring brake
Emergency brake	Multiple-disc spring brake
Variable displacement axial piston type wheel drive pump	1
Hydraulic fixed displacement wheel drive motors	2
Drive motor interlock	Yes
Hydraulic variable displacement drum drive motor	1
Gradeability w/o traction assist	54%

ELECTRICAL

Voltage	24 Volts
Battery	2 x 90 amp
Alternator	45 amp

OPERATOR ENVIRONMENT

Isolated from chassis by flexible shock absorbers; Handrail; Dual rearview mirrors; Front lighting; Instrument panel anti-vandal guard; Vinyl suspension seat w/ armrests and 3 in (76.2 mm) retractable seat belt; Exceptional front/rear visibility.

OPERATING WEIGHT

Weight - Smooth drum:	
Operating weight w/o cab	24,520 lb (11 120 kg)
Max. weight w/ cab	34,390 lb (15 600 kg)
Drum weight	11,352 lb (5 149 kg)
Static linear load	187 lb/in (33.4 kg/cm)
Tire ballast	2,250 lb (1 020 kg)

Weight - Padfoot drum:	
Operating weight w/o cab	25,860 lb (11 730 kg)
Max. weight w/ cab	31,990 lb (14 510 kg)
Tire ballast	2,250 lb (1 020 kg)

SERVICE CAPACITIES

Fuel tank	92.5 gal (350 L)
Engine oil	3.6 gal (13.5 L)
Diesel exhaust fluid tank	5.8 gal (22 L)
Engine coolant	9 gal (34 L)
Hydraulic reservoir	24.3 gal (92 L)
Transmission	2.6 qt (2.5 L)
Drive axle	2.6 qt (2.5 L)
Vibration system	7.1 qt (6.7 L)

OTHER SPECIFICATIONS

Steering:	
Pump - gear type	1
Cylinders	2
Angle - left and right	36°
Oscillation angle	10°
Inside turning radius	142.9 in (3 630 mm)
Outside turning radius	237.4 in (6 030 mm)

Vibratory system:	
Hydraulic circuit type	Closed
Variable displacement axial piston type pump	1
Fixed displacement hydraulic motor	1
Vibration modes	2
Vibration	2 eccentric weights circular pattern/continuously adjustable

Frequency:	
Low	1,920 vpm (32 Hz)
High	2,100 vpm (35 Hz)
Amplitude:	
Low	0.035 in (0.9 mm)
High	0.073 in (1.85 mm)
Centrifugal force:	
Low	35,969.4 lb (160 kN)
High	61,822.5 lb (275 kN)

Tires:	
Size	23,1x28"
Smooth drum	UK 5 Diamond
Padfoot drum	TD-01 Tractor
Tire ballast	Traction tread only

STANDARD EQUIPMENT

OTHER

ROPS and FOPS protection
Hydrostatic drive for both drum and wheels
Steel drum scrapers
Diamond tread tires
Telematics ready

SV212D

SINGLE DRUM VIBRATORY ROLLER

TIER 4 FINAL

Interwheel differential lock
Articulated chassis
Front and rear tow points
4-point lift and tie-down provision
Fan guard
Backup alarm
Halogen work lights, 2F/2R
Master disconnect switch
Spring applied, hydraulic release parking brake
3 working speeds/1 transport speed
Spin-on fuel, engine oil and hydraulic filters
Electric tilting for engine hood and cab

OPERATOR ENVIRONMENT

Lockable tool box
3 in (76.2 mm) retractable seat belt
Cup holder
Single lever speed/direction control
Emergency stop button
LCD monitor

INSTRUMENT PANEL

Steering wheel spinner knob
Horn

VIBRATION SYSTEM

Auto vibration control
Dual amplitude vibration
Dual frequency vibration

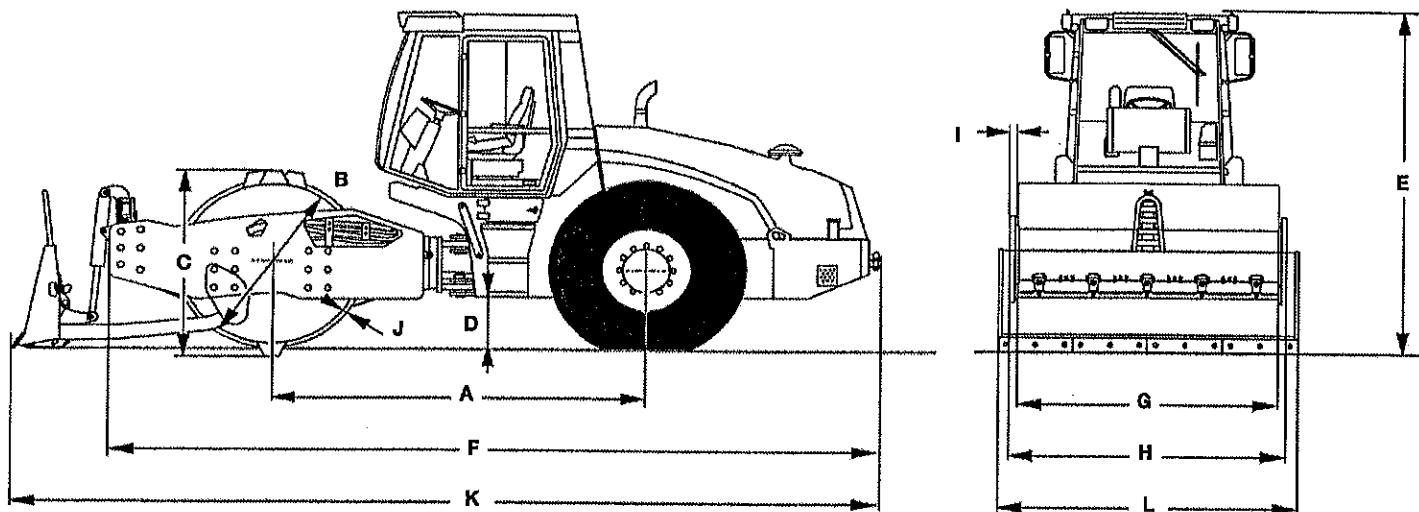
OPTIONAL EQUIPMENT

OTHER

Traction Assist Systems:
Smooth Drum with Automatic Traction Control (ATC)
Smooth Drum with Automatic Traction Control (ATC), HX Drive propulsion system and Tractor Tires ballasted
Pad Foot Drum with Automatic Traction Control (ATC) and Tractor Tires ballasted
Pad Foot Drum with Automatic Traction Control (ATC), HX Drive propulsion system and Tractor Tires ballasted
Pad Foot Drum with Levelling Blade, Automatic Traction Control (ATC), HX Drive propulsion system and Tractor Tires ballasted
Padfoot shell kit w/ scrapers
Pressurized cab with heat, ventilation, air conditioning and radio ready - antenna and 2 speakers/no radio
Engine filter pre-cleaner
ACI Eco - Analog Compaction Indicator
ACE Force Intelligent Compaction (Cab only)
ACE Force Printer (Cab only)
Extra front work lights (Smooth Drum only)
Traction Tread tires
Tire ballasting
Rotating beacon

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B. Drum diameter w/ Smooth drum	59.1 in (1 500 mm)
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D. Ground clearance	17.3 in (440 mm)
E. Overall height	120.9 in (3 070 mm)
F. Overall length	238.2 in (6 050 mm)
G. Drum width	83.9 in (2 130 mm)
H. Overall width	89 in (2 260 mm)
I. Frame extensions	4 in (1 100 mm)
J. Drum thickness	1 in (25 mm)
K. Overall length w/ blade	267.7 in (6 800 mm)
L. Overall width w/ blade	96.1 in (2 441 mm)

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Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

Form No. CCE201801SV212D
Replaces form No. CCE201708SV212D

SV212D

Bid Item 5: Utility Tractor

One (1) John Deere 5065E Utility Tractor OOS 4WD or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

For full technical specifications for this bid item, see APPENDIX E.

Warranty term for this equipment: Warranty term for this equipment (included without additional cost) should be at least: (2) two calendar years/or 2,000 hours from the date of delivery of equipment or whichever comes first, with the warranty to cover powertrain and components as described below in Paragraphs A & B.

A. WHAT IS WARRANTED – Subject to Paragraph B, all parts of any new Equipment are to be warranted for the time period or number of operating hours as specified. Included In 5E Series Tractor and Compact Utility Tractor Powertrain Warranty- Engine: cylinder block, cylinder head, valve covers, oil pan, emissions control components, timing gear covers, flywheel housing, and all parts contained therein. Powertrain: transmission, transmission case, differential and axle housings, clutch housings, MFWD front axle assembly, and all parts contained therein (does not include external drivelines, dry clutch parts, or steering cylinders). SWEEPS, SHOVELS, PLOWSHARES, AND DISK BLADES: A replacement part will be furnished without charge if breakage occurs and the amount of wear is less than the wear limits established by the Manufacturer.

B. ITEMS COVERED SEPARATELY- (1) Tires, rubber tracks and batteries; When applicable, a separate emissions warranty statement will be provided by Selling Dealer.

Trade-In: Jefferson County will be trading in a used and **flood-damaged** Ford 5000 Tractor towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 5: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Page 51).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 5: Utility Tractor TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write “N/A” in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 52).

Bid Item 5: Utility Tractor TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☐ 12F/12R PowrReverser Transmission – 540/540E (PR)
- ☐ 540 economy PTO
- ☐ Less Loader Prep Package
- ☐ Open Operator Station
- ☐ Duel Mid Valves with Joystick Control
- ☐ 16.9 – 28 in. 6PR R1 Bias
- ☐ Mechanical Front Wheel Drive (MFWD)
- ☐ 9.5 – 24 in. 6PR R1 Bias
- ☐ Engine: John Deere PowerTech 3029
- ☐ Engine – Aspiration: Turbocharged
- ☐ Engine – Cylinders liners: Wet sleeved
- ☐ Engine – Displacement: 3 cylinders: 2.9 L, 179 cu. in.
- ☐ Engine Performance – Rated Power: At 2100 rpm: 49.9 kW, 67 hp
- ☐ Engine Performance – Rated PTO power (hp SAE): At 2100 rpm: 36.5 kw, 49 PTO hp
- ☐ Final Tier 4-compliant PowerTech engine; provides improved visibility – a smaller, more efficient after-treatment device provides more space under the hood.
- ☐ Diesel oxidation catalyst (DOC/diesel particulate filter (DPF) system.
- ☐ Exhaust filter cleaning switch
- ☐ Hand throttle: located on the right-hand console

Bid Item 5: Utility Tractor
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

[illegible]

Bidder Information Form

Instructions: Complete the form below. Please provide legible, accurate, and complete contact information. PLEASE PRINT.

Bid Name & Number: (IFB 18-013/JW),
 Re-bid Heavy Equipment for Jefferson County Precinct No. 3
 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

Bidder's Company/Business Name: ASCO

Bidder's TAX ID Number: 17513864102

Contact Person: JAMIE WINKLER **Title:** SALES MANAGER

Phone Number (with area code): 281-627-1714

Alternate Phone Number if available (with area code): _____

Fax Number (with area code): _____

Email Address: JWINKLER@ASCOEQ.COM

Mailing Address (Please provide a physical address for bid bond return, if applicable):

5980 S. M.L. King JR PKWY

Address

BEAUMONT TX 77705

City, State, Zip Code

OFFER AND ACCEPTANCE FORM OFFER TO CONTRACT

Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

To Jefferson County:

We hereby offer and agree to furnish the materials or service in compliance with all terms, conditions, specifications, and amendments in the Invitation for Bid and any written exceptions in the offer. We understand that the items in this Invitation for Bid, including, but not limited to, all required certificates are fully incorporated herein as a material and necessary part of the contract.

The undersigned hereby states, under penalty of perjury, that all information provided is true, accurate, and complete, and states that he/she has the authority to submit this bid, which will result in a binding contract if accepted by Jefferson County.

We acknowledge receipt of the following amendment(s): #1, #2, _____, _____.

I certify, under penalty of perjury, that I have the legal authorization to bind the firm hereunder:

ASCO
Company Name

For clarification of this offer, contact:

5980 S. ML King PKWY JAMIE WINKLER
Address Name

BEAUMONT TX 77705 281-627-1714
City State Zip Phone Fax

JAMIE WINKLER
Signature of Person Authorized to Sign

JWINKLER @ ASCOE@Q.COM
E-mail

JAMIE WINKLER
Printed Name

SALES MANAGER
Title

Bidder Shall Return Completed Form with Offer.

Acceptance of Offer

HEAVY EQUIPMENT FOR JEFFERSON COUNTY PRECINCT NO. 3 (TO REPLACE UNREPAIRABLE EQUIPMENT DAMAGED BY HURRICANE HARVEY)

The Contractor is now bound to sell the materials or services listed by the attached contract and based upon the Invitation for Bid, including all terms, conditions, specifications, amendments, etc., and the Contractor's Offer as accepted by Jefferson County.

This contract shall henceforth be referred to as Contract No. 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey). The Contractor has not been authorized to commence any billable work or to provide any material or service under this contract until Contractor receives a purchase order and/or a notice to proceed from the Jefferson County Purchasing Agent.

Countersigned:

Jeff R. Branick
County Judge

Date

Attest:

Carolyn L. Guidry
County Clerk

Bidder Shall Return Completed Form with Offer.

Bid Form

Bid Item 1 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX A**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 1: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 22-36).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
1	Mustang CAT Model 120M2 Motor Grader or Equivalent	\$ <u>223,182.⁰⁰</u>
		Trade-In Value
Trade-In Value for used & flood-damaged: 1998 Champion Motor Grader Model 710 A		\$ <u>6,000.⁰⁰</u>
Total Bid Price (Minus Trade-In Value) \$ <u>217,182.⁰⁰</u>		
Projected Delivery Lead Time from Date of Purchase:		<u>4</u> weeks
Equivalent Item Description (Make & Model) for Item No. 1: <u>CASE 885B</u>		

Bid Form

Bid Item 2 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX B**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 2: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 39-40).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
2	BOMAG Model BW11RH-5 Pneumatic Roller or Equivalent	\$ <u>91,673.00</u>
		Trade-In Value
Trade-In Value for used & flood-damaged: Dynapac CP142 (SN: 1000-500C0B000882)		\$ <u>5,000.00</u>
Total Bid Price (Minus Trade-In Value) \$ <u>86,673.00</u>		
Projected Delivery Lead Time from Date of Purchase:		<u>4-6</u> weeks
Equivalent Item Description (Make & Model) for Item No. 2: <u>Rosco Tru-Pac 915B Roller</u>		

Bid Form

Bid Item 3 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX C**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 3: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 43-44).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
3	BOMAG Model BW161AD-5 Vibratory Tandem Roller or Equivalent	\$ <u>119,853.⁰⁰</u>
		Trade-In Value
Trade-In Value for used & flood-damaged: CAT CB534-C (SN: 5HN00552)		\$ <u>4,000.⁰⁰</u>
Total Bid Price (Minus Trade-In Value) \$ <u>115,853.⁰⁰</u>		
Projected Delivery Lead Time from Date of Purchase:		<u>4</u> weeks
Equivalent Item Description (Make & Model) for Item No. 3: <u>CASE DV209D HF</u>		

Bid Form

Bid Item 4 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX D**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but **MUST** attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, **MUST** attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 4: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 47-48).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical specifications checklist form for **EACH ITEM BID**. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
4	BOMAG Model BW211PD-5 84" Single Drum Padfoot Roller or Equivalent	\$ <u>110,000.00</u>
		Trade-In Value
Trade-In Value for used & flood-damaged: BOMAG BW213DH-40 (SN: 901582561088)		\$ <u>11,000.00</u>
Total Bid Price (Minus Trade-In Value) \$ <u>99,000.00</u>		
Projected Delivery Lead Time from Date of Purchase:		<u>6</u> weeks
Equivalent Item Description (Make & Model) for Item No. 4: <u>CASE SV212 84" single Drum Padfoot Roller</u>		

Bid Form (Continued)

Bid Item 5: IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX E**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 5: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Page 51).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
5	John Deere 5065E Utility Tractor OOS 4WD or Equivalent	\$ <u>No Bid</u>
		Trade-In Value
Trade-In Value for used & flood-damaged: Ford 5000 Tractor		\$ _____ . ____
Total Bid Price (Minus Trade-In Value) \$ _____ . ____		
Projected Delivery Lead Time from Date of Purchase:		_____ weeks
Equivalent Item Description (Make & Model) for Item No. 5: _____		

Bid Form – Acknowledgement of Addenda

Acknowledgment of Addenda (if any):

Addendum 1 ✓ Date Received 6-12-18
Addendum 2 ✓ Date Received 6-14-18
Addendum 3 _____ Date Received _____

Bidder Shall Return Completed Form with Offer.

Vendor References

Please list at least three (3) companies or governmental agencies (preferably a municipality) where the same or similar products and/or services as contained in this specification package were recently provided.

THIS FORM MUST BE RETURNED WITH YOUR BID.

REFERENCE ONE

Government/Company Name: Jefferson County Drainage District 6
 Address: 6550 Walden Road Beaumont, TX 77707
 Contact Person and Title: Steve Hubert
 Phone: (409) 658 0761 Fax: _____
 Email Address: shhubert@jcdde.org Contract Period: _____
 Scope of Work: _____

REFERENCE TWO

Government/Company Name: Hardin County Pct 2
 Address: _____
 Contact Person and Title: Commissioner Chris Kirkendall
 Phone: 409 246 3972 Fax: 409 246 4977
 Email Address: Chris.Kirkendall@co.hardin.tx.us Contract Period: _____
 Scope of Work: _____

REFERENCE THREE

Government/Company Name: Newton County Pct 3
 Address: _____
 Contact Person and Title: Commissioner Gary Fomby
 Phone: 409 565 4015 Fax: 409 565 4015
 Email Address: gary.fomby@co.newton.tx.us Contract Period: _____
 Scope of Work: _____

Bidder Shall Return Completed Form with Offer.

Signature Page

As permitted under Article 4413 (32c) V.A.C.S., other governmental entities may wish to participate under the same terms and conditions contained in this contract (i.e., piggyback). In the event any other entity participates, all purchase orders will be issued directly from and shipped directly to the entity requiring supplies/services. Jefferson County shall not be held responsible for any orders placed, deliveries made or payment for supplies/services ordered by another entity. Each entity reserves the right to determine their participation in this contract.

Would bidder be willing to allow other governmental entities to piggyback off this contract, if awarded, under the same terms and conditions?..... Yes ☒ No ☐

This bid shall remain in effect for ninety (90) days from bid opening and shall be exclusive of federal excise and state and local sales tax (exempt).

The undersigned agrees, if this bid is accepted, to furnish any and all items upon which prices are offered, at the price and upon the terms and conditions contained in the Invitation for Bid, Conditions of Bidding, Terms of Contract, and Specifications and all other items made a part of the accepted contract.

The undersigned affirms that they are duly authorized to execute the contract, that this company, corporation, firm, partnership or individual has not prepared this bid in collusion with any other bidder, and that the contents of this bid as to prices, terms or conditions of said bid have not been communicated by the undersigned nor by any employee or agent to any other bidder or to any other person(s) engaged in this type of business prior to the official opening of this bid. And further, that neither the bidder nor their employees nor agents have been for the past six (6) months directly nor indirectly concerned in any pool or agreement or combination to control the price of goods or services on, nor to influence any person to bid or not to bid thereon.

ASCO

Bidder (Entity Name)

5980 S. ML KIRK PKWY

Street & Mailing Address

BEAUMONT TX 77705

City, State & Zip

281-627-1714

Telephone Number

JWINKLER @ ASCO EQ.COM

E-mail Address

Jamie Winkler

Signature

JAMIE WINKLER

Print Name

6-14-18

Date Signed

Fax Number

Bidder Shall Return Completed Form with Offer.

Conflict of Interest Questionnaire

CONFLICT OF INTEREST QUESTIONNAIRE For vendor doing business with local governmental entity		FORM CIQ
<p>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</p> <p>This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).</p> <p>By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.</p> <p>A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.</p>	<div style="border: 1px solid black; padding: 2px; text-align: center; font-weight: bold;">OFFICE USE ONLY</div> <div style="border: 1px solid black; padding: 2px;">Date Received</div>	
<p>1 Name of vendor who has a business relationship with local governmental entity.</p> <p style="font-size: 1.5em; text-align: center;"><i>ASCO</i></p>		
<p>2 <input type="checkbox"/> Check this box if you are filing an update to a previously filed questionnaire.</p> <p style="font-size: 0.8em;">(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)</p>		
<p>3 Name of local government officer about whom the information in this section is being disclosed.</p> <p style="text-align: center; border-bottom: 1px solid black; margin: 10px 0;">Name of Officer</p> <p style="font-size: 0.8em;">This section (Item 3 including subparts A, B, C, & D) must be completed for each officer with whom the vendor has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach additional pages to this Form CIQ as necessary.</p> <p>A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the vendor?</p> <p style="text-align: center;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </p> <p>B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer named in this section AND the taxable income is not received from the local governmental entity?</p> <p style="text-align: center;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </p> <p>C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more?</p> <p style="text-align: center;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </p> <p>D. Describe each employment or business and family relationship with the local government officer named in this section.</p>		
<p>4</p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="width: 45%;"> <p style="font-size: 1.2em; text-align: center;"><i>Janie Winkler</i></p> <p style="font-size: 0.8em;">Signature of vendor doing business with the governmental entity</p> </div> <div style="width: 45%; text-align: right;"> <p style="font-size: 1.5em;"><i>6-14-18</i></p> <p style="font-size: 0.8em;">Date</p> </div> </div>		

Bidder Shall Return Completed Form with Offer.

Adopted 9/7/2015

Local Government Officer Conflicts Disclosure Statement - OFFICE USE ONLY

LOCAL GOVERNMENT OFFICER CONFLICTS DISCLOSURE STATEMENT		FORM CIS
<p>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</p> <p>This is the notice to the appropriate local governmental entity that the following local government officer has become aware of facts that require the officer to file this statement in accordance with Chapter 176, Local Government Code.</p>		<div style="border: 1px solid black; padding: 2px; text-align: center; font-weight: bold;">OFFICE USE ONLY</div> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;">Date Received</div>
1	Name of Local Government Officer	
2	Office Held	
3	Name of vendor described by Sections 176.001(7) and 176.003(a), Local Government Code	
4	Description of the nature and extent of employment or other business relationship with vendor named in Item 3	
5	<p>List gifts accepted by the local government officer and any family member, if aggregate value of the gifts accepted from vendor named in item 3 exceeds \$100 during the 12-month period described by Section 176.003(a)(2)(B).</p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p style="text-align: center;">(attach additional forms as necessary)</p>	
6	<p>AFFIDAVIT</p> <p style="text-align: center;">I swear under penalty of perjury that the above statement is true and correct. I acknowledge that the disclosure applies to each family member (as defined by Section 176.001(2), Local Government Code) of this local government officer. I also acknowledge that this statement covers the 12-month period described by Section 176.003(a)(2)(B), Local Government Code.</p> <p style="text-align: right; margin-right: 100px;">_____ Signature of Local Government Officer</p> <p>ATTACH NOTARY STAMP / SEAL ABOVE</p> <p>Sworn to and subscribed before me, by the said _____, this the _____ day of _____, 20_____, to certify which, witness my hand and seal of office.</p> <p style="margin-top: 20px;"> _____ Signature of officer administering oath Printed name of officer administering oath Title of officer administering oath </p>	

Adopted 8/7/2015

Good Faith Effort (GFE) Determination Checklist

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).
☐ Yes ☒ No

Instructions: In order to determine if a "Good Faith Effort" was made in soliciting HUBs for subcontracting opportunities, the following checklist and supporting documentation shall be completed by the Prime Contractor/Consultant, and returned with the Prime Contractor/ Consultant's bid. This list contains the **minimum** efforts that should be put forth by the Prime Contractor/Consultant when attempting to achieve or exceed the goals of HUB Subcontractor participation. The Prime Contractor/Consultant may extend his/her efforts in soliciting HUB Subcontractor participation beyond what is listed below.

Did the Prime Contractor/Consultant . . .

- ☒ Yes ☐ No 1. To the extent practical, and consistent with standard and prudent industry standards, divide the contract work into the smallest feasible portions, to allow for maximum HUB Subcontractor participation?
- ☐ Yes ☐ No 2. **Notify** in writing a reasonable number of HUBs, allowing sufficient time for effective participation of the planned work to be subcontracted?
- ☐ Yes ☐ No 3. **Provide** HUBs that were genuinely interested in bidding on a subcontractor, adequate information regarding the project (i.e., plans, specifications, scope of work, bonding and insurance requirements, and a point of contact within the Prime Contractor/Consultant's organization)?
- ☐ Yes ☐ No 4. **Negotiate** in good faith with interested HUBs, and not reject bids from HUBs that qualify as lowest and responsive bidders?
- ☐ Yes ☐ No 5. **Document** reasons HUBs were rejected? Was a written rejection notice, including the reason for rejection, provided to the rejected HUBs?
- ☐ Yes ☐ No 6. If Prime Contractor/Consultant has zero (0) HUB participation, **please explain the reasons why.**

If "No" was selected, please explain and include any pertinent documentation with your bid.

If necessary, please use a separate sheet to answer the above questions.

Tamie Winkler
 Printed Name of Authorized Representative

Tamie Winkler
 Signature

Sales MANAGER
 Title

6-14-18
 Date

Bidder Shall Return Completed Form with Offer.

Notice of Intent (NOI) to Subcontract with Historically Underutilized Business (HUB)

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).

☐ Yes ☒ No

Instructions for Prime Contractor/Consultant: Bidder shall submit this form with the bid; however, the information below may be submitted after contract award, but prior to beginning performance on the contract. Please submit one form for each HUB Subcontractor/Subconsultant with proper signatures, per the terms and conditions of your contract.

Contractor Name: _____ HUB: ☐ Yes ☐ No

Address: _____

Street	City	State	Zip
--------	------	-------	-----

Phone (with area code): _____ Fax (with area code): _____

Project Title & No.: _____

Prime Contract Amount: \$

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity): _____

Certifying Agency: ☐ Tx. Bldg & Procurement Comm. ☐ Jefferson County ☐ Tx Unified Certification Prog.

Address: _____

Street	City	State	Zip
_____	_____	_____	_____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$_____ Percentage of Prime Contract: %

Description of Subcontract Work to be Performed: _____

Printed Name of Contractor Representative

Signature of Representative

Date _____

Printed Name of HUB

Signature of Representative

Date _____

NOTE: NOTHING ON THIS NOTICE OF INTENT FORM IS INTENDED TO CONFER ANY RIGHTS, EXPRESSED OR IMPLIED, TO ANY THIRD PARTIES.

Pre-Approval for Subcontractor Substitutions must be obtained from the Jefferson County Purchasing Agent's Representative. The "HUB Subcontractor/Subconsultant Change Form" must be completed and faxed to 409-835-8456.

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 1 OF 4

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).
☐ Yes ☒ No

☐ Yes ☒ No

Prime Contractor: _____ HUB: ☐ Yes ☐ No

HUB Status (Gender & Ethnicity): _____

Address: _____

Street	City	State	Zip

Phone (with area code): _____ Fax (with area code): _____

Project Title & No.: _____ IFB/RFP No.: _____

Total Contract: \$ _____ Total HUB Subcontract(s): \$ _____

Construction HUB Goals: 12.8% MBE:: _____ % 12.6% WBE: _____ %

Sub-goals: 1.7 African-American, 9.7% Hispanic, 0.7% Native American, 0.8% Asian American.
Use these goals as a guide to diversify.

FOR HUB OFFICE USE ONLY:

Verification date HUB Program Office reviewed and verified HUB Sub information Date: _____ Initials: _____

PART I. HUB SUBCONTRACTOR DISCLOSURE

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity): _____

Certifying Agency: ☐ Texas Bldg & Procurement Comm. ☐ Texas Unified Certification Prog.

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$_____ Percentage of Prime Contract: %

Description of Subcontract Work to be Performed: _____

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 2 OF 4

HUB SUBCONTRACTOR DISCLOSURE

PART I: Continuation Sheet

(Duplicate as Needed)

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity): _____

Certifying Agency: ☐ Tx. Bldg & Procurement Comm. ☐ Jefferson County ☐ Tx Unified Certification Prog.

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity): _____

Certifying Agency: ☐ Tx. Bldg & Procurement Comm. ☐ Jefferson County ☐ Tx Unified Certification Prog.

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

All HUB Subcontractor Participation may be verified with the HUB Subcontractor(s) listed on Part I.

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 3 OF 4

PART II: STATEMENT OF NON-COMPLIANCE FOR NOT MEETING HUB SUBCONTRACTING GOALS

Please complete Good Faith Effort (GFE) Checklist and attach any supporting documentation.

Our firm was unable to meet the HUB goals for this project for the following reasons:

- ☐ All subcontractors to be utilized are "Non-HUBs." (Complete Part III)
- ☐ HUBs were solicited but did not respond.
- ☐ HUBs solicited were not competitive.
- ☐ HUBs were unavailable for the following trade(s):
- ☐ Other:

Was the Jefferson County HUB Office contacted for assistance in locating HUBs? ☐ Yes ☐ No

PART III: DISCLOSURE OF OTHER "NON-HUB" SUBCONTRACTS

The bidder shall use this area to provide a listing of all "Non-HUB" Subcontractors, including suppliers, that will perform under this project. A list of those "Non-HUB" Subcontractors the bidder selects, after bid submission, shall be provided to the Purchasing Office not later than five (5) calendar days after being notified that bidder is the apparent low bidder. A list of those "Non-HUB" Subcontractors that are selected after contract award must be provided **immediately** after their selection.

Subcontractor Name: _____

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

Subcontractor Name: _____

Address: _____

Street City State Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 4 OF 4

Subcontractor Name: _____

Address: _____

Street City State Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

Subcontractor Name: _____

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

I hereby certify that I have read the *HUB Program Instructions and Information*, truthfully completed all applicable parts of this form, and **attached any necessary support documentation as required**. I fully understand that intentionally falsifying information on this document may result in my not receiving a contract award or termination of any resulting contract.

Name (print or type): _____

Title: _____

Signature: _____

Date: _____

E-mail address:

Contact person that will be in charge of invoicing for this project:

Name (print or type): _____

Title: _____

Date: _____

E-mail address:

Bidder Shall Return Completed Form with Offer.

Residence Certification/Tax Form

Pursuant to Texas Government Code §2252.001 *et seq.*, as amended, Jefferson County requests Resident Certification. §2252.001 *et seq.* of the Government Code provides some restrictions on the awarding of governmental contracts; pertinent provisions of §2252.001 are stated below:

- (3) "Nonresident bidder" refers to a person who is not a resident.
- (4) "Resident bidder" refers to a person whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.

☒ I certify that ASCO [company name] is a Resident Bidder of Texas as defined in Government Code §2252.001.

☐ I certify that _____ [company name] is a Nonresident Bidder as defined in Government Code §2252.001 and our principal place of business is _____ (city and state).

Taxpayer Identification Number (T.I.N.):	
Company Name submitting bid/proposal:	<u>ASCO</u>
Mailing address:	<u>2102 EAST SLASON ROAD Lubbock TX 79404</u>
If you are an individual, list the names and addresses of any partnership of which you are a general partner:	

Property: List all taxable property owned by you or above partnerships in Jefferson County.

Jefferson County Tax Acct. No.*	Property address or location**

* This is the property amount identification number assigned by the Jefferson County Appraisal District.

** For real property, specify the property address or legal description. For business property, specify the address where the property is located. For example, office equipment will normally be at your office, but inventory may be stored as a warehouse or other location.

Bidder Shall Return Completed Form with Offer.

Bid Affidavit

The undersigned certifies that the bid prices contained in this bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all commodities upon which prices are extended at the price offered, and upon the conditions contained in the specifications and the Notice to Bidders.

STATE OF TEXAS COUNTY OF HARRIS

BEFORE ME, the undersigned authority, a Notary Public in and for the State of TEXAS,

on this day personally appeared JAMIE WINKLER, who
(name)

after being by me duly sworn, did depose and say:

"I, JAMIE WINKLER am a duly authorized officer of/agent
(name)

for ASCO INC. and have been duly authorized to execute the
(name of firm)

foregoing on behalf of the said ASCO INC.
(name of firm)

I hereby certify that the foregoing bid has not been prepared in collusion with any other bidder or other person or persons engaged in the same line of business prior to the official opening of this bid. Further, I certify that the bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities bid on, or to influence any person or persons to bid or not to bid thereon."

Name and address of bidder: ASCO
2102 East Station Road Lubbock TX 79404

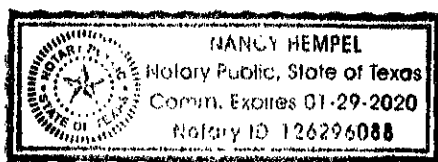
Fax: _____ Telephone# 81-627-1714

by: JAMIE WINKLER Title: SALES MANAGER
(print name)

Signature: JAMIE WINKLER

SUBSCRIBED AND SWORN to before me by the above-named JAMIE WINKLER on

this the 18th day of June 2018.



Nancy Hempel
Notary Public in and for
the State of Texas

Bidder Shall Return Completed Form with Offer.

Tractor Series	5045E	5055E	5065E	5075E	5085E	5100E
2WD Dimensions						
Wheelbase, in. (mm)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	---	---
Overall length (minimum)	137.8 in.	137.8 in.	137.8 in.	137.8 in.	---	---
Overall width, rear axle b/w flanges	57.3 in.	57.3 in.	57.3 in.	57.3 in.	---	---
MFWD Dimensions						
Wheelbase, in. (mm)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	92.5 (2,350)	92.5 (2,350)
Overall length (minimum) ¹	137.8 in.	137.8 in.	137.8 in.	137.8 in.	159.13 in.	159.13 in.
Overall width, rear axle b/w flanges	57.3 in.	57.3 in.	57.3 in.	57.3 in.	57.2 in.	57.2 in.
Height from ground						
To top of hood	63.5 in.	64.8 in.	66.2 in.	66.9 in.	70.6 in.	70.6 in.
To top of ROPS	94.4 in.	96.4 in.	98.4 in.	98.4 in.	101.1 in.	101.1 in.
To top of folded ROPS	75.8 in.	77.1 in.	78.5 in.	78.5 in.	79.6 in.	79.6 in.
To top of Cab	---	94.3 in.	95.6 in.	97 in.	102.4 in.	102.4 in.
Front Axle Clearance 2WD in. (mm),	18.8 (480)	18.8 (480)	18.8 (480)	18.8 (480)	---	---
Front Axle Clearance MFWD OOS in. (mm),	13.4 (340)	13.4 (340)	13.4 (340)	13.4 (340)	17.0 (432)	17.0 (432)
Front Axle Clearance MFWD Cab in. (mm)	---	13.4 (340)	13.4 (340)	13.4 (340)	15.2 (386)	15.2 (386)
Standard Tires—2WD						
Front	7.5 - 16; F2	7.5 - 16; F2	7.5 - 16; F2	7.5 - 16; F2	---	---
Rear	13.6 - 28; R1	14.9 - 28; R1	16.9 - 28; R1	16.9 - 28; R1	---	---
Standard Tires—MFWD						
Front	9.5 - 24; R1	9.5 - 24; R1	9.5 - 24; R1	9.5 - 24; R1	12.4-24; R1	12.4 - 24; R1
Rear	13.6 - 28; R1	14.9 - 28; R1	16.9 - 28; R1	16.9 - 28; R1	18.4-30; R1	18.4 - 30; R1
Weight						
Approx Weight, lb (kg), 2WD	4,414 (2,002)	4,524 (2,052)	4,634 (2,102)	4,634 (2,102)	---	---
Approx Weight, lb (kg), MFWD OOS	5,401 (2,450)	5,511 (2,500)	5,621 (2,550)	5,732 (2,600)	7,275 (3,300)	7,275 (3,300)
Approx Weight, lb (kg) MFWD Cab	---	7,054 (3,200)	7,165 (3,250)	7,275 (3,300)	8,150 (3,700)	8,150 (3,700)
Turn Radius²						
With brakes	10.2 ft.	10.2 ft.	10.2 ft.	10.2 ft.	11.6 ft.	11.6 ft.
Without brakes	11.5 ft.	11.5 ft.	11.5 ft.	11.5 ft.	14.3 ft.	14.3 ft.

¹Front weight support extends past the front wheels. ²With 4-wheel drive disengaged, where applicable.

Get peace of mind with PowerGuard™

Protect your investment and increase your confidence in purchasing a high-quality John Deere tractor through John Deere PowerGuard™ Programs.

The PowerGuard™ Maintenance Program is an effective, preventative maintenance program designed to make sure your tractor operates at peak performance, offers exceptional reliability and maintains top residual value.

*PowerGuard Protection Plan extended warranty covers failures due to defective materials or original workmanship of covered components for up to 3 years or 3,000 hours (whichever comes first). Customers have a choice between either the Limited (engine & powertrain) coverage form or the Comprehensive (full-machine) coverage form. See your dealer, www.deere.com or www.johndeere.ca/PowerGuard for details.



5 Series Utility Tractors | Specifications

Tractor Series		5045E	5055E	5085E	5100E
Engine HP (kW) @ Rated Speed*		50 (37.4) @ 2100	59 (44.4) @ 2100	73 (55.0) @ 2100	85 (62.5) @ 2400
PTO HP (kW) @ Rtd RPM**		37 (27.6) @ 2100	41 (30.6) @ 2100	57 (43) @ 2100	65 (48.3) @ 2400
Engine		John Deere PowerTech 3029	John Deere PowerTech 3029	John Deere PowerTech 3029	John Deere PowerTech 4045
Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged
Cylinders		3	3	4	4
Displacement, cu. in. (liters)		179 (2.9)	179 (2.9)	276 (4.5)	276 (4.5)
Cylinder Liners		Wet Sleeved	Wet Sleeved	Wet Sleeved	Wet Sleeved
Transmission		9F/3R SyncShuttle	9F/3R SyncShuttle	12F/12R PowrReverser	12F/12R PowrReverser
Standard		---	12F/12R PowrReverser	12F/12R PowrReverser	24F/12R PowrReverser
Optional		No	No	Yes	Yes
Reverse		Partial	Partial	Partial	Partial
On-the-Go Shifting (Yes/No/Partial)		Partial	Partial	Partial	Partial
Traction Clutch - Standard/Option		Dry	Dry/Wet (12F/12R PowrReverser)	Dry/Wet (12F/12R PowrReverser)	Wet
Fuel System					
Fuel Tank OOS - Gal. (L)		18.0 (68.0)	18.0 (68.0)	30 (114)	30 (114)
Fuel Tank Cab - Gal. (L)		---	21.6 (82)	30 (114)	30 (114)
Power Take-Off (PTO)					
Standard		Independent 540	Independent 540	Independent 540/540E	Independent 540/540E
Optional (PB)		---	Independent 540/540E	---	---
PTO Actuation - Standard/Option		Mechanical	Mechanical/Electrohydraulic	Mechanical/Electrohydraulic	Electrohydraulic
Economy PTO		No	Yes	Yes	Yes
Hydraulics					
Type		Open Center	Open Center	Open Center	Open Center
Steering gpm (L/min)		6.8 (25.7)	6.8 (25.7)	6.8 (25.7)	6.6 (24.9)
Implement gpm (L/min)		11.4 (43.1)	11.4 (43.1)	15.9 (60.1)	15.9 (60.1)
Total		18.2 (68.8)	18.2 (68.8)	22.5 (85.1)	22.5 (85.1)
Rear SCVs					
Base		1	1	2	2
Optional		2	2	0, 3	0, 3
Mid SCVs					
Base		0	0	0	0
Optional		2	2	2, 3	2, 3
3-Point Hitch					
OECD Hitch Lift Cap @ 24 in. behind hitch balls lb. (kg)		3,192 (1,448)	3,192 (1,448)	3,213 (1,457)	3,213 (1,457)
Hitch Category		Category 2 (convertible to 1)	Category 2 (convertible to 1)	Category 2 (convertible to 1)	Category 2
Draft Sensing Type		Top Link	Top Link	Top Link	Top Link
Operator Station					
Type - Standard/Option		Open Station	Open Station/Cab	Open Station/Cab	Open Station/Cab

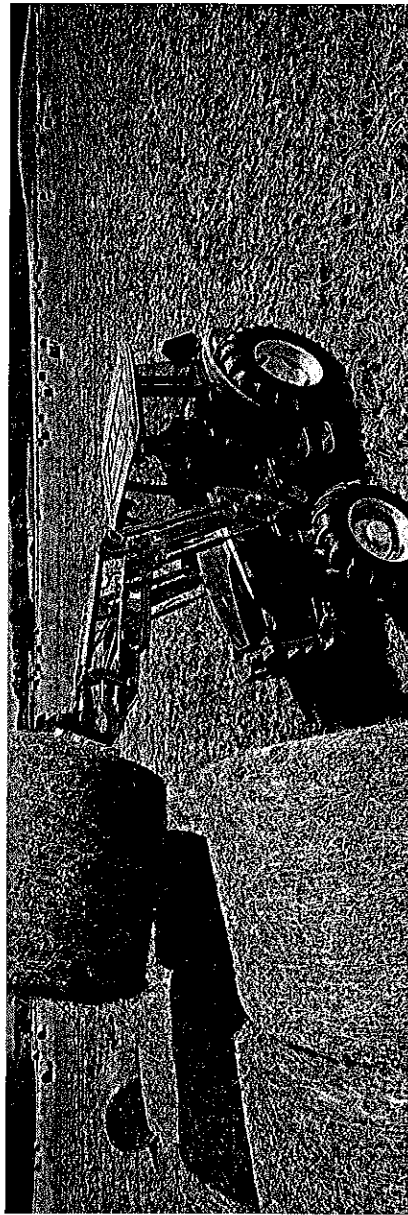
*97/68 EC gross engine horsepower.

**5045E PTO horsepower at rated speed Open Station with 9F/3R SyncShuttle™ Transmission. 5055E, 5085E, 5100E PTO horsepower at rated speed Cab with 12F/12R PowrReverser™ Transmission.

NEW John Deere loaders: Built Tough.

If you're looking for greater lift heights, higher capacity, user-friendly parking and attaching, look to the all-new John Deere H Series Loaders. Built to handle the demands of livestock and dairy producers, commercial and construction operators, or anyone with big-time material-handling chores, the H Series offers more cast-steel components for improved durability and capacity, a lower torque tube for better visibility, and concealed oil lines for a cleaner appearance and less risk of damage.

For owners and operators with less-demanding loader tasks, the 512 Loader offers field-proven performance across a wide range of material-handling applications. Your John Deere dealer can help you choose the right loader for your operation.



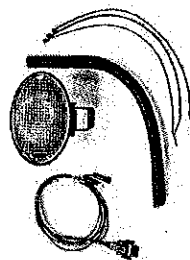
Loader (Non-Self-Leveling, Mechanical Self-Leveling)	512 NSL	H240MSL	H240NSL	H260 NSL
Lift capacity at full height, at pivot	2453 lb. (1115 kg)	2580 lb. (1170 kg)	3523 lb. (1598 kg)	3754 lb. (1703 kg)
Lift capacity at full height, 800 mm ahead of pivot	1538 lb. (697 kg)	2908 lb. (1319 kg)	2291 lb. (1040 kg)	2666 lb. (1212 kg)
Lift capacity @ 59 in. (1.5 m) lift height, at pivot	3295 lb. (1494 kg)	3607 lb. (1636 kg)	4030 lb. (1828 kg)	4960 lb. (2250 kg)
Lift capacity @ 59 in. (1.5 m) lift height, at 800 mm ahead of pivot	2350 lb. (1066 kg)	3481 lb. (1579 kg)	2974 lb. (1349 kg)	3783 lb. (1716 kg)
Boom breakout force, at pivot	4781 lb. (2169 kg)	4781 lb. (2169 kg)	4641 lb. (2105 kg)	6360 lb. (2885 kg)
Boom breakout force, 800 mm ahead of pivot	3172 lb. (1439 kg)	4052 lb. (1838 kg)	3168 lb. (1437 kg)	4639 lb. (2104 kg)
Maximum lift height	113 in. (2887 mm)	132 in. (3351 mm)	132 in. (3351 mm)	137 in. (3482 mm)
Clearance with bucket dumped	84 in. (2142.8 mm)	99.3 in. (2523 mm)	99.2 in. (2520 mm)	96 in. (2444 mm)
Reach at maximum height	24.5 in. (624 mm)	40.9 in. (1039 mm)	40.9 in. (1039 mm)	44 in. (1110 mm)
Reach at ground level	71.8 in. (1824 mm)	88.5 in. (2248 mm)	88.5 in. (2248 mm)	103 in. (2627 mm)
Digging depth	4 in. (108 mm)	-2.7 in. (-69 mm)	-3.9 in. (-73 mm)	-6 in. (-143 mm)
Dump angle @ full height	52.7 degrees	-55 degrees	-55 degrees	-73 degrees
Rollback angle @ ground	29 degrees	42 degrees	44 degrees	45 degrees

512 specifications as installed on 512. Capacities measured with 73 in. Material bucket (351 lb.). H240 specifications as installed on 512.3-cylinder, capacities measured with 73 in. GP bucket (392 lb.). H260 specifications as installed on 510E, capacities measured with 73 in. Material bucket (502 lb.).



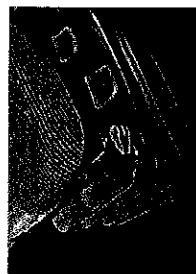
Add more comfort, convenience, security, productivity...

Add More



Auxiliary work light kit

Increase productivity with our auxiliary work light kit. The round halogen lights mount to the roof of your cab, providing a great source of extra lighting for the front or rear (or both) of your tractor. Includes all hardware and components.



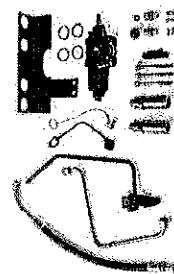
Air-ride suspension seat

Ride more comfortably over the longest roads and roughest terrain with an air seat suspension kit (4-cylinder models only). The vertical and horizontal seat suspension lets you work longer hours with minimal operator fatigue. Armrest included. See your John Deere dealer for more details.



Power beyond adaptor kit

Provide live hydraulic power to implements that have an open-center control valve. This kit is required for installing a backhoe on your tractor. See your John Deere dealer for more details.



Dual rear SCV kit

with lever controls

Attach a wider range of implements than ever before with our dual rear selective control valve (SCV) kit. Easy lever controls are included for your convenience.

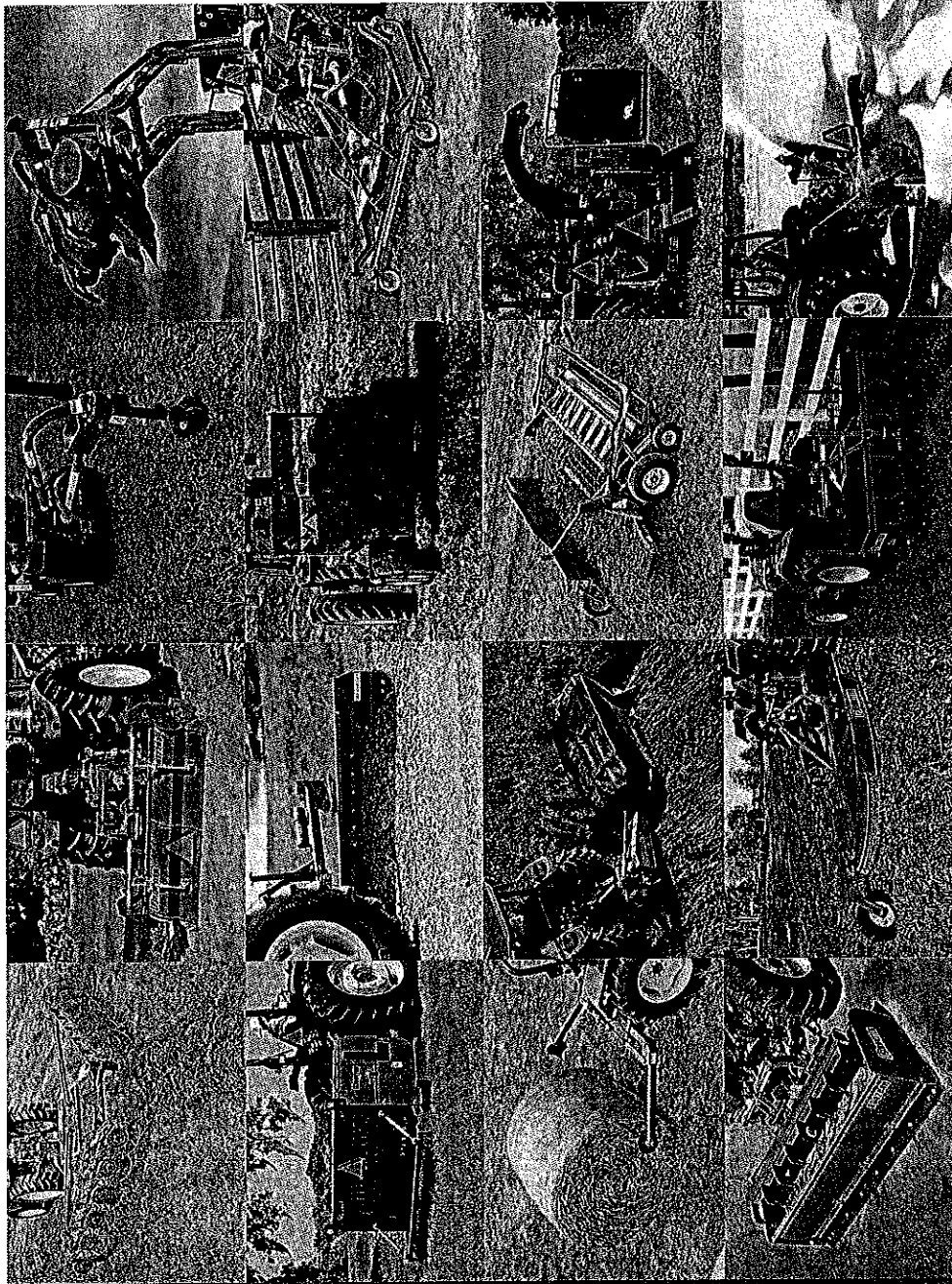
Frontier makes the perfect match

From posthole diggers to food plot seeders to rotary cutters to land levelers, John Deere and Frontier Equipment offer a wide variety of front and rear attachments designed specifically for tractors like the 5E Series. Your John Deere dealer is the exclusive source for the full line of Frontier implements and attachments.

See your John Deere dealer, or visit us online to find out more about our complete line of attachments, including:

Grooming mowers	Posthole diggers	Tedders
Box blades	Manure spreaders	Wood chippers
Rotary tillers	Wheel rakes	Snowblowers
Overseeders	Disc mowers	Bale huggers
Disk harrows	Rear blades	Arena rakes
Rotary rakes	Core aerators	Bale spears
Sickle bar mowers	Pendular spreaders	Food plot seeders
Pulverizers	Offset disks	Land planes

Visit us online at www.BuyFrontier.com
or www.BuyFrontier.ca to get specs
and availability information.



Frontier Equipment reserves the right to change specifications, design, and price of products described in this literature without notice.

Born to work **anywhere**

Making the best even better.

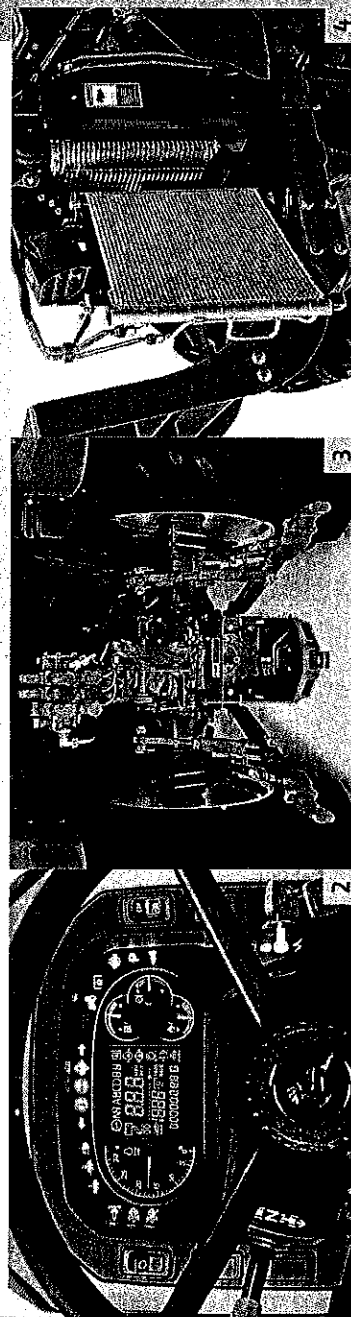
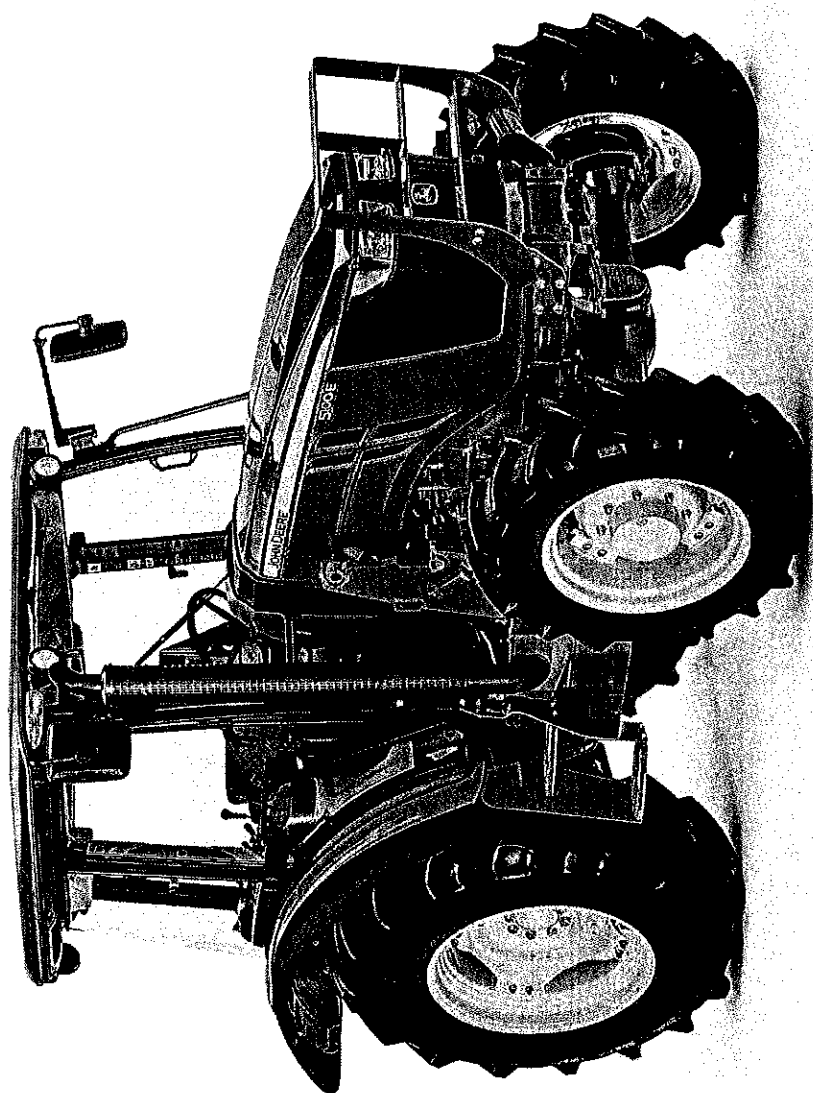
The new 5085E and 5100E machines have a great new set of features that will help you be get more done in less time.

The new sloping hood, deluxe standard cornerpost exhaust, and raised operator platform on cab models give you up to 31.6 feet of extra visibility in front of the tractor. Better sightlines mean higher operator efficiency and comfort when performing many repetitive tasks with a loader.

With the new LCD instrument cluster, you can see ground speed, PTO speed, and engine hours all at the same time. In addition, you can now view important indicators such as PTO target bar, PowerReverser™ position, hi-lo indicator, and warning lights.

The new slide-out condenser (cab models only), radiator screen, tilt-able charge air cooler, and slide-out oil cooler allow you to quickly access the cooling system components to clean debris—with no tools. If it's easy to clean, it will get cleaned, so you'll never have to worry about an over-heated engine in tough conditions.

Finally, attaching rear implements to the 3-point hitch is now easier than ever. With the new standard sway bars and telescoping draft links, no tools are required to attach or detach implements. That's going to be appreciated when hooking up heavy implements that can match the rear hitch lift capacity of over 3,200 pounds (1,451 kg).



1. New sloping hood on 5E 4 cylinder. 2. New LCD instrument cluster. 3. New standard sway bars and telescoping draft links. 4. New slide out condenser, radiator screen, tilt-able charge air cooler, and slide out oil cooler on 4 cylinder cab models.

Born to work smarter

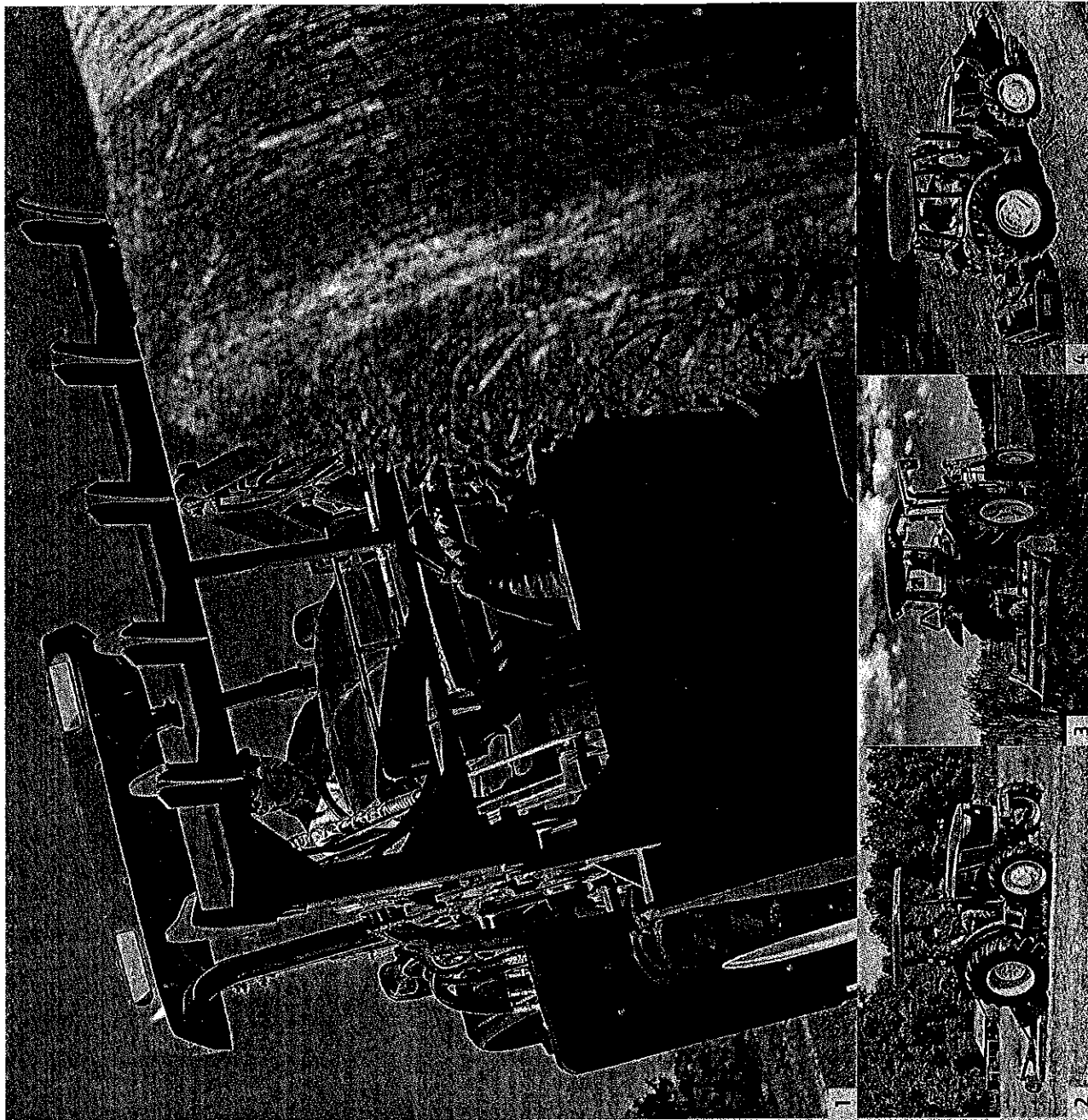
Intelligent efficiency.

The new John Deere 5E Series are our most advanced 5E utility tractors ever. What makes the new 5E Series so advanced? First, you get the option of a 24F/12R "PowerReverser"™ transmission on 4-cylinder models (12/12 is standard on 5085E and 5100E). No-stop, in-line, forward/reverse shifting makes short work of loading, blading, or any chore with frequent directional changes — while 12 forward and 12 reverse speeds allow you the freedom to find just the right gear for the job. Or go with the standard 9F/3R "SyncShuttle"™ Transmission* (3-cylinder only) for proven, reliable performance in any application.

The standard, fully-independent 540 RPM PTO gives you power for PTO-driven implements and has been updated with an electrohydraulic actuator for smoother PTO activation. Plus, PowerReverser-equipped tractors benefit from a 540 Economy PTO mode, allowing you to operate with full PTO speeds at reduced engine rpm — saving fuel, lowering engine noise and reducing vibration. For operator convenience, we've relocated the EPTO lever to just behind the seat, well within reach of the seated operator.

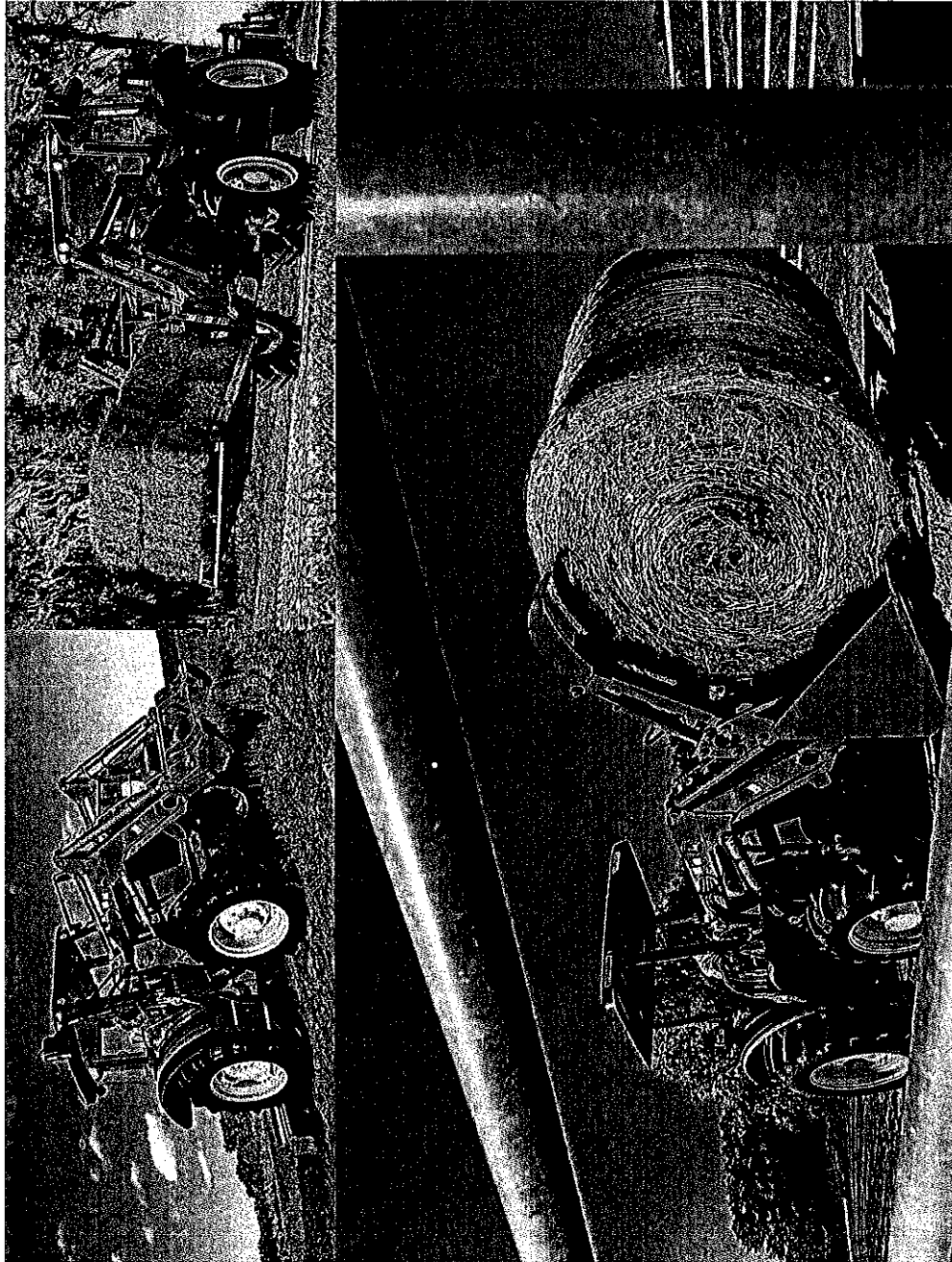
No matter which options you choose, heavy-duty components and moving parts designed for high-hour usage translate to unmatched performance and long-term reliability. And that makes the 5E Series a smart investment any way you slice it.

*9F/3R only on 45-75 HP models



1. 5085E Tractor shown with H240 Loader and 3rd Function Grapple Bucket. 2. 5075E Tractor shown with Canopy and Frontier RC2072 Rotary Cutter. 3. 5100E Tractor shown with H240 Loader and 681 Rotary Tiller. 4. 5075E Tractor shown with Frontier Box Blade BB4172H.

Born to work under pressure



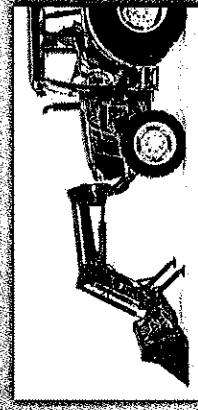
With standard high-capacity hydraulics, you can sit back and let your new 5E Series handle the heavy lifting.
*Lift capacity for H240 NSL Loader at full height on 5100E tractor.

Load more. Lift more. Do more.

When it comes to hydraulic power and capacity, it's hard to beat the 5E Series. With a rear hitch lift capacity of nearly 3,200 pounds (1,451 kg), lifting and transporting those heavier implements — like rotary tillers and heavy seeders — just became a non-issue. The standard 3-point-hitch allows you to hook up to any Category 1 (with conversion kit) or Category 2 hitch standard-mounted implement. Plus, mid-mount hydraulic remotes allow for easy loader mounting.

Around front, add a John Deere loader for up to 3,548 pounds (1,610 kg) lift capacity.* Quik-Park™ capability and self-leveling options. Partner a John Deere loader with your 5E Series to transform your tractor into a lean, green, loading and lifting machine. And now with the factory installed loader prep package option on MFWD

tractors and stackable mid-SGVs (4-cylinder only), you'll be saving lots of time and money.



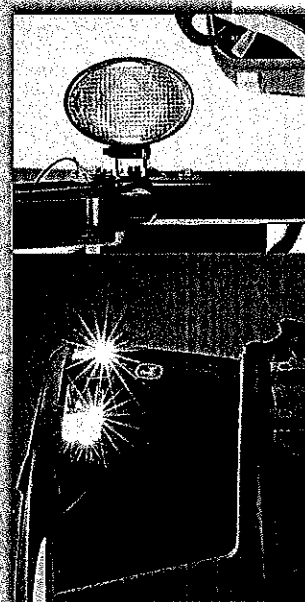
Loaders attach and detach in just a few minutes, with no tools.

Born to work **stronger**

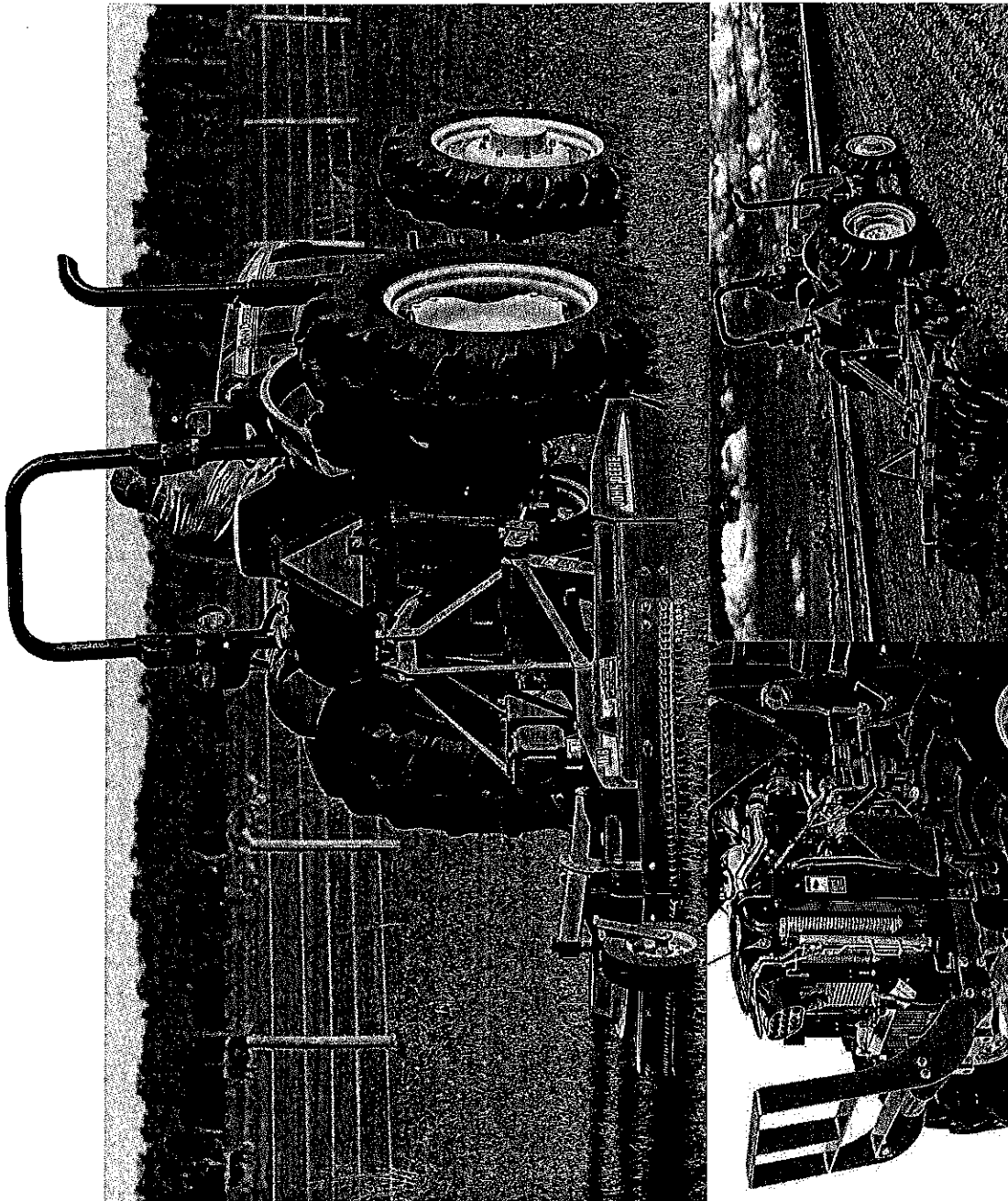
Powerful engineering... from the inside out.

At the heart of every 5E Series tractor you'll find a powerful yet efficient John Deere PowerTech™ turbocharged diesel engine. The 3-cylinder and 4-cylinder engines (depending on choice of horsepower) both feature a wet sleeve design for better heat dissipation. And with up to 100 available horsepower, the 5E Series can tackle just about anything on your chore list.

Choose the 45-75 horsepower 5E Series for a simple Final Tier 4 single fluid solution. No extra fuel additives, and no need to "arm" a regeneration system. That means you can run your tractor just like you always have and know it's working more efficiently than ever... and with compliant emissions reduction. Plus a standard rated operating speed of just 2100 RPM for an engine that produces reduced noise, vibration, and wear and tear over the long run.

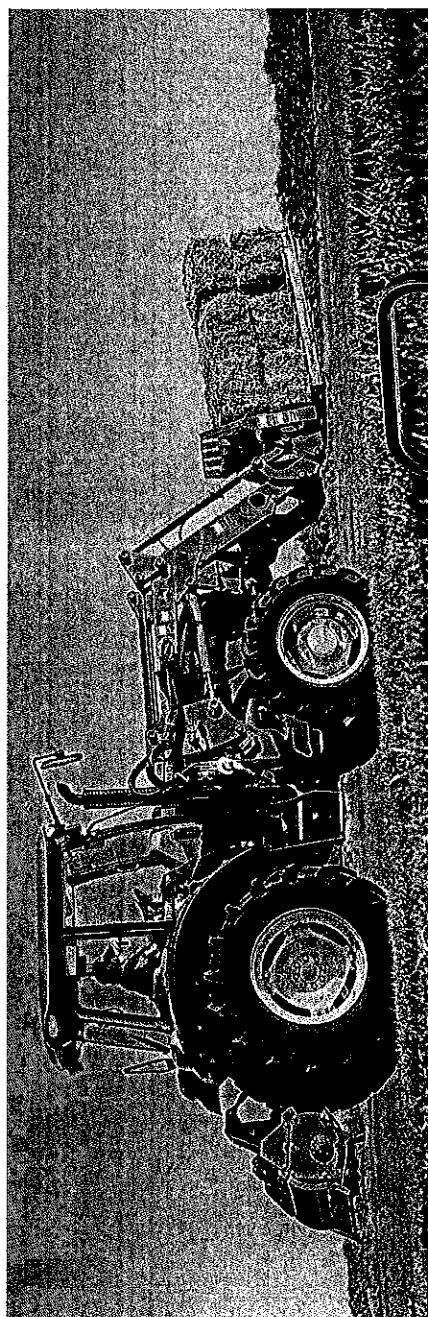


Early mornings? Late evenings? No problem... Extra bright halogen headlights and rear work lights come standard on both open station and cab models.



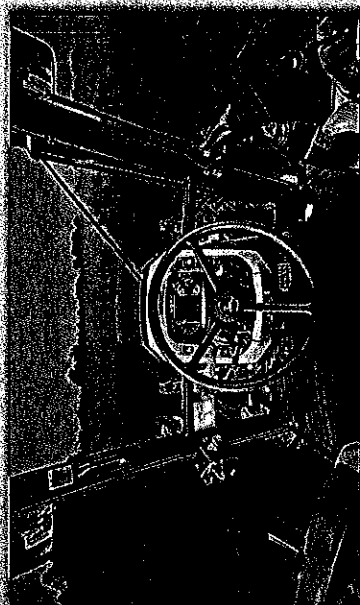
The one-piece tilting hood allows easy access to service items like the air filter, engine oil checks, and more. Plus, ground-level fluid fills make regular maintenance a snap.

Born to work **stronger**

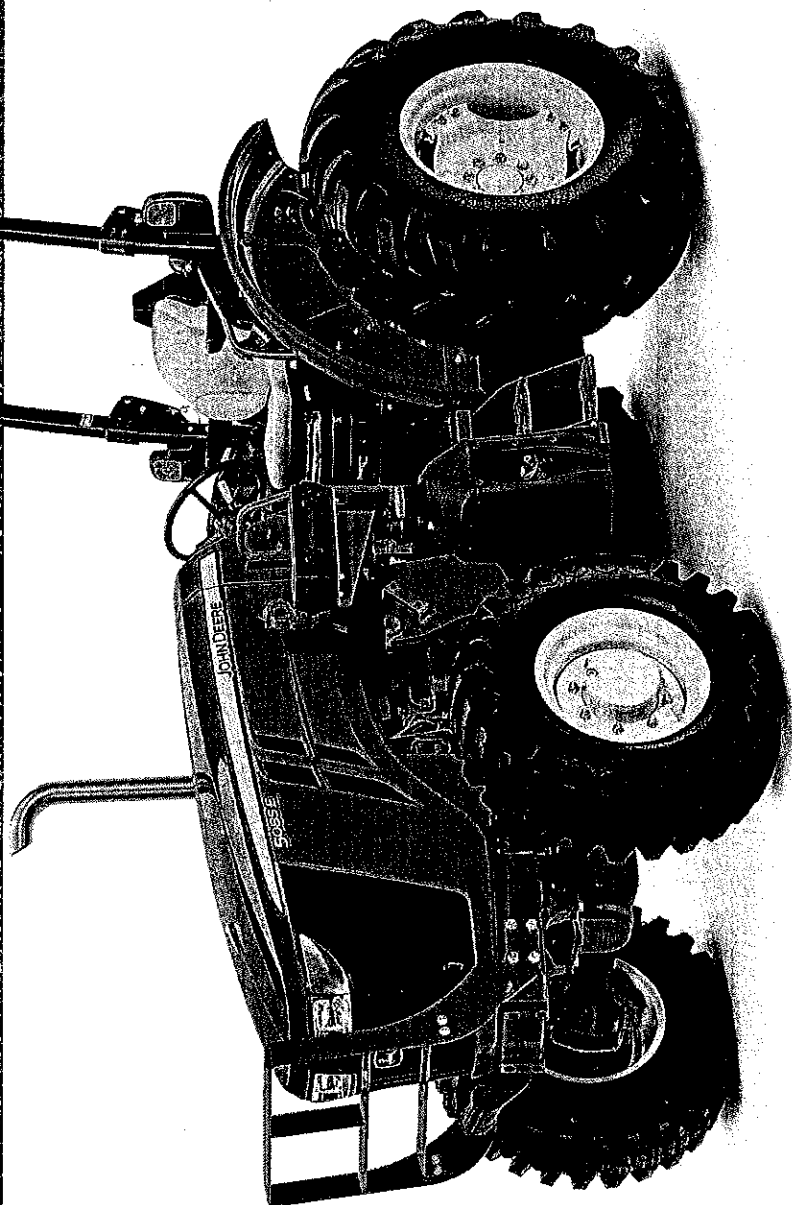


85-100 horsepower 5E Series

Step up to the 85 or 100 horsepower 5E Series and you're getting a tractor with serious muscle and capability. These rugged machines can handle just about anything on your farm or your property, from heavy-duty loader work to hay-making, to property maintenance chores, rotary tilling, and everything in between. We now offer more versatile speed selection with the 24F/12R PowerReverse™ transmission, which allows you to shift from high to low with the ease of a button. Plus, you'll get the choice of our comfortable open operator station or the cab configuration for year-round productivity.



Get a clearer view of the task at hand with the exhaust stack now located behind the cornerpost (on all cab models). Plus, the 85-100 horsepower 5E models boast an improved control layout, access to SCV levers, and generous console storage space.



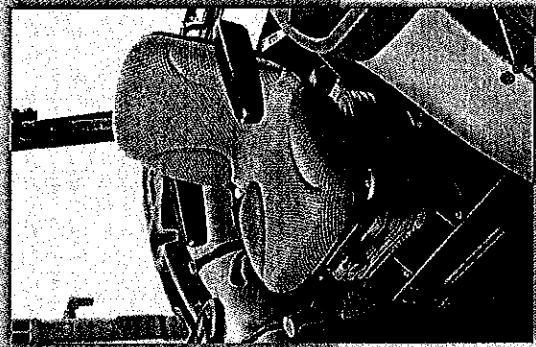
Born to work. On your property. Within your budget.

45–75 horsepower 5E Series

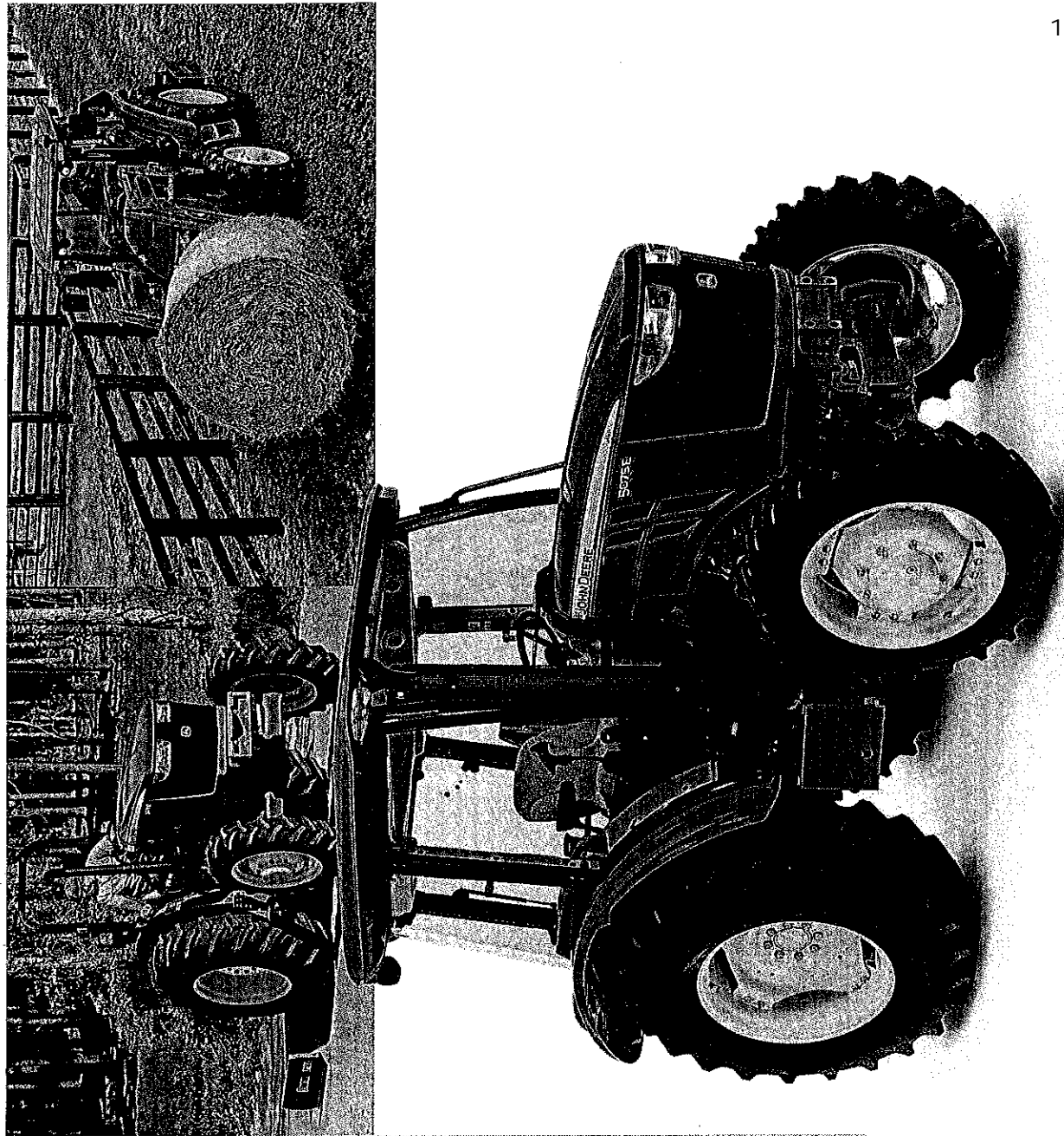
Trying to find the perfect fit for your property or operation? It's as easy as climbing into the seat of the 45 to 75 horsepower 5E Series. You want options? You've found them. You can choose 2WD or MFWD. An open station, or a climate-controlled cab (55–75 hp models). The 9F/3R SyncShuttle™ Transmission or the 12E/12R PowerReverse™ (55–75 hp models). Why so many options? Because a job well done starts with the right tools. And with the 5E Series, it's easier than ever to customize your machine to fit your needs, AND your budget.

Handle rotary cutting chores, tackle loader work like moving gravel or dirt, or choose one of hundreds of compatible implements and attachments like post-hole augers, rear blades, box blades, wood chippers, or land planes, and get to work. Your property will thank you.

Capable without compromise... That's what the 5E Series is all about.



Choose the climate-controlled cab option (not available on 5045E) and work in comfort all year long. Ergonomic seat and easy-to-reach pedals, levers, and joystick leave you relaxed and in control, even after hours of operating. The new integrated 12V charger keeps your devices running all day long.



Born to work... and work... and work

Built Tough. For Every Job. And Every Season.

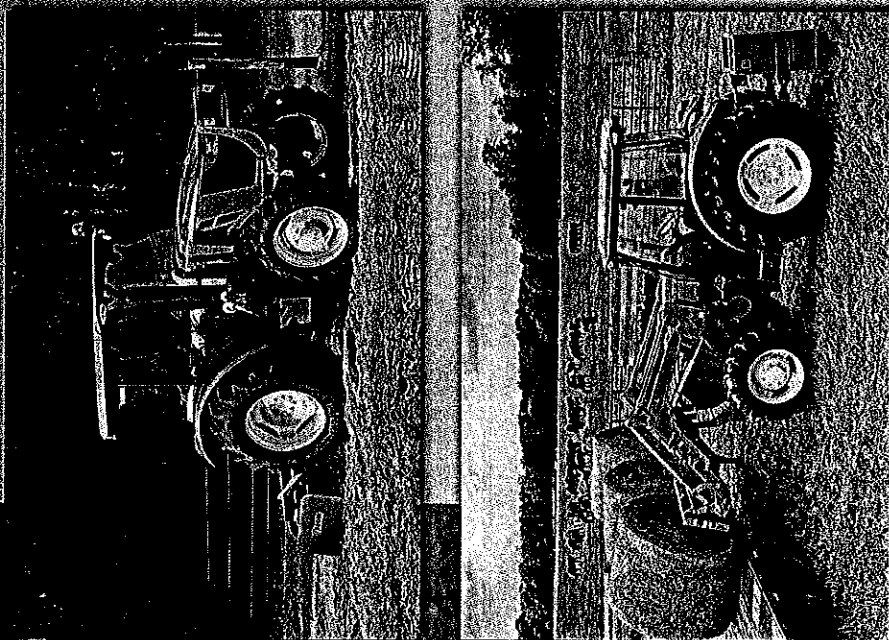
For lifting and loader work, rotary cutting, snow removal — even in hostile weather conditions — conquer it all with the John Deere 5E Series.

If you thought you knew the 5E Series, take another look. You'll find new standard features and options that combine to create a full lineup of mid-spec machines that truly sits in a class of its own.

With 9F/3R Sync Shuttle and 12F/12R PowrReverser available on 55-75 horsepower models and a 12F/12R PowrReverser and 24F/12R PowrReverser transmission available on 85 and 100 horsepower models you'll have easy directional control (forward and reverse) and speed-matching for any application.

The comfortable open station configuration comes standard, or opt for the climate-controlled cab on 5055E and higher horsepower models. No matter how you configure the new 5E Series, impressive can-do comes built right in.

Explore the new 5E Series and discover for yourself exactly what it means to be born to work.



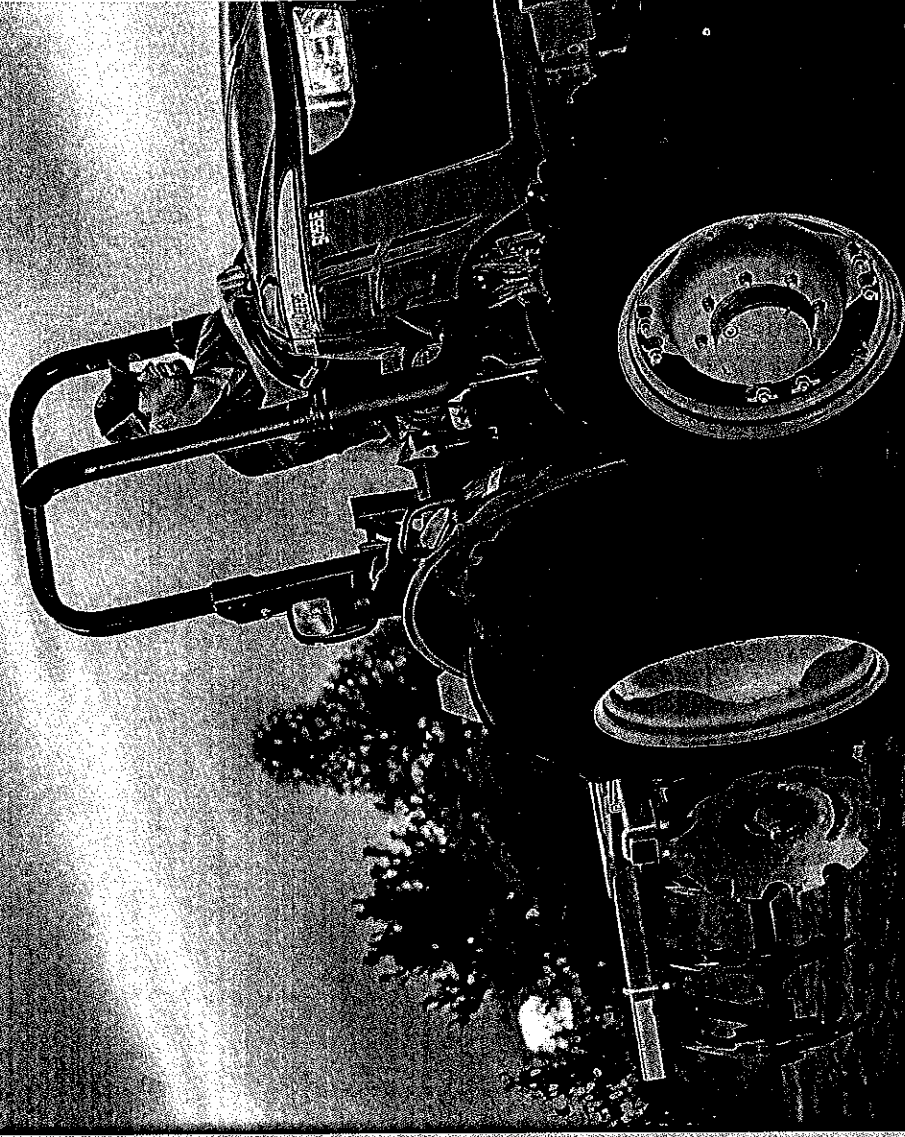
The 5E Series Born to work

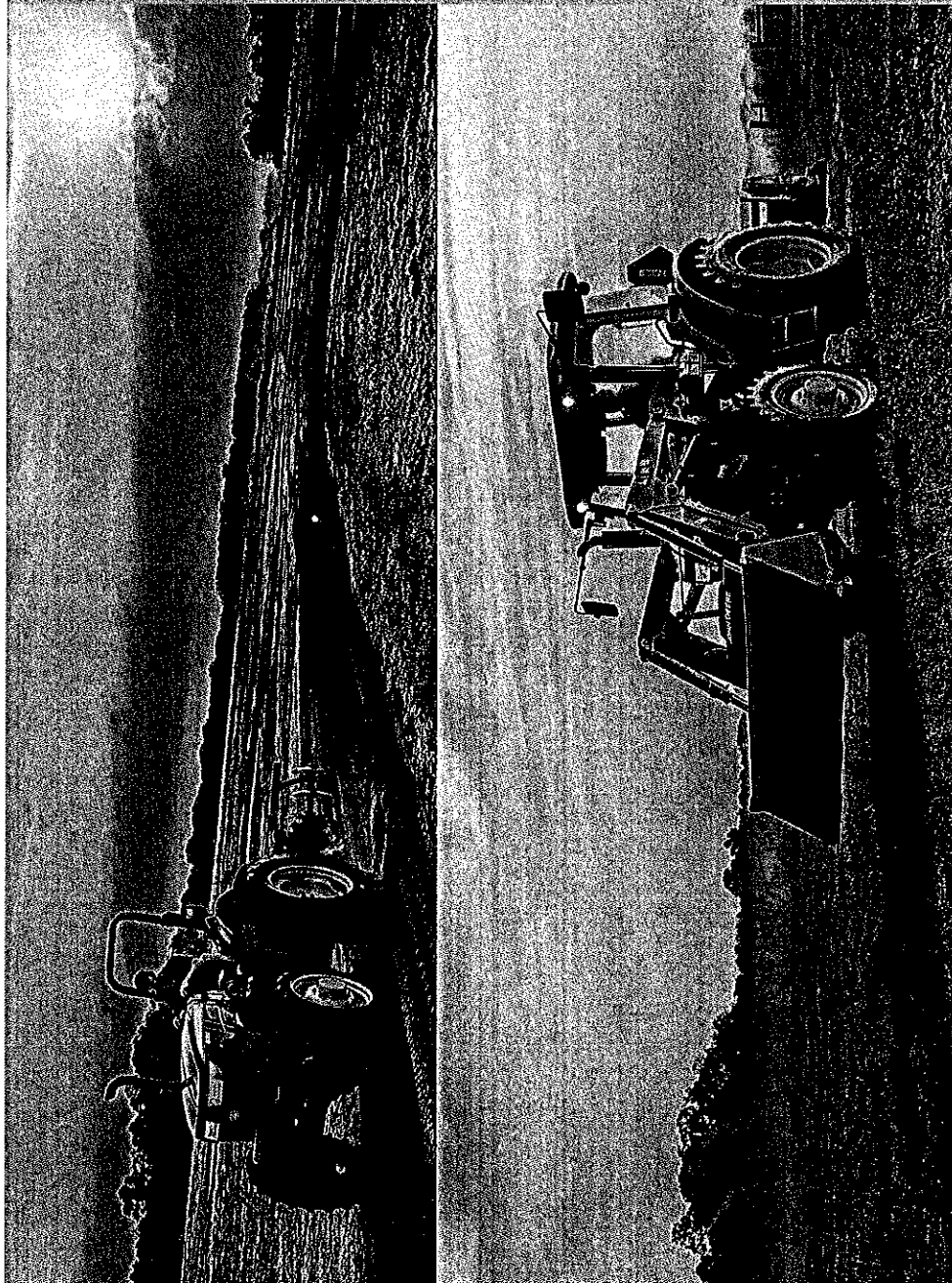
Meet the 5E Series by John Deere... six models, 45–100 horsepower, open station and cab options, and Final Tier 4 compliant engines; these utility tractors are truly born to take on tough tasks and keep coming back for more.

The 5E series in total now has 3 transmission options, 9F/3R SyncShuttle™ and 12F/12R PowerReverser™ in the 5E 3 cylinder machines, and 12F/12R and 24F/12R PowerReverser transmission in the 5E 4 cylinder machines.

Now you can have the rock-solid performance and versatility you expect in a John Deere — all at a price you might not.

*Not available on 5045E.





CONTENTS

Introduction	2-3
5E Series	4-11
Attachments/ Frontier / Loaders	12-13
Specifications	14-15

The 5E Series

3-CYLINDER MODEL	ENGINE HP	PTO HP*
5045E	50	37
5055E	56	44
5065E	67	49
5075E	73	57
4-CYLINDER MODEL	ENGINE HP	PTO HP*
5085E	85	79
5100E	100	85

*5045E PTO horsepower at rated speed Open Station with 9F/3R SyncShuttle™ Transmission. 5055E, 5065E, 5075E PTO horsepower at rated speed Cab with 9F/3R SyncShuttle™ Transmission. 5085E and 5100E PTO horsepower at rated speed Cab with 12F/12R PowrReverser™ Transmission.

Heat, dust, sweat, cold, rain, mud;

it's all part of the John Deere story. Part of a long, rich history of working the land. It's a teacher. And everything we've learned has made each generation of John Deere equipment better than the last. Made it run stronger, smarter, and longer. It's all part of a legacy. For over 175 years a story has been told by early mornings, long days, and an enduring commitment to building quality tools... that were born to work.

Introducing the newest generation of rugged, reliable utility tractors — the John Deere 5E Series — with the options, the power, and the versatility to take on the toughest chores on your property or operation. Read on to learn more, then stop by your John Deere dealer for a demonstration.

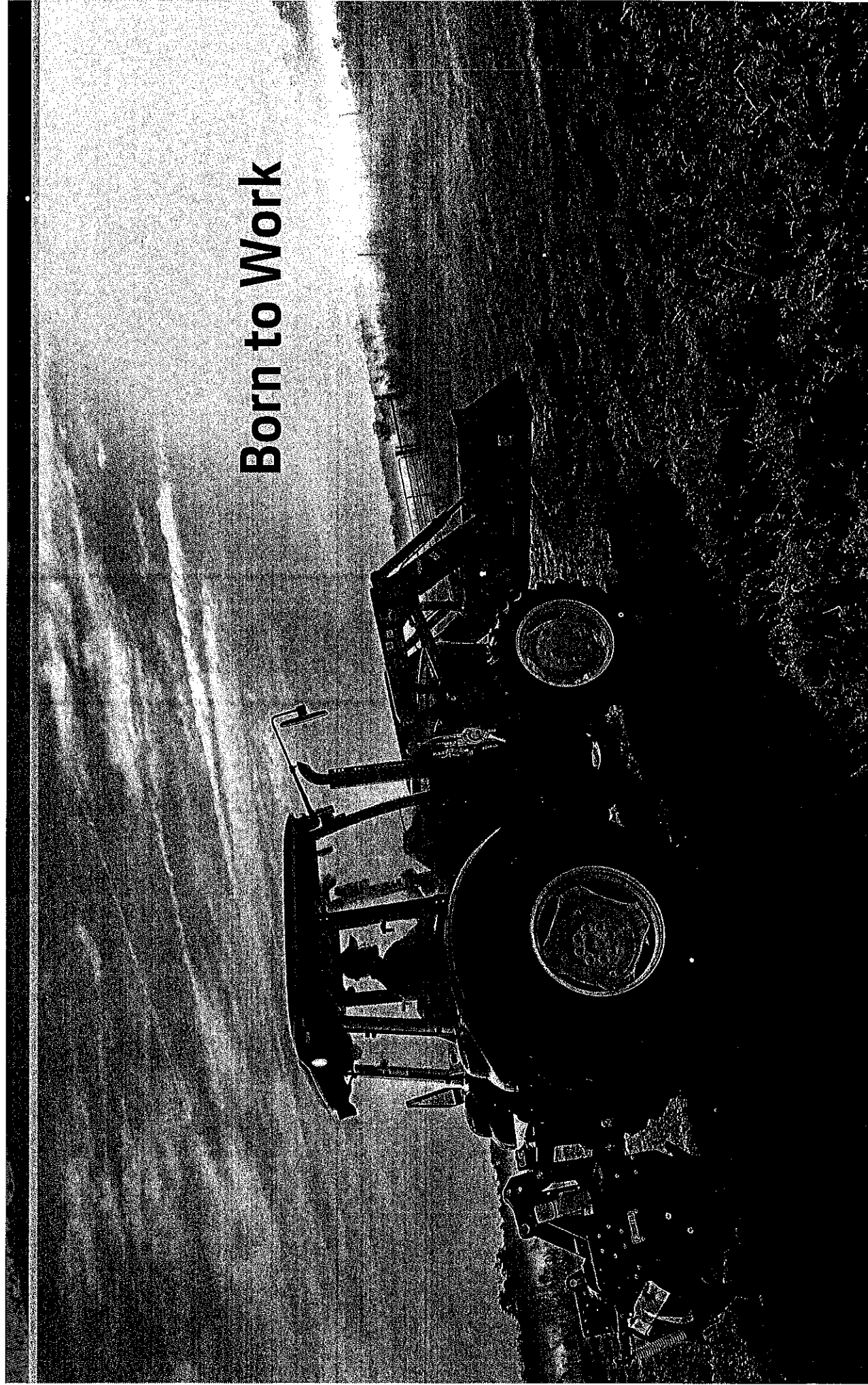


5E Utility Tractors

45 — 100 Horsepower Utility Tractors



Born to Work



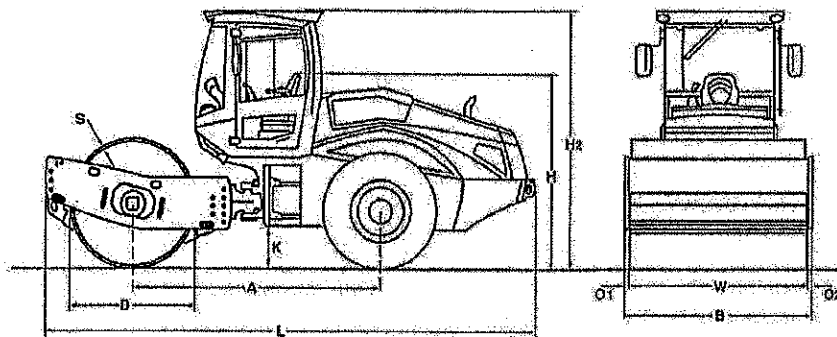
APPENDIX E

APPENDIX D

Technical Data		BOMAG BW 211 D-5	BOMAG BW 211 PD-5
Weights			
Gross weight	lb	28,418	28,109
Operating weight CECE w. ROPS-cabin	lb	23,369	26,676
Axle load, drum CECE	lb	12,500	15,807
Axle load, wheels CECE	lb	10,869	10,869
Static linear load CECE	lb/in	149.1	
Dimensions			
Working width	in	83.9	83.9
Track radius, inner	in	144.9	144.0
Driving Characteristics			
Speed (1)	mph	0-3.1	0-3.1
Speed (2)	mph	0-3.7	0-3.7
Speed (3)	mph	0-5.0	0-5.0
Speed (4)	mph	0-6.8	0-6.8
Max. gradeability without/with vib.	%	51/48	54/51
Drive			
Engine manufacturer		Deutz	Deutz
Type		TCD 3.6 L4	TCD 3.6 L4
Emission stage		4/4	4/4
Cooling		Liquid	Liquid
Number of cylinders		4	4
Performance ISO 3046	hp	127.4	127.4
Performance SAE J 1995	hp	128.0	128.0
Speed	min-1	2,000	2,000
Fuel		diesel	diesel
Electric equipment	V	12	12
Drive system		hydrost.	hydrost.
Drum driven		standard	standard
Drums and Tyres			
Number of pad feet			150
Area of one pad foot	sq.in		21.2
Height of pad feet	in		3.9
Tyre size		23.1-26 12PR	23.1-26 12PR
Brakes			
Service brake		hydrost.	hydrost.
Parking brake		hydromec.	hydromec.
Steering			
Steering system		oscil.artic.	oscil.artic.
Steering method		hydrost.	hydrost.
Steering / oscillating angle +/-	deg	35/12.0	35/12.0
Exciter system			
Drive system		hydrost.	hydrost.
Frequency	vpm	1,800/2,040	1,800/2,040
Amplitude	in	0.077/0.039	0.067/0.036
Centrifugal force	lb	63,954/36,520	64,071/43,613
Centrifugal force	l	24.6/16.1	29.1/19.8
Capacities			
Fuel	gal	66.0	66.0

Technical modifications reserved. Machines may be shown with options.

APPENDIX D



Dimensions in in

	A	B	D	H	H2	K	L	O1	O2	S	W
BW 211 D-5	117.1	89.4	59.1	89.0	117.7	19.3	231.1	2.8	2.8	1.0	83.9
BW 211 PD-5	117.1	89.4	58.3	89.0	117.7	19.3	231.1	2.8	2.8	1.0	83.9

Shipping dimensions in cub.yd

without ROPS

with ROPS

BW 211 D-5
BW 211 PD-5

39,405
39,405

52,112
52,112

Machine type	Compaction output (cub.yd/h)			
	Rock fill	Gravel, sand	Mixed soil	Silt, clay
BW 211 D-5	533.2-1046.4	353.1-706.3	287.7-575.5	143.9-287.7
BW 211 PD-5	523.2-1046.4	353.1-706.3	287.7-575.5	209.3-418.5

Machine type	Compacted layer thickness (in)			
	Rock fill	Gravel, sand	Mixed soil	Silt, clay
BW 211 D-5	27.6	19.7	15.7	9.8
BW 211 PD-5	27.6	19.7	15.7	9.8

APPENDIX D



TECHNICAL DATA

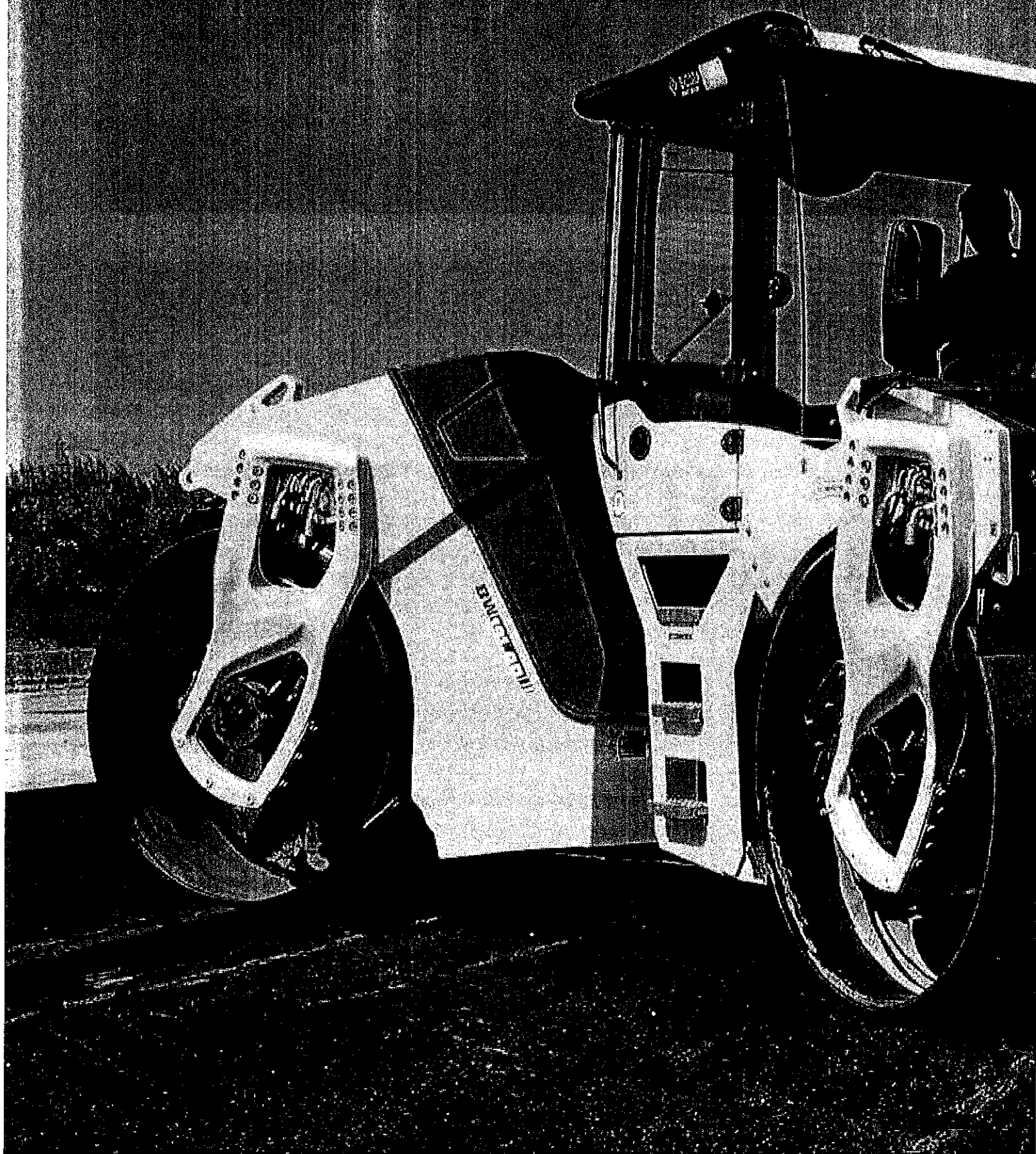
SINGLE DRUM ROLLERS

BW 211 D-5, BW 211 PD-5



APPENDIX D

APPENDIX C



APPENDIX C



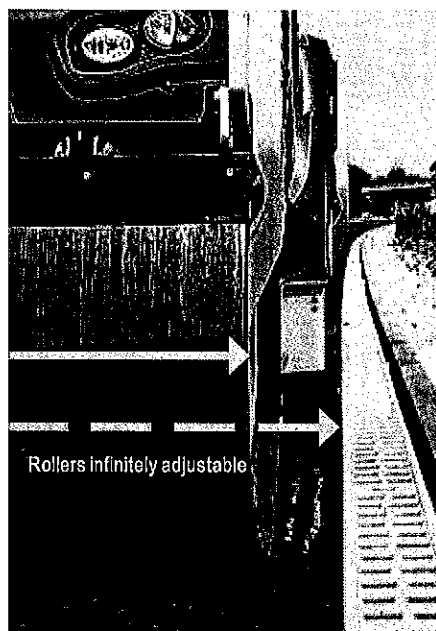
Model types	Working width [in]	Drum diameter [in]	Operating weight approx. [lb]*
BW141	59.1	36	15,211.5
BW151	60.1	42.3	16,755.1
BW161	66.1	48	22,046.2
BW190	76.1	48	26,455.5
BW191	76.1	55.1	29,162.4
BW200	84.1	55.1	33,214.1

*) Operating weights with cab and basic equipment. Actual operating weight is dependent on equipment and accessories.
Technical modifications reserved. Machines may be shown with options.

APPENDIX C

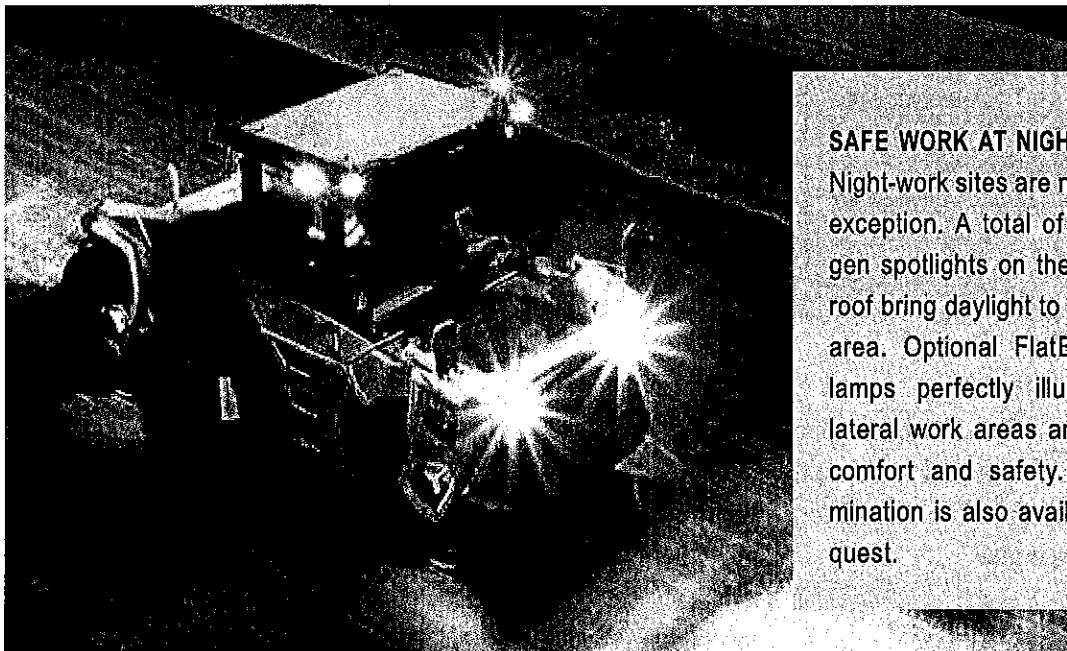
ON A WIDE TRACK.

For work along edges and to increase the working width, the optional crab-walk feature is used to offset drums by up to 6.7 inch on either side



EFFECTIVE FUEL FILTERING.

The two-stage fuel filter with water separator and service indicator ensures reliable fuel flow. The air filter has two filter cartridges as standard and two-stage mechanical separation. This reduces maintenance and enhances reliability.

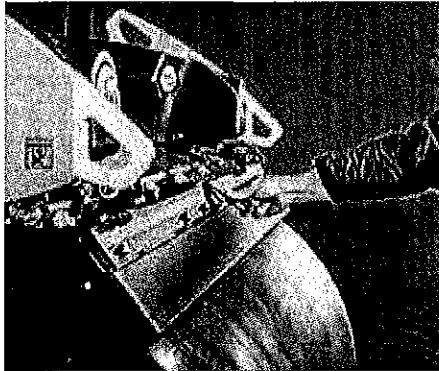


SAFE WORK AT NIGHT.

Night-work sites are no longer an exception. A total of eight halogen spotlights on the frame and roof bring daylight to the working area. Optional FlatBeam LED-lamps perfectly illuminate the lateral work areas and enhance comfort and safety. Drum illumination is also available on request.

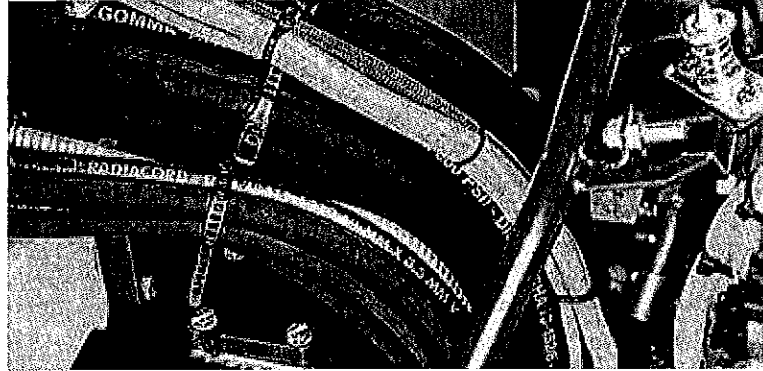
THE DETAIL MAKES THE DIFFERENCE.

Many people build rollers. But only BOMAG build BOMAG rollers. We pay full attention to the small details, to make your work easier. Our engineers are where the action is, to learn from site practice. This knowledge can be found in all of our rollers. Well thought-out, with the highest quality and reliability. Because only BOMAG is BOMAG.



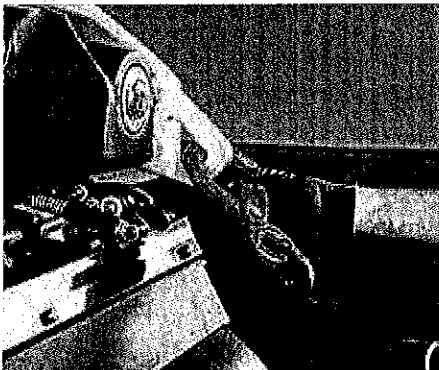
CLEAN DRUMS.

Spring loaded, folding polyurethane contact scrapers ensure clean drums and optimum distribution of sprinkled water.



SHIELDED ELECTRICS.

For reliable current flow with no spark risk, all wiring looms are routed through nylon hoses. The central electrical system is installed in the cab, protected against water and dirt.



QUICK TRANSPORT.

Quick relocation off-site because the lashing eyes are amply dimensioned and easily accessible. The articulation lock is easy to operate.



PERFECT SPRINKLERS.

The drum sprinkling system works with two independent pumps. With a high number of nozzles per working width and a filler strainer, the wind protected system and the perfect view of the nozzles maximizes reliability and performance. The interval function reduces water consumption. The low position of the water tanks enhances driving stability and tank drainage is simple and quick.

APPENDIX C

SPACE TO WORK BETTER.

Any machine is only as good as its driver. In any BOMAG tandem roller the driver can feel at home. And satisfied drivers are more productive.

EXCELLENT VISION.

The smart design of BOMAG tandem rollers with sliding seat and folding window always gives an unobstructed view of the drum edges. The driver can work along walls without risk because no parts of the cab or roller project over the sides. He can also keep an eye on the sprinkling system and, with the optional outside mirrors, he has unrestricted all-round vision.

EXTRA SPACE.

The ample space ensures stress-free work, even over longer working days. The powerful heating, also optionally with air conditioning, provides comfortable temperatures and condensation-free windscreens. On BOMAG rollers, engine and cab are separated. The driver is not troubled by cab vibration, noise, heat or exhaust fumes.

ERGONOMIC CONTROL.

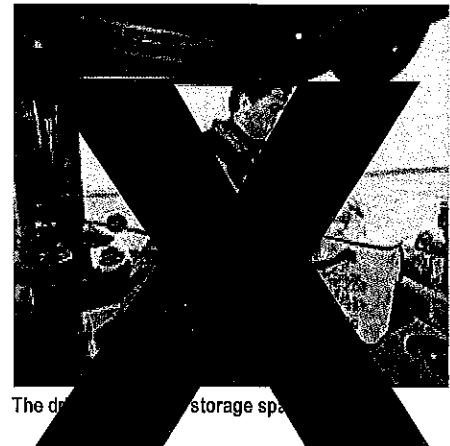
The seat unit with steering wheel, operating arm rest and instruments can be moved across the full width of the cab. The seat can swivel 90 degrees in each direction. This gives the driver optimum seat positioning at all times to operate the roller reliably and intuitively. BOMAG's attention to detail also shows here: the cab floor is completely flat and without openings for easy cleaning.

NO CONFUSION.

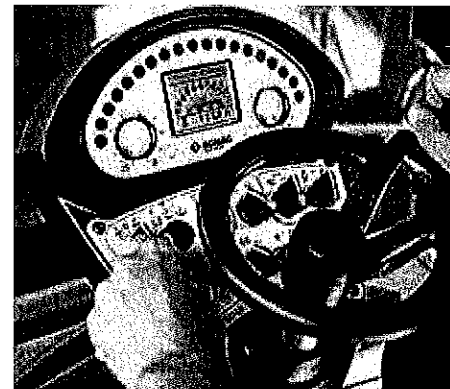
Safe operation even with different drivers: The self-explanatory operation is distinctly marked and the switch setting is always clearly identifiable. The displays indicate the operating status of the machine with clear symbols.



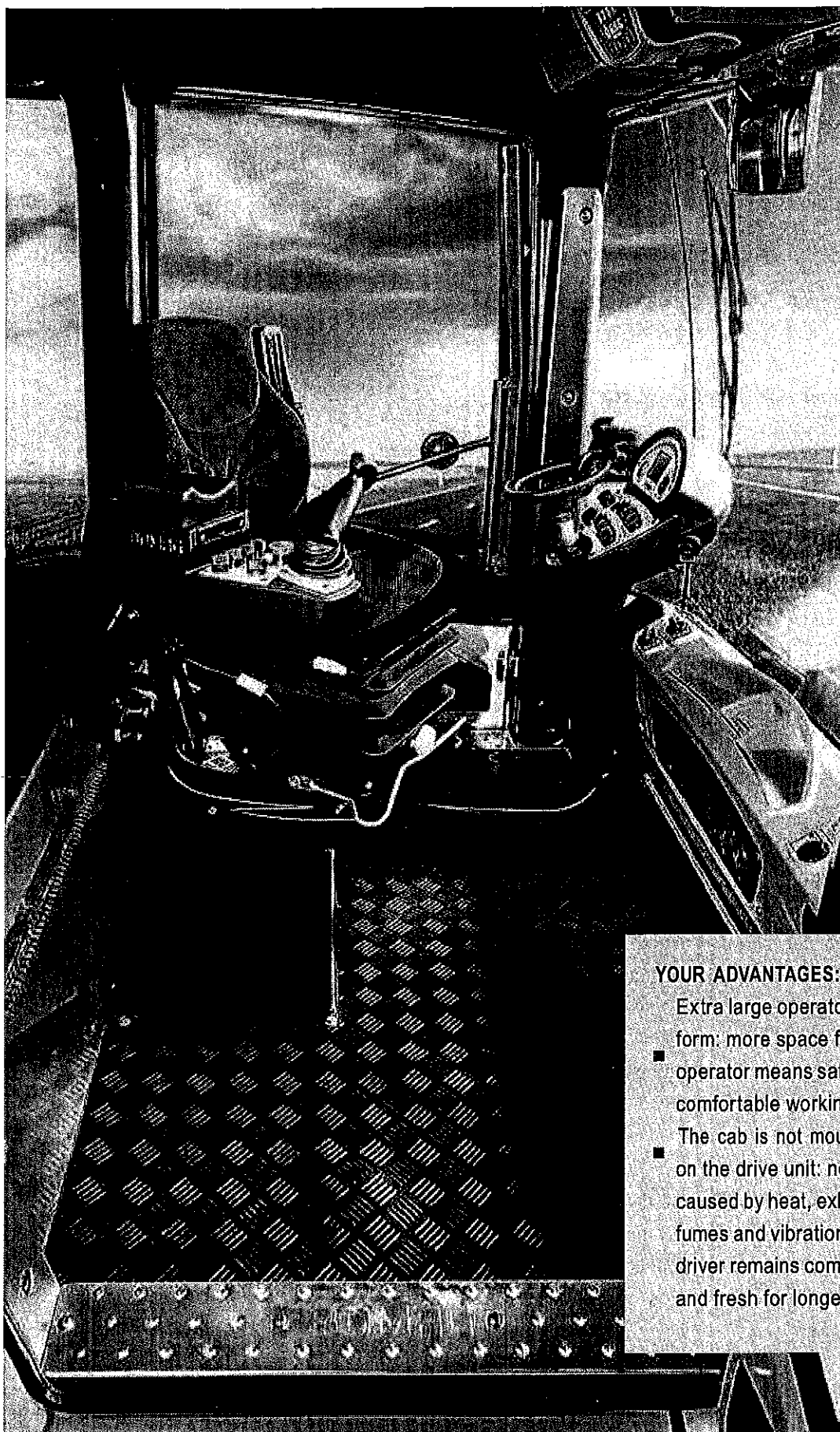
The view and sliding seat ensure comfort.



The driver's storage space is ample.



The driver always has all the essential displays safely in view. Operating the switches is simple and quickly becomes second nature.



YOUR ADVANTAGES:

Extra large operators platform: more space for the

- operator means safe and comfortable working

- The cab is not mounted on the drive unit: no loads caused by heat, exhaust fumes and vibrations. The driver remains comfortable and fresh for longer shifts.

APPENDIX C

THREE MODELS TO CHOOSE FROM

BGM-start

The driver is informed about the number of passes and the asphalt temperature. With a freely definable colour scale he immediately sees where further passes are required. Once compaction is finished, the compacted area appears in green and the driver can be sure that every area has been compacted. All data saved can be passed to the client or monitoring body as a pdf file. BGM-start is a convenient Plug&Play solution also for mixed fleets.

BGM-05

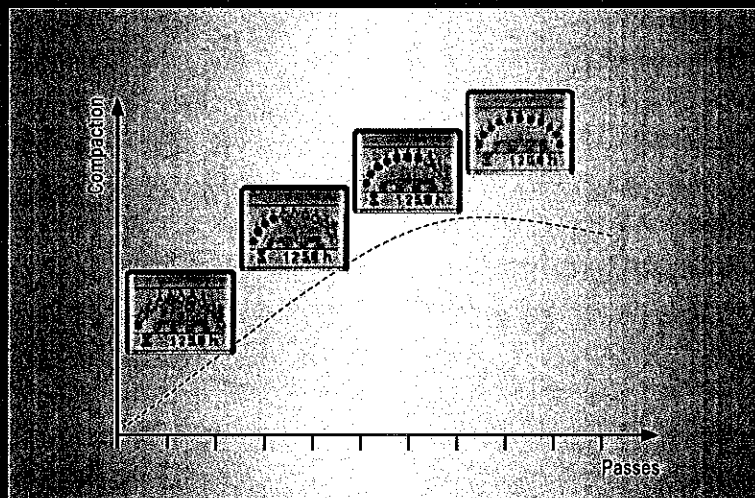
With BGM-05 the stiffness values E_{vm} in MN/m^2 measured by the ASPHALT-MANAGER are additionally documented. The E_{vm} value correlates with the asphalt density. This enables accurate weak spot ana-

lysis and the reduction of other test methods. With BGM-05 the BOMAG ASPHALT-MANAGER becomes a real tool for quality assurance.

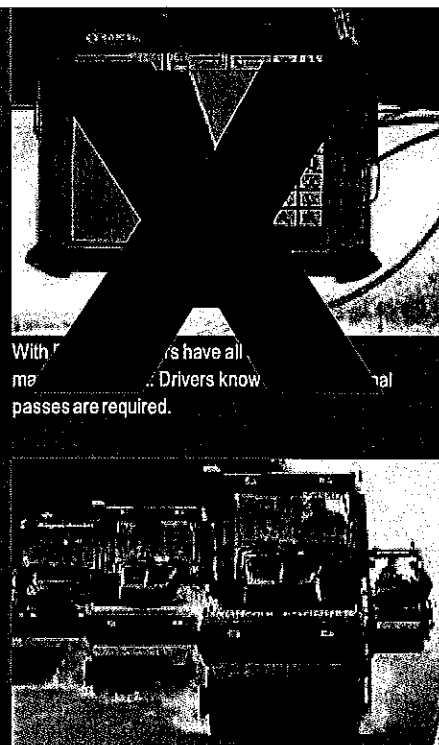
BGM-net

Asphalt rollers often work in interconnected operations. With BGM-net rollers are cross-linked with each other. Each driver is able to see the passes, temperatures and E_{vm} values (with AM) of all machines in different colours in real time. This optimizes the rolling patterns, even if one roller is e.g. filling water tanks. With BGM-net all data is saved for later evaluation. And machines from different manufacturers can be integrated.

Reliable and effective documentation provides evidence of all work performed. BOMAG has these answers, because BOMAG knows how sites operate.



ECONOMIZER knows when full compaction is reached: The lighting strip shows the degree of compaction and warns of over-compaction.



APPENDIX C

GOOD WORKMANSHIP IS MEASURABLE.

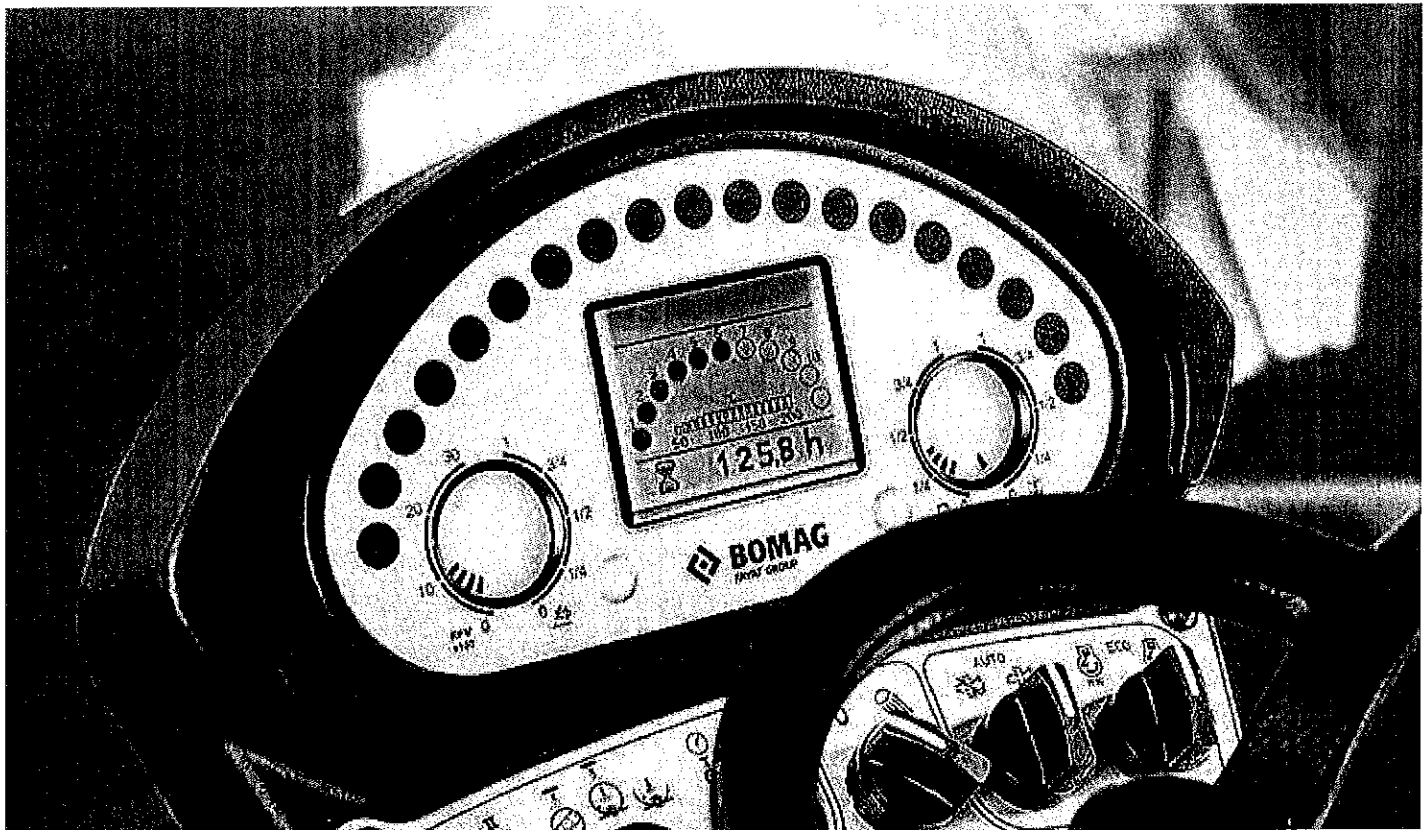
When has the right compaction for the material been reached? Only someone who knows the degree of compaction can make the right decision. Nowadays no one has the time and money to spend on unnecessary passes. BOMAG is a pioneer in measuring technology for compaction, which helps many operators to achieve optimum compaction results while still saving time and money. Minimum passes for maximum compaction.

A BOMAG DRIVER KNOWS WHEN COMPACTION IS FINISHED.

Unique in compaction technology: the ECONOMIZER from BOMAG, integrated in the central display, helps the driver achieve optimum compaction results. Operation is very simple because no activation or calibration is required. The ECONOMIZER automatically determines the compaction progress. A lighting strip informs the driver of the end of compaction, and avoids over-compaction. A warning light additionally indicates any risk of over-compaction. Also, the driver is informed about the optimum speed to use.

COMPACTION IS ACCURATELY DOCUMENTED WITH BCM: BOMAG COMPACTION MANAGEMENT

Many public tenders today ask for complete documentation of all works. BOMAG BCM (BOMAG Compaction Management) helps you to provide dependable documentation of the entire compaction process: a robust tablet PC in the cab and the BOMAG StarFire GPS-receiver are part of the BCM. Based on the GPS-data, the system generates continuous compaction charts in real-time.



APPENDIX C

WAIT NO LONGER!

BOMAG tandem rollers are efficient to service because the easiest and most cost effective service is one that is not necessary. So BOMAG tandem rollers don't need a single grease nipple.

BOMAG engineers always have practical use in mind. Experience has shown that the BOMAG EasyService concept with no grease nipples maximizes reliability. Special bearings with hermetic sealing and a permanent high-quality grease filling guarantee reliable lifetime lubrication. And, another side effect, the machine stays clean.

BOMAG EasyService also means easy access to all maintenance points, which can be comfortably reached from the ground. The single-unit hood made of composite material with strong gas springs swings up readily and reveals the entire engine compartment. All fluids can be reliably and neatly drained through external drains.



Easy refilling with a folding step.

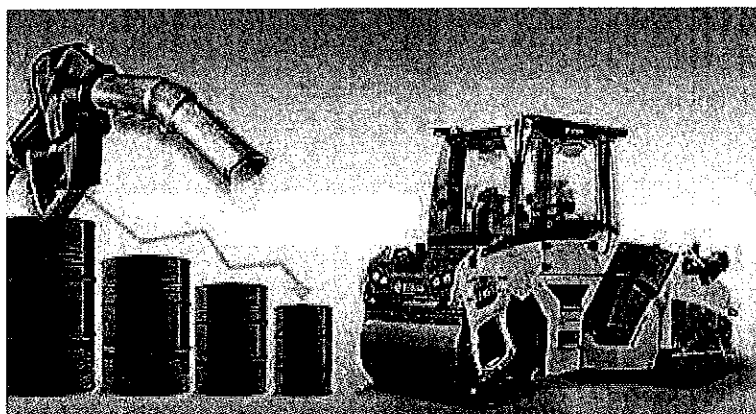


Lifetime lubrication. With BOMAG the grease gun can safely go into retirement, because there are now no grease nipples. No dirt in bearings – no lubricants leaking out!

APPENDIX C

SAVING WITH EVERY PASS.

Fuel costs are one of the major items in the calculation of operating costs for any machine, because over its lifetime, in most cases, they will exceed the purchasing price. BOMAG engineers have addressed this with BOMAG ECOMODE, an energy efficiency system, which saves significant gallons of fuel per year – every year. This reduces the operating costs and aids the environment.



THE ADVANTAGES:

- Load-dependent engine speed control saves up to 30% fuel
- Less noise eases stress on the driver and environment
- Idle speed shut-down reduces wear and operating costs and increases resale values

SMART CONTROL.

Conventional rollers always work with full engine speed to reach vibration frequency. BOMAG ECOMODE controls the engine in relation to load to give the exact actual power needed. The vibration frequency is maintained at a constant level by infinitely adjusting the hydraulic components. This keeps the overall system within the optimum power range and fuel consumption is reduced, without losing power and productivity. A positive side effect: with reduced speed the machine works more quietly. This is not only beneficial for the crew on site, it has a positive effect on acceptability of urban projects.

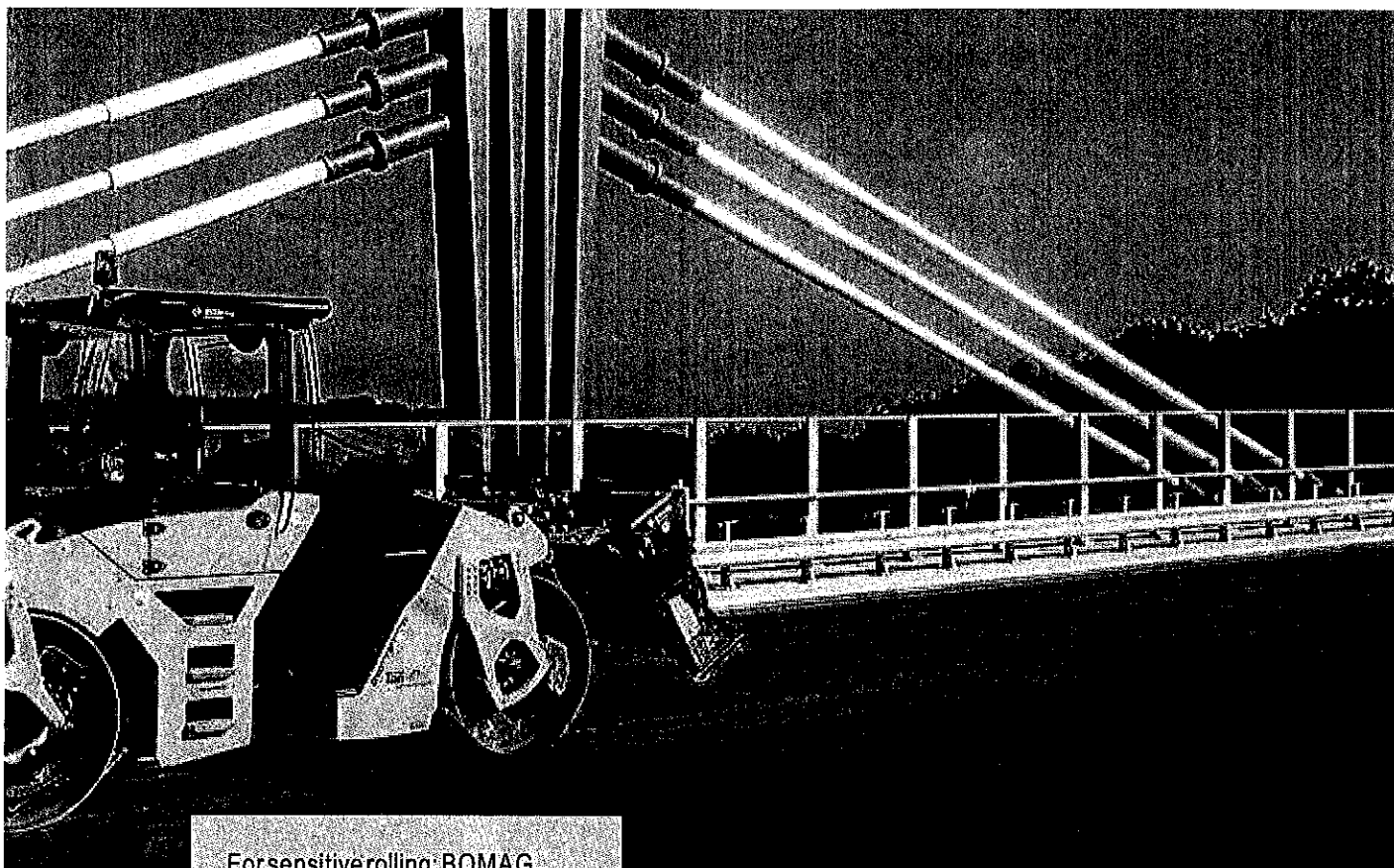
SMART SHUT DOWN.

BOMAG ECOSTOP shuts the engine down after a defined period of time at idle speed with consideration for parameters like temperature, battery, etc. Unnecessary fuel consumption is avoided and the operating hour meter stays low.

ENVIRONMENTAL PROTECTION AS STANDARD.

Depending on the power class, SCR catalysts and/or particulate filters are being used to reduce pollutants. Maintenance is minor, because the filter regenerates automatically during operation. No action is required from the driver. In models with SCR- catalyst, the tank capacity for the additive (AdBlue®) is rated so that it only needs to be replenished about every third refueling.

APPENDIX C



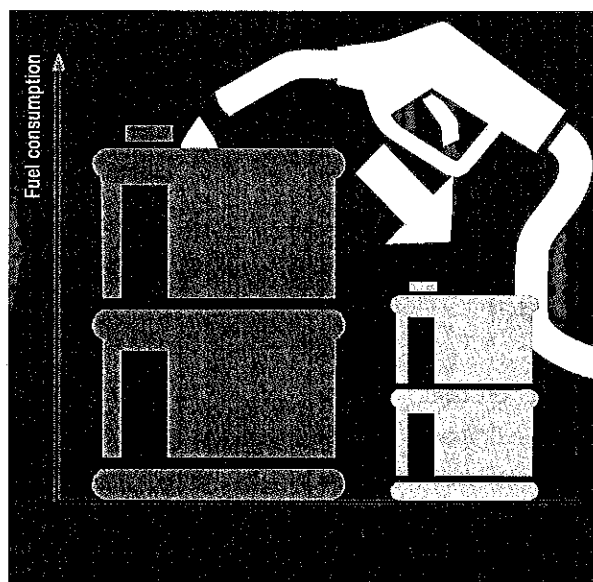
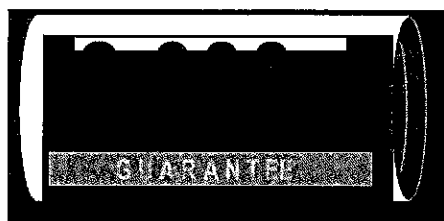
For sensitive rolling: BOMAG tandem rollers with TanGO oscillation. Careful compaction on seams & bridges.

nating its effective direction tangentially to the contact surface (forwards and backwards). The mat is actually compacted with double frequency.

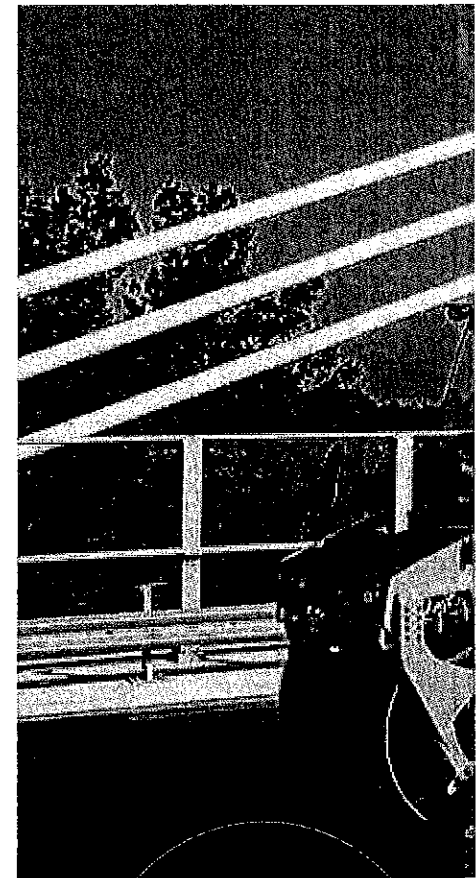
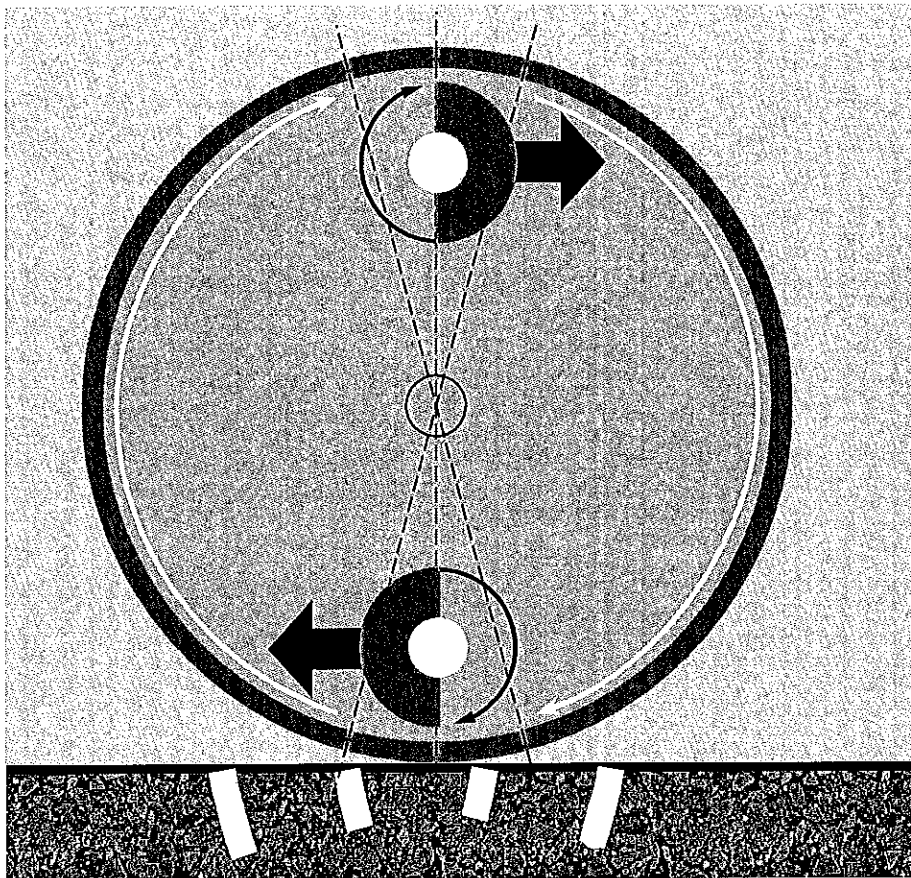
HIGHEST QUALITY

Others talk about quality. BOMAG guarantees quality: the TanGO drum is made of highly wear-resistant fine grain steel. So BOMAG can guarantee a lifetime of at least 8,000 hours. Others can only be amazed ...

TanGO
...BOMAG-Oszillation



Compared with conventional oscillation rollers, TanGO consumes less fuel. Because BOMAG makes such good use of physics, the unbalanced masses are arranged towards the outside, reducing inertia forces and requiring less energy.



THE TECHNOLOGY FOR SENSITIVE ROLLING: TanGO.

360°
TECHNOLOGY

TanGO is the answer when sensitive compaction is needed:

SIMPLE TO USE

TanGO compacts risk-free e.g. on seams, on bridges or near buildings. And even better, TanGO is simple to operate: it comes with only one amplitude, which is optimised for all applications.

ALWAYS CAREFUL

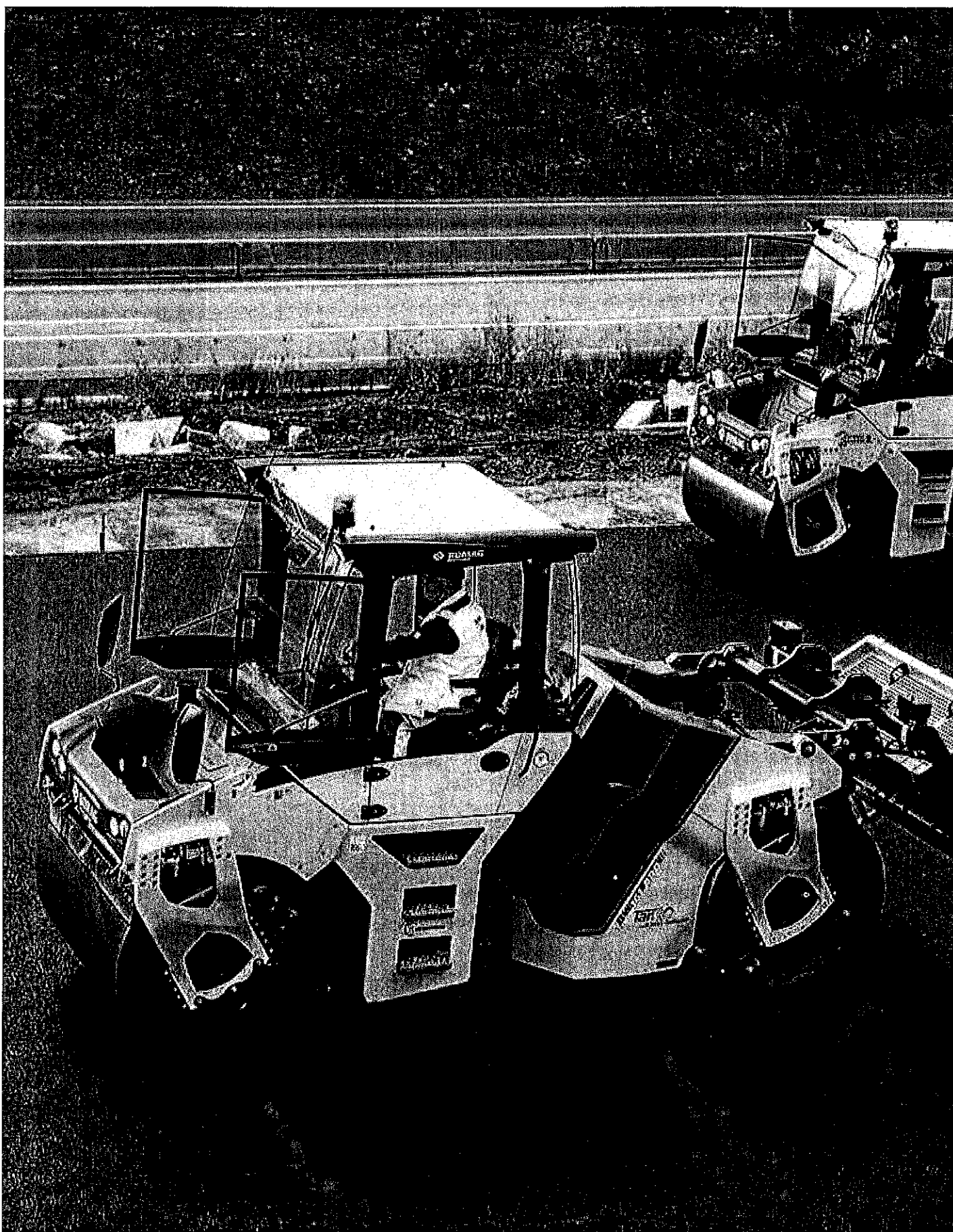
BOMAG tandem rollers with TanGO always compact with care. The drum cannot bounce, TanGO always works tangential to the surface. This has two advantages:

on one hand there is no crushing of aggregate; on the other hand no bow waves are created, even when working at higher working speeds. The TanGO drum is in the rear of the machine, so the front vibrating drum can be used for thicker layers or so the front vibrating drum can be used for thicker layers or for applications where additional conventional compaction would be beneficial.

THE CONCEPT

TanGO compaction uses two exciter shafts rotating in the same direction, so that a torque is generated around the drum axis. The drum quickly keeps alter-

APPENDIX C



APPENDIX C

YOUR CHOICE.

Each application is different – all construction sites come with new challenges. This is why the right philosophy is not what matters in asphalt compaction, but the right technology! With BOMAG you can choose how to match your operation and your work. We always have the right technology at hand for every application. And all from one source.

TanGO
...BOMAG-Oszillation

**ASPHALT
MANAGER 22**
VIB

OUR STANDARD: DOUBLE VIBRATION

With two amplitudes and individually operable drums, this technology covers a wide range of applications on many projects. Proverbial BOMAG quality goes without saying and our equipment specs meet every requirement.

FOR SENSITIVE WORK: TanGO

Wherever careful compaction is required, TanGO oscillation from BOMAG is the answer. The high wear-resistant drums and a factory warranty of 8,000 operating hours always put you on the safe side.

NO MORE GUESSWORK: ASPHALT-MANAGER

Exclusively from BOMAG. This is a Manager that you really can trust. Dial in the layer thickness and off you go. Everything is controlled and monitored by the ASPHALT-MANAGER material, degree of compaction, temperature, control of the direction of compaction. The driver just concentrates on the rolling pattern and co-ordinates with colleagues on interconnected rolling operations.



Which manufacturer offers a choice of three vibration systems? BOMAG. Because BOMAG knows exactly what every contractor wants.

2

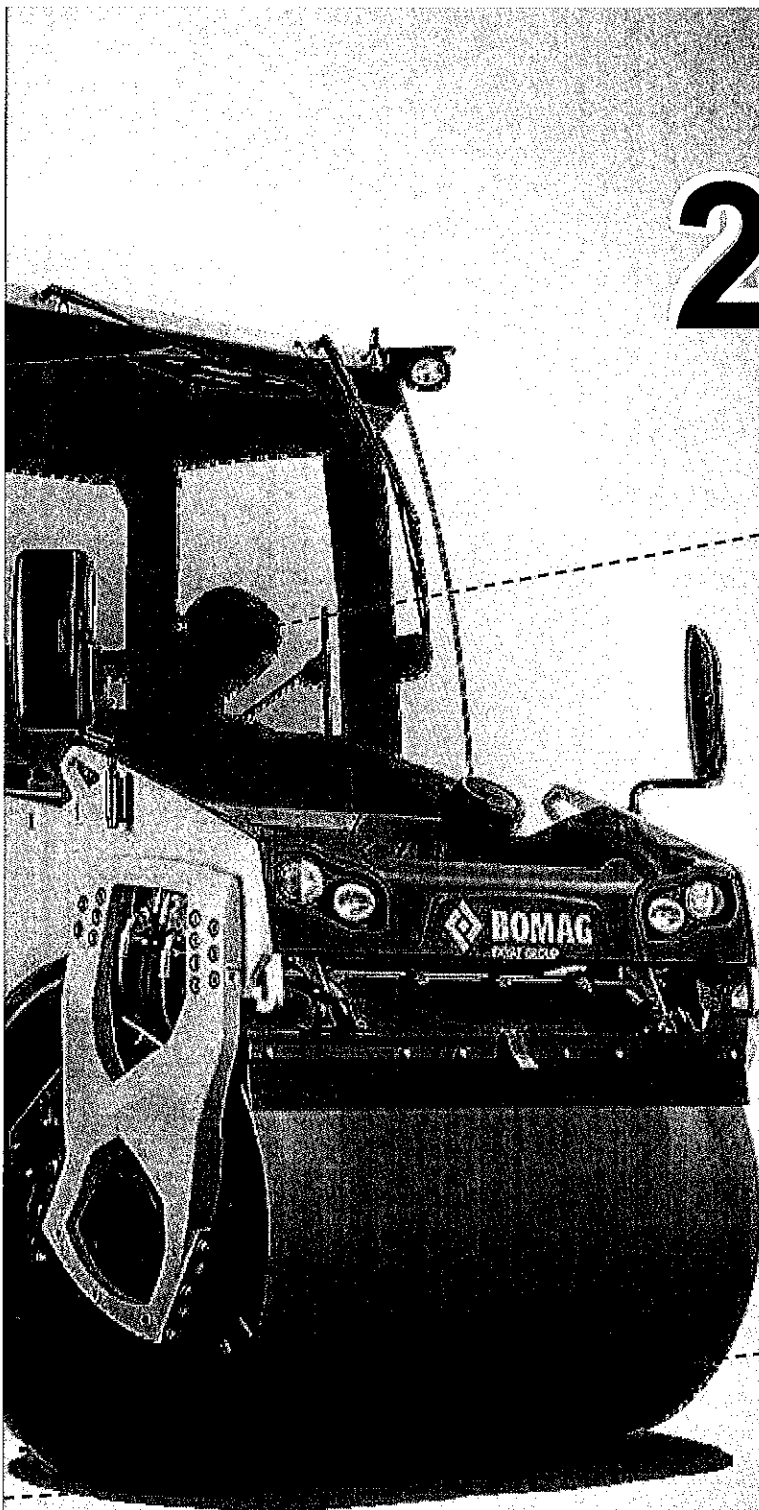
THE DRIVER'S STATION: OPTIMISED!

BOMAG always considers the roller driver. His work place provides the best view and offers space and operating comfort at the highest level. This ensures good workmanship and efficiency.

3

COMPACTION: RIGHT FIRST TIME!

Simple and reliable compaction thanks to ECONOMIZER and BCM. Unnecessary passes are avoided, compaction is accurately documented. Optimised compaction is so easy.



FIVE GOOD REASONS TO CHOOSE BOMAG.

1

MAINTENANCE: FAST!

Daily maintenance is essential and with EasyService all maintenance points can be easily reached from the ground. And without any grease nipples.

5

ECONOMY: OUTSTANDING!

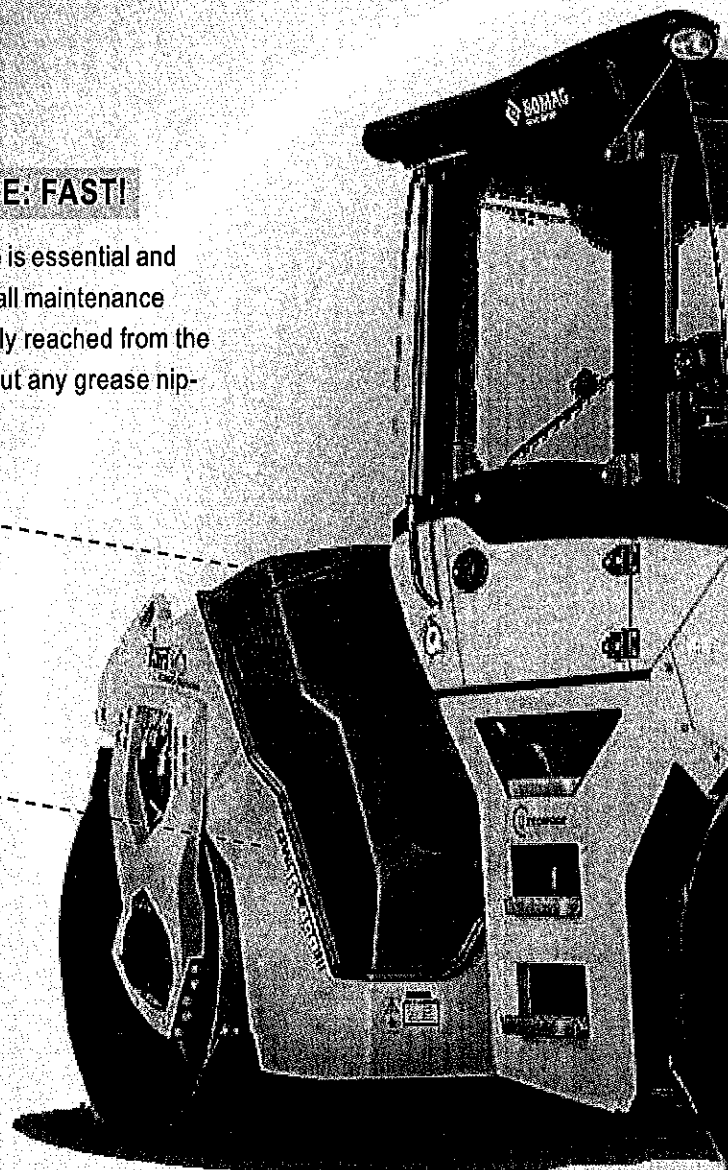
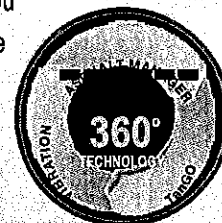
ECOMODE provides load-dependent and economical working without high engine speeds. Giving excellent fuel economy and maximum efficiency on every type of road construction project.



4

VIBRATION: THREE CHOICES!

Only BOMAG tandem rollers offer you three vibration systems. With double vibration, TanGO and ASPHALT MANAGER you have three technologies to choose from.



APPENDIX C

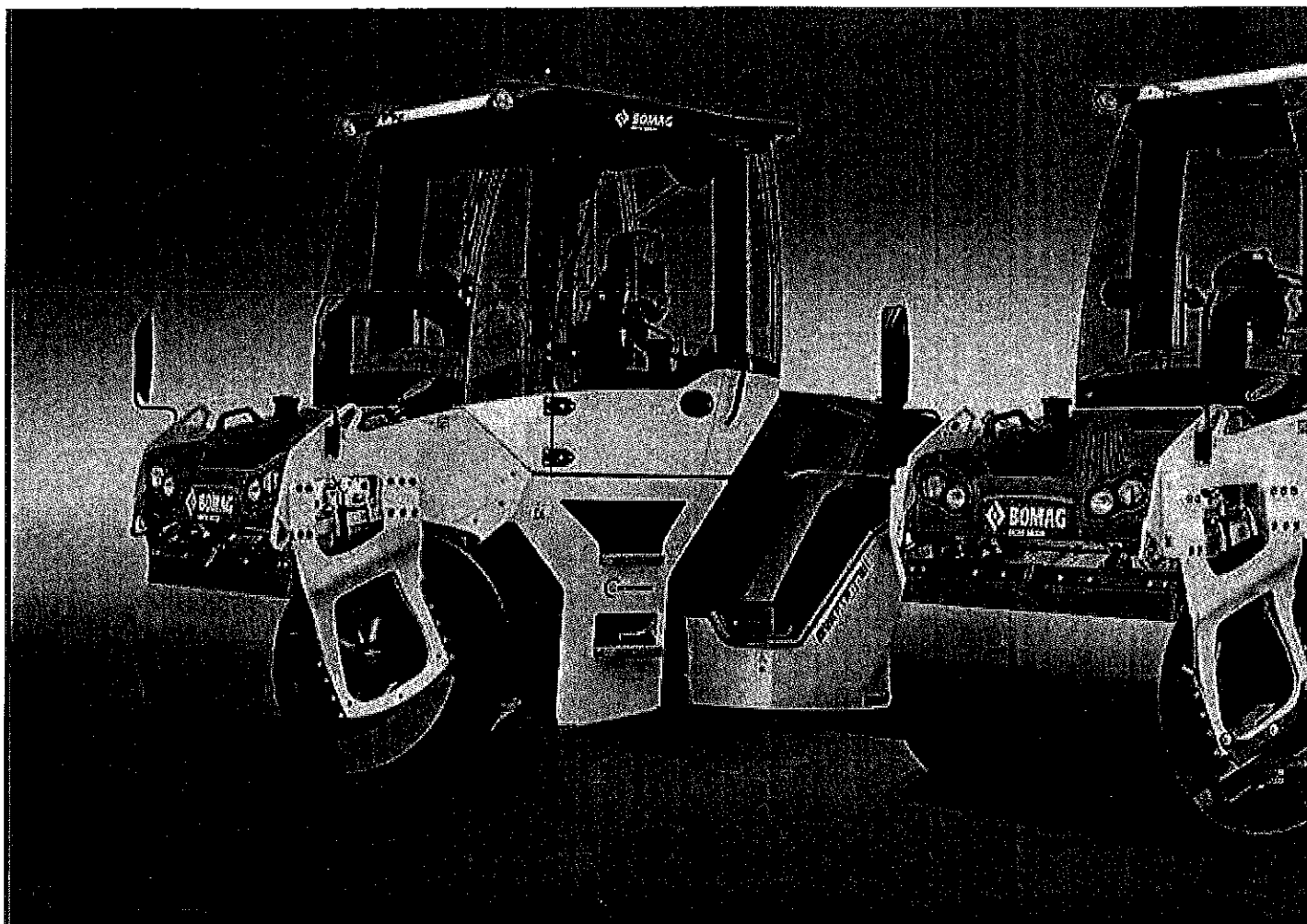


With an operating weight of 15,000 lb and above, BOMAG tandem rollers are the first choice for many applications. With cab or ROPS, productivity and operating comfort is always there.

Trust in the expertise of our engineers and the strength of our sales and service network. Trust in proverbial BOMAG quality. Because at BOMAG we concentrate on just one target: enhancing your productivity.



APPENDIX C



ENHANCING PRODUCTIVITY.

ASPHALT COMPACTION WITH BOMAG EXPERTISE.

Better is the enemy of good. With this motto, BOMAG has developed, designed and built compaction equipment for the last 60 years. Our engineers strive to make each new model generation a little better, more economical and productive than the previous generation. And they always pursue one target: a BOMAG must be able to finish work quicker, more comfortably and professionally.

The close contact we maintain with our customers helps us to find ways to achieve true increases in productivity, enabling you to complete your work perfectly and productively.

With ECONOMIZER, TanGO and ~~ASPHALT-MANAGER~~ we have once again set new standards and demonstrated that real innovation always meets a need: not just what is technically feasible: practicality means progress.

APPENDIX C



SUPERIOR TECHNOLOGY. OPTIMAL COMPACTION.

ARTICULATED TANDEM ROLLERS, 15,000 LB AND OVER.



Technical Specifications

BW161AD-5 HF, BW190AD-5 HF

Shipping dimensions

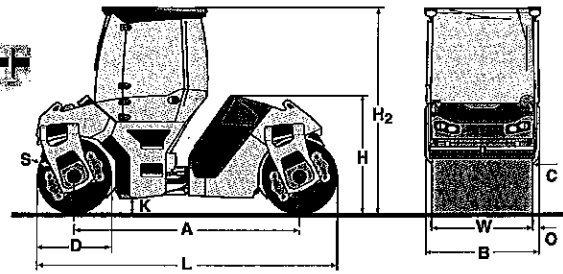
in cubic feet (m³)	with ROPS	without ROPS
BW161AD-5 HF	957.1 (27.1)	726.5 (20.6)
BW190AD-5 HF	1119 (31.7)	849.1 (24.0)

Standard Equipment

- ☒ 2 amplitudes / 2 frequencies
- ☒ Automatic vibration operation
- ☒ Individual vibration control
- ☒ Adjustable driver's seat - 180 degrees - laterally slidable with steering wheel
- ☒ On-board indicators
 - engine speed, speedometer, fuel consumption, engine temperature
- ☒ Pressure sprinkling system with 2 pumps
- ☒ Low water level indicator
- ☒ Indicator and hazard lights
- ☒ Back-up alarm
- ☒ Battery disconnect switch
- ☒ Storage for documents and tools
- ☒ Emergency stop button
- ☒ ROPS/FOPS w/ safety belt

Optional Equipment

- ☐ ECONOMIZER
- ☐ Asphalt temperature display
- ☐ ROPS cab w/ seat belts
- ☐ Heating
- ☐ Working head lights
- ☐ Air conditioning w/ cab option
- ☐ Radio w/ cab option
- ☐ LED lights for cab roof (flatbeam)
- ☐ Edge cutter
- ☐ Grab walls to both sides 6.7 in. (170 mm)
- ☐ Lighting for drum cage front and rear
- ☐ Seal heating
- ☐ Chassis monitor
- ☒ Rotary beacon
- ☒ Environmentally friendly hydraulic oil
- ☐ BOMAG TELEMETRIC POWER



Dimensions in inches (mm)

	A	B	C	D	H	H2	K	L	O	S	W
BW161AD-5 HF	142.5 (3620)	72.3 (1836)	26.4 (670)	48 (1220)	91.1 (2315)	120.1 (3050)	9.8 (250)	190.6 (4840)	3.1 (78)	0.67 (17)	66.1 (1680)
BW190AD-5 HF	142.5 (3620)	72.3 (1836)	26.4 (670)	48 (1220)	91.1 (2315)	120.1 (3050)	9.8 (250)	190.6 (4840)	3.1 (78)	0.67 (17)	66.1 (1680)

Technical Data

BOMAG

BW161AD-5 HF

~~BOMAG~~
~~BW190AD-5 HF~~

Weights

Operating weight with ROPS.....	lb (kg)	21600 (9800)	26100 (11850)
Operating weight with cab.....	lb (kg)	22045 (10000)	26500 (12050)

Drive

Engine manufacturer.....	Kubota	Kubota
Type.....	V3800 CR-TT	V3800 CR-TT
Emission stage.....	Tier 4i	Tier 4i
Cooling.....	water	water
Number of cylinders.....	4	4
Performance ISO 14396.....	hp (kW)	114 (85)
Speed.....	rpm	2600
Electric equipment.....	V	12

Brakes

Service brake.....	hydrost.	hydrost.
Parking brake.....	multi disc	multi disc

Steering

Steering system.....	oscil. artic.	oscil. artic.
Track radius, inner.....	in (mm)	190.8 (4797)
Lateral displacement right/left (crab steer option).....	in (mm)	6.7 (170)

Exciter system

Vibrating drum.....	front + rear	front + rear
Automatic vibration shut off.....	standard	standard
Frequency.....	vpm (Hz)	3000/4200 (50/70)
Amplitude.....	in (mm)	0.023/0.010 (0.6/0.26)
Centrifugal force.....	lb (kN)	5975/27870 (17/124)

Capacities

Fuel.....	g (l)	38.3 (145)	38.3 (145)
Water.....	g (l)	198.1 (750)	198.1 (750)

Technical modifications reserved. Machines may be shown with options.



BOMAG
FAYAT GROUP

BOMAG Americas, Inc.
125 Blue Granite Parkway
Ridgeway, SC 29130 • Tel: 803 337-0700

2M0315PPG 92110, 92112 R1



BOMAG

FAYAT GROUP

APPENDIX C

Tandem Vibratory Rollers

BW161AD-5 HF, ~~BW190AD-5 HF~~



KEY FEATURES

- 2 Amplitudes / 2 Frequencies
- Kubota Tier 4i engine
- ECOMODE
- ECONOMIZER option
- Visible sightlines to drum edge
- Open operator's platform
- 180 degree swivel operator's seat
- Crab walk option

APPENDIX C

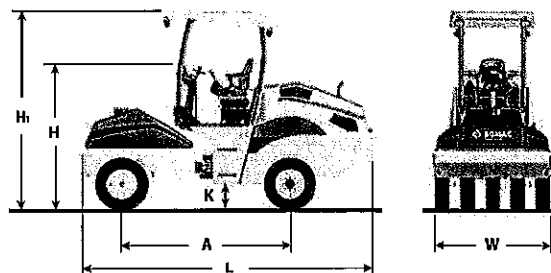
APPENDIX B

Technical Specifications

BW11RH-5

Shipping dimensions

in cubic feet (m³)	without	with ROPS/FOPS
BW11RH-5	568.7 (16.1)	824 (23.3)



Dimensions in inches (mm)

	A	H	H1	K	L	W
BW11RH-5	100 (2540)	82 (2083)	113 (2870)	13 (330)	173 (4445)	68 (1727)

Standard equipment

- ☒ Hydrostatic transmission
- ☒ Tier 4 final Kubota Diesel Engine
- ☒ Nine 7.50 x 15, 14 ply tires
- ☒ Fuel gauge
- ☒ Horn
- ☒ Hydrostatic, center articulated steering with $\pm 10^\circ$ frame oscillation
- ☒ Rear wheel oscillation:
 - $\pm 4^\circ$ outside
 - $\pm 5^\circ$ center
- ☒ Spring-Applied, Hydraulically-Released (SAHR) brakes
- ☒ 150 gallon polyethylene water tank
- ☒ Roll-Over, Falling-Object Protective Structure (ROPS/FOPS) and seat belts

Optional equipment

- ☒ Cabin with heat, AC, etc.
- ☒ Headlights (front and rear)
- ☒ Turn signals and 4-way flashers
- ☒ Rear retention devices
- ☒ Pressurized water spray system
- ☒ Special spray application
- ☒ (front/rear)
- ☒ Radial Tires w/ approx. 14 ply rating
- ☒ Steel ballast

Technical data

Weights

Basic/Shipping weight.....	lb (kg)	11075 (5022)
Operating weight (unballasted).....	lb (kg)	12231 (5547)
Operating weight (max. allowable ballast) w/ ROPS/FOPS.....	lb (kg)	20000 (9054)
Operating weight (max. allowable ballast) w/ sub www.bomag.com	lb (kg)	20000 (9054)
Average wheel load, (max.).....	lb (kg)	2222 (1006)

Dimensions

Working width.....	in (mm)	68 (1727)
Wheel track overlap.....	in (mm)	0.5 (12.5)
Height with ROPS/FOPS.....	in (mm)	113 (2870)
Track radius, inner.....	in (mm)	122 (3099)
Dimensions.....		see sketch

Driving Characteristics

Speed (low).....	mph (kmph)	8.0 (12.9)
Speed (medium).....	mph (kmph)	10.5 (16.9)
Speed (high).....	mph (kmph)	15.5 (25.0)

Drive

Engine manufacturer.....	Kubota
Type.....	V3307
Emissions Standard.....	Tier 4 final
Cooling.....	water
Number of cylinders.....	4
Performance SAE J1995.....	hp (kW)
Speed.....	rpm
Fuel.....	diesel
Electric equipment.....	V
Drive system.....	hydrostatic
Driven axles.....	front

Tires

Number of tires, front/rear.....	5/4
Tire size	7.50 x 15, 14 ply
Oscillation of tires front, outside/center	deg 4/5

Brakes

Service brake.....	hydrostatic
Secondary/Parking brake.....	SAHR

Steering

Steering system.....	oscillating, articulating
Steering method.....	hydrostatic
Steering angle +/-.....	deg 35
Oscillating angle +/-.....	deg 10

Water Spray System (optional)

Type of water spray system.....	pressurized
---------------------------------	-------------

Capacities

Fuel.....	gal (l)	50 (190)
Water.....	gal (l)	140 (532)
Engine oil.....	gal (l)	2.5 (9.5)
Hydraulic fluid.....	gal (l)	28.5 (108)



APPENDIX B

Featuring...



Center swivel seat provides excellent comfort and visibility in both travel directions

Handling is Easier & Safer:

- Hydrostatic Steering with automotive type steering wheel provides controlled maneuverability through turns.
- Brakes apply automatically when engine is shut down or with loss of transmission system hydraulic pressure.
- Functional frame design incorporates strategically placed ballast compartments providing a low center of gravity, exceptional stability and uniform weight distribution when fully ballasted.
- Standard ROPS/FOPS, which also functions as sun canopy, with seat belts deliver operator safety.
- Operating Safety is further enhanced by adding the optional turn signals and 4-way flashers.
- Zero overhang; two inches overhang with optional pressurized water spray system and heat shields

*Pneumatic tired models
provide maximum versatility*

Achieve Maximum Productivity:

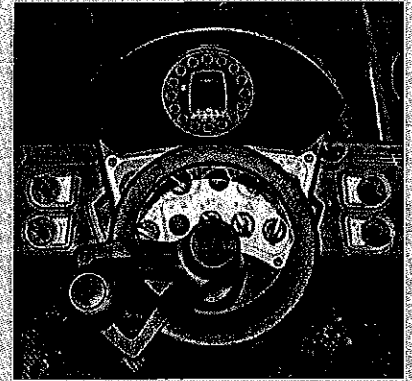
- Centerpoint steering allows the wheels to provide full width coverage on turns requiring fewer passes to achieve optimum compaction results.
- Three speed hydrostatic transmission provides maximum gradeability in low range, optimum performance in medium or work range and top production in high range.
- Short, ten foot inside turning radius, accomplished through 35 degree centerpoint articulation, takes compaction up to tight, curving curblines.
- Ten degrees oscillation assures uniform compaction on irregular surfaces.
- Center swivel seat cockpit design places controls within easy reach and provides excellent visibility in both travel directions.
- Optional heat retention shields help maintain high tire temperatures, preventing asphalt pickup that could damage the mat.
- Optional pressurized water spray system provides efficient water usage, extending time between refills.

Less Service & Maintenance:

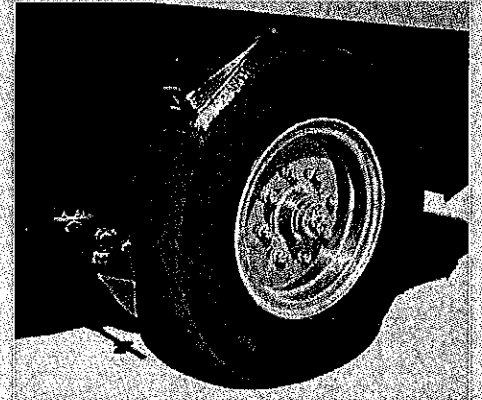
The purchase price is important, but so are the operating costs. Check these features:

- Maintenance-free SAHR brakes are an integral part of the travel motors, allowing an emergency/parking brake provision. Brakes meet highest standards, ISO 3450.
- Wide opening engine hood allows easy access for servicing.
- Maintenance and check points are accessible while standing on the ground.
- The heavy duty, maintenance free centerpoint oscillating and articulating centerjoint provides long life.
- Self-lubricating bushings are virtually maintenance-free.
- The frame is constructed of heavy steel plate to provide maximum strength and durability.

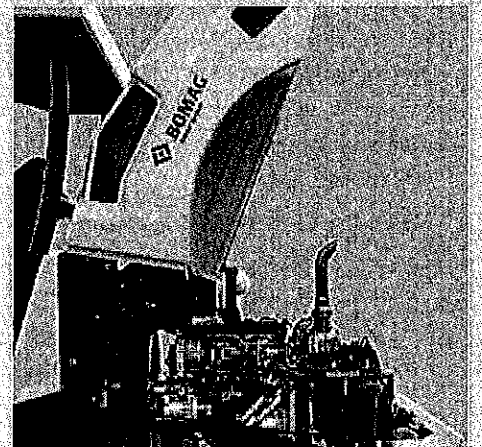
Best for
COMPACTION



Cockpit design places controls within easy reach and provides unobstructed visibility



Cocoa mats on each tire help eliminate material pick-up

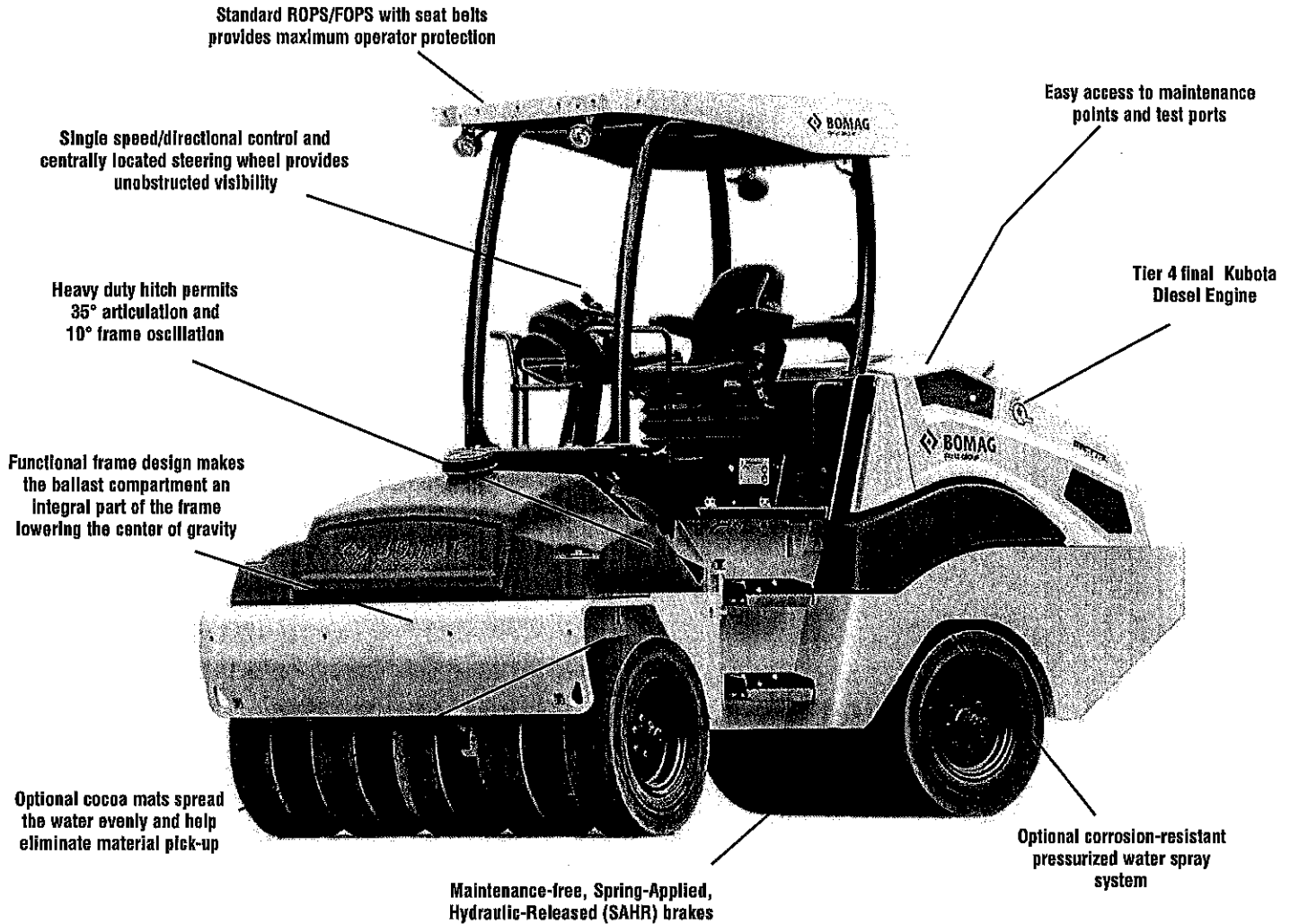


Easy access means fast servicing

*With these features and many more, it's
easy to see why this model maintains
a high residual value while delivering
lower lifetime operating costs.*

APPENDIX B

BW11RH-5



BW11RH-5 - continuing the tradition of excellence...

The BW11RH-5 pneumatic tired roller is one of the most versatile machines in the Bomag line. This roller achieves its high compaction performance through the combined effect of vertical pressure with the horizontal forces directed to all sides under each of the nine, overlapping tires.

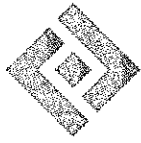
Wheels and frame oscillate to deliver balanced wheel loads and uniform compaction. Further enhancing its versatility and maneuverability, the BW11RH-5's hydrostatic, centerpoint, articulated steering delivers a short, ten foot turning radius achieving optimum compaction on tight, curving curblines.

Applications:

- Highway construction and maintenance
- Driveways
- Parking lots
- Chip and seal



BW11RH in action on an asphalt resurfacing application



BOMAG
FAYAT GROUP

APPENDIX B

Pneumatic Tired Roller

BW11RH-5



TIRE INFLATION PRESSURE P.S.I			GROUND CONTACT PRESSURE P.S.I						
Wheel Loads	Ballast Combinations lbs		14 Ply tire pressure			Opt 14 Ply Radial tire pressure			
lbs	Front	Rear	45	75	100	45	75	100	130
1,500 (680 kg)	3,355 (1,521 kg)	0	46	49	55	32	46	61	81
2,000 (907 kg)	5,855 (2,655 kg)	1,070 (485 kg)	63	63	77	40	57	72	99
2,222 (1,006 kg)	6,965 (3,153 kg)	1,958 (885 kg)	X	68	82	X	61	73	94

Operating weight, 12,231 lbs (5547 kg), includes ROPS, full fuel tank, 1/2 full water spray tank, and 175 lbs (80 kg) operator.

APPENDIX B

APPENDIX A

Optional equipment may vary. Consult your Cat dealer for details.

	kg	lb
ELECTRICAL		
Alternator, 280 ampere	2	5
Batteries:		
extreme duty, 1,400 CCA	14	30
Converter, communication (CB)	5	11
Lights:		
Headlights, high	5	11
Headlights, low	5	11
Working lights, basic	9	20
Working lights, plus	10	22
Warning: beacon or strobe	2	5
Mounting for warning light	5	11
GUARDS		
Fenders, front	56	123
Fenders, rear	24	75
Sound suppression (bottom)	110	243
Sound suppression (enclosure)	110	243
Transmission	141	311
OPERATOR ENVIRONMENT		
Fan, defroster, rear window	2	4
Mirrors, outside:		
heated, 24V	15	33
mounted	15	33
Precleaner, HVAC	5	10
Radio ready, AM/FM	9	20
Seat, air suspension, cloth	2	5
Shade, sun	2	5
Wiper/washer, rear	2	4

	kg	lb
POWER TRAIN		
Air wheel drive	590	1,300
Fuel tank, fast fill	14	31
Oil, hydraulic, biodegradable synthetic	0	0
Precleaner, snow	2	4.4
Starter, heavy duty, 1,000 Amp	10	22
Transmission, autoshift 2		5
OTHER ATTACHMENTS		
AccuGrade ARO	39	85
Accumulators, blade lift	77	170
Camera, rearview	9	20
Cat Product Link 321SR	5	10
Drain, ecology, engine Wiggins	2	5
Encoder, front, AND	56	124
Encoder, rear, AND	110	262
Heater, engine coolant:		
120V	1	3
240V	1	3
Hydraulic arrangements with one or more additional hydraulic valves are available for rear ripper, dozer, snow plow and snow wing.		
Snow wing mounting, frame ready	91	200
Sound suppression	15	32
Starting aid, ether	0.5	1

	kg	lb
WORK TOOLS/G.E.T.		
Blade extension, for hand, 610 mm (2 ft)	119	249
Cutting edges, curved	43	95
Endbits, overlay	24	52
Front lift group, mounting	5	11
Front lift group, mechanical	680	1,500
Grader bit, narrow and super penetration	181	400
Mid-Mount Scarifier, Package	942	2,077
Mid-Mount Scarifier, Mounting	57	125
Moldboard		
420 mm x 670 mm x 100 mm (14 ft x 24 in x 7/8 in)	100	220
426 mm x 686 mm x 257 mm (14 ft x 27 in x 1 in)	257	567
Push plate, counterweight	1285	2,833
Ripper, mounting	32	70
Ripper, rear	962	2,120
Ripper tooth	28	61
Scarifier front	424	956
Snow Arrangement	161	355
Snow Wing Ready Package	114	255
MACHINE ARRANGEMENTS		
Canadian Arrangement	2	4
European Arrangement	289	637
European Rooding Arrangement	451	994

120M2/120M2-AWD Standard Equipment

APPENDIX A

Standard Equipment

Standard equipment may vary. Consult your Cat dealer for details.

POWER TRAIN

- Air cleaner, dual stage, dry type, diesel, with automatic engine derate and automatic dust ejector, service indicator through Cat Messenger
- Air-to-air after cooler (ATAAC)
- Belt, serpentine, automatic tensioner
- Brakes, oil disc, four-wheel, hydraulic
- Demand fan, hydraulic, swing-out
- Differential lock/unlock, automatic
- Drain, engine oil, ecology
- Electronic over speed protection
- Engine, C7.1 with ACERT Technology, Tier 4 Interim and Stage IIIB equivalent emission standards
- Fuel tank, 378 L (100 gal), ground level access and sediment drain
- Parking brake – multi-disc, sealed, oil-cooled
- Priming pump, fuel
- Rear axle, modular
- Sediment drain, fuel tank
- Tandem drive
- Transmission, 8F/6R, power shift, direct drive
- VHP Plus (Variable Horsepower)

ELECTRICAL

- Alarm, back up
- Alternator, 150 ampere, sealed
- Batteries, maintenance free, heavy duty, 1,125 CCA
- Breaker panel, ground accessible
- Cab harness and electrical hydraulic valves
- Electrical system, 24V
- Grade Control Ready – Cab harness, software, electrical hydraulic valves, bosses and brackets
- Lights, roof-mounted roading, reversing, LED stop and tail
- Product Link Ready
- Starter, electric

OPERATOR ENVIRONMENT

- Accelerator
- Air conditioning with heater
- Arm and wrist rest, electronically adjustable
- Articulation, automatic Return-to-Center
- Ashtray and lighter
- Cat Messenger operator information system
- Centershift pin indicator
- Coat hook
- Cup holder
- Display, digital speed and gear
- Doors, left and right side with wiper
- Gauge, machine level
- Gauge cluster (analog) – fuel, articulation, engine coolant temp, engine RPM, hydraulic oil temp, regen
- Hour meter, digital
- Joystick hydraulic controls right/left blade lift with float position, circle drive, blade sideshift and tip, centershift, front wheel lean, articulation and power steering
- Joystick, adjustable armrests
- Joystick gear selection
- Joystick hydraulic power steering
- Ladders, cab, left and right side
- Lights, night time cab
- Mirror, inside rearview, wide angle
- Power port, 12V
- Radio Ready, Entertainment
- ROPS cab, sound suppressed 70 dB(A)
- Seat, cloth-covered, comfort suspension
- Seat belt, retractable 76 mm (3 in)
- Storage area for cooler/lunchbox
- Throttle control, electronic
- Windows, laminated glass:
 - fixed front with intermittent wiper
 - side and rear (3)

FLUIDS

- Antifreeze
- Extended Life Coolant to -35°C (-30°F)

TIRES, RIMS AND WHEELS

- Partial allowance for tires on 254×607 mm (10×24 in) multi-piece rims is included in the base machine price and weight

OTHER STANDARD EQUIPMENT

- Accumulators, brake, dual certified
- Anti-glare paint
- Bumper, rear, integrated with hitch
- CD ROM Parts Book
- Clutch, circle drive slip
- Cutting edges
 - 152×16 mm ($6 \times 5/8$ in)
 - curved DH-2 steel
 - 19 mm ($3/4$ in) mounting bolts
- Doors (3), engine compartment, locking
- Drawbar – 6 shoes, replaceable wear strips
- Electrical hydraulic valves, hydraulic lines for base 8 functions
- Endbits
 - 16 mm ($5/8$ in) DH-2 steel
 - 19 mm ($3/4$ in) mounting bolts
- Fluid check, ground level
- Frame, articulated, with safety lock
- Ground level engine shutdown
- Hammer (emergency exit)
- Horn, electric
- Hydraulic lines for base functions
- Lockout, hydraulic implement (for roading and servicing)
- Moldboard – $3658 \times 610 \times 22$ mm ($12 \text{ ft} \times 24 \text{ in} \times 7/8 \text{ in}$)
- Mounting, cab roof accessories
- Pump, hydraulic, high capacity, 98 cm^3 (6 in^3)
- Radiator, cleanout access (both sides with swing doors)
- Secondary steering
- Serviceability, LH side
- S-O-S ports: engine, hydraulic, transmission, coolant, fuel
- Tandem walkway/guards
- Tool box
- Tow hitch

APPENDIX A

120M2/120M2-AWD Motor Graders Specifications

Optional Tire Arrangements

Wheel Group		Tires	Tire Arrangement Weight (Total – 6 Tires)	
9x24 SP	13.00-24	Firestone SGG RB 12PR	775 kg	1,709 lb
14x25 MP	17.5-25	Goodyear HRL DL 3A 16 PR	1487 kg	3,278 lb
14x25 MP	17.5R25	Michelin XHA 1 Star	1523 kg	3,357 lb
14x25 MP	17.5R25	Michelin XTLA 1 Star	1373 kg	3,026 lb
10x24 MP	14.0-24	Goodyear SGG-2A 16 PR	1173 kg	2,586 lb
10x24 MP	14.0R24	Michelin XGLA2 1 Star	1209 kg	2,666 lb
10x24 MP	14.0R24	Bridgestone VKT 1 Star	1371 kg	3,023 lb
10x24 MP	14.0R24	Michelin XSNO+ 1 Star	1305 kg	2,877 lb
10x24 MP	14.0R24	Bridgestone VUT 1 Star	1269 kg	2,798 lb
9x24 SP	14.0R24	Michelin XGLA2 1 Star	1049 kg	2,313 lb
14x25 MP	17.5R25	Bridgestone VKT 1 Star	1523 kg	3,357 lb
13x25 SP	17.5R25	Michelin XHA 1 Star	1320 kg	2,911 lb
13x25 SP	17.5R25	Michelin XTLA 1 Star	1170 kg	2,580 lb
120M2-AWD				
14x25 MP	17.5R25	Michelin XSNO+ 1 Star	1402 kg	3,094 lb
14x25 MP	17.5-25	Firestone SGG 12PR	1207 kg	2,661 lb
14x25 MP	17.5R25	Bridgestone VSW 1 Star	1673 kg	3,688 lb
10x24 MP	14.0R24	Bridgestone VSW 1 Star	1305 kg	2,876 lb

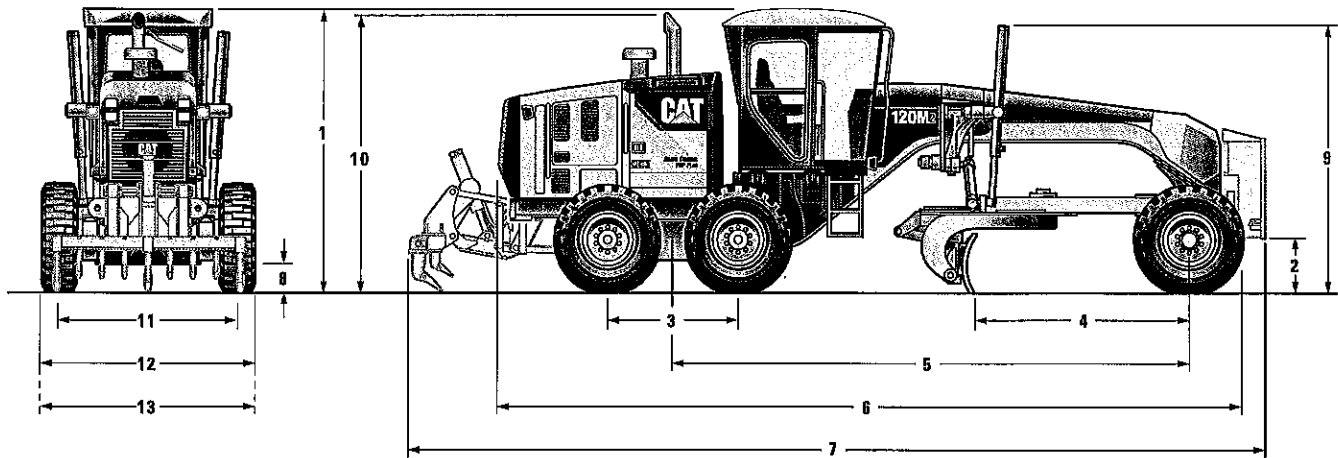
For a complete list of tire options, contact your local Cat dealer.

120M2/120M2-AWD Motor Graders Specifications

APPENDIX A

Dimensions

All dimensions are based on 14.0R24 tires.



1	Height – Top of Cab	3308 mm	130.2 in
2	Height – Front Axle Center	596 mm	23.5 in
3	Length – Between Tandem Axles	1510 mm	59.4 in
4	Length – Front Axle to Moldboard	2510 mm	98.8 in
5	Length – Front Axle to Mid Tandem	5917 mm	233 in
6	Length – Front Tire to Rear of Machine	8820 mm	347.2 in
7	Length – Counterweight to Ripper	10 032 mm	395.0 in
8	Ground Clearance at Rear Axle	348 mm	13.7 in
9	Height to Top of Cylinders	2917 mm	114.8 in
10	Height to Exhaust Stack	3258 mm	128.3 in
11	Width – Tire Center Lines	2119 mm	83.4 in
	Width – Tire Center Lines Front (AWD)	2223 mm	87.5 in
12	Width – Outside Rear Tires	2490 mm	98.0 in
13	Width – Outside Front Tires	2511 mm	98.9 in
	Width – Outside Front Tires (AWD)	2594 mm	102.1 in

120M2/120M2 AWD Motor Graders Specifications

Weights – AWD**Gross Machine Weight, Dimension**

Total	46,880 kg	103,214 lb
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Front Axle	44,051 kg	97,174 lb
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Rear Axle	12,445 kg	27,458 lb
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Gross Vehicle Weight, Maximum

Total	20,280 kg	44,937 lb
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Front Axle	11,140 kg	24,565 lb
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Rear Axle	15,110 kg	33,212 lb
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Operating Weight, Typically Equipped

Total	18,987 kg	41,859 lb
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Front Axle	9,266 kg	20,514 lb
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Rear Axle	12,710 kg	28,041 lb
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Base operating weight calculated on standard machine

configuration with 1600 tires, full fuel tank, work light,

and rearview mirror.

• Typically equipped operating weight is calculated with push block, rear ripper and front work light equipment.

Standards

ROPS/FOPS	ISO 3471/ISO 3449
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Steering	ISO 5010
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Brakes	ISO 3450
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Sound	ISO 6394; ISO 6395
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- The static sound operator sound pressure level measured according to ISO 6394:2008 for a cab offered by Caterpillar, when properly installed, maintained and tested with doors and windows closed and engine cooling hydraulic fan at maximum speed is 70 dB(A).
- The dynamic spectator sound power level measured according to ISO 6395:2008 for the standard machine when equipped with optional sound suppression package and engine cooling hydraulic fan running at 70% of maximum speed, machine sound is 106 dB(A) for 120M2 and 120M2 AWD, complying with EU 2000/14/EC requirement.

Tires**17.5 R25 Tire (14x25 Rim) Dimension Adjustments – Standard and AWD**

Height to Dimensions 1, 2, 8, 9, 10	-20 mm	-0.8 in
Length Front Tire to Rear of Machine Dimension 6	-15 mm	-0.6 in
Width to Tire Centerline Dimension 11	+103 mm	+4.1 in
Width to Tire Front/Rear Tires Dimensions 12, 13	+192 mm	+7.6 in

- Note: Dimension changes may vary by brand/type and inflation of tires.

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg of refrigerant which has a CO₂ equivalent of 2.88 metric tonnes.

120M2/120M2-AWD Motor Graders Specifications

APPENDIX A

Moldboard

Blade Width	3.7 m	12 ft
Moldboard		
Height	610 mm	24 in
Thickness	22 mm	0.87 in
Arc Radius	413 mm	16.3 in
Throat Clearance	123.9 mm	4.9 in
Cutting Edge		
Width	152 mm	6 in
Thickness	16 mm	0.6 in
End Bit		
Width	152 mm	6 in
Thickness	16 mm	0.6 in
Blade Pull		
Base GVW	10 767 kg	23,737 lb
Maximum GVW	13 599 kg	29,980 lb
Maximum GVW AWD	19 998 kg	44,088 lb
Blade Down Pressure		
Base GVW	6818 kg	15,030 lb
Maximum GVW	12 354 kg	27,235 lb

Blade Range

Circle Centershift		
Right	656 mm	25.8 in
Left	656 mm	25.8 in
Moldboard Sideshift		
Right	660 mm	26 in
Left	510 mm	20.1 in
Maximum Blade Position Angle	90°	
Blade Tip Range		
Forward	40°	
Backward	5°	
Maximum Shoulder Reach Outside of Tires		
Right	1905 mm	75 in
Left	1742 mm	68.6 in
Maximum Lift Above Ground	427 mm	16.8 in
Maximum Depth of Cut	720 mm	28.3 in

Ripper

Ripping Depth, Maximum	226.5 mm	8.9 in
Ripper Shank Holders	5	
Ripper Shank Holder Spacing	534 mm	21 in
Penetration Force	8024 kg	17,692 lb
Pryout Force	2567 kg	5,660 lb
Machine Length Increase, Beam Raised	1053 mm	41.5 in

Scarifier

Front, V-Type Working Width	1205 mm	47.4 in
Front, V-Type, 5 or 11 Tooth		
Working Width	1091 mm	40.6 in
Scarifying Depth, Maximum	467 mm	18.4 in
Scarifier Shank Holders	5/11	
Scarifier Shank Holder Spacing	116 mm	4.6 in
Mid, V-Type		
Working Width	1184 mm	46.6 in
Scarifying Depth, Maximum	292 mm	11.5 in
Scarifier Shank Holders	11	
Scarifier Shank Holder Spacing	116 mm	4.6 in
Mid, Straight		
Working Width	1800 mm	71 in
Ripping Depth, Maximum	317 mm	12.5 in
Scarifying Depth, Maximum	426 mm	16.8 in
Scarifier Shank Holders	17	
Scarifier Shank Holder Spacing	111 mm	4.4 in

Weights

Gross Vehicle Weight, Base		
Total	15 887 kg	35,025 lb
Front Axle	3924 kg	8,651 lb
Rear Axle	11 963 kg	26,374 lb
Gross Vehicle Weight, Maximum		
Total	22 220 kg	48,987 lb
Front Axle	7110 kg	15,675 lb
Rear Axle	15 110 kg	33,312 lb
Operating Weight, Typically Equipped		
Total	18 095 kg	39,892 lb
Front Axle	4791 kg	10,563 lb
Rear Axle	13 304 kg	29,329 lb

APPENDIX A

120M2/120M2 AWD Motor Graders Specifications

Power Train

Forward/Reverse Gears	8 Forward/6 Reverse
Transmission	Direct Drive, Powershift
Brakes	
Service	Multiple Oil Disc
Service, Surface Area	23 000 cm ² 3,565 in ²
Parking	Multiple Oil Disc
Secondary	Dual Circuit

Hydraulic System

Circuit Type	Parallel
Pump Type	Variable Piston
Pump Output	210 L/min 55.7 gal/min
Maximum System Pressure	24 150 kPa 3,500 psi
Reservoir Tank Capacity	60 L 15.85 gal
Standby Pressure	4200 kPa 609 psi

• Pump output measured at 2,150 rpm

Operating Specifications

Top Speed		
Forward	45.7 km/h	28.4 mph
Reverse	36.1 km/h	22.4 mph
Turning Radius, Outside Front Tires	7.4 m	24 ft 3 in
Steering Range – Left/Right	47.5°	
Articulation Angle – Left/Right	20°	
Forward		
1st	4.0 km/h	2.5 mph
2nd	5.4 km/h	3.4 mph
3rd	7.8 km/h	4.9 mph
4th	10.8 km/h	6.7 mph
5th	16.8 km/h	10.4 mph
6th	22.8 km/h	14.2 mph
7th	31.4 km/h	19.5 mph
8th	45.7 km/h	28.4 mph
Reverse		
1st	3.1 km/h	1.9 mph
2nd	5.9 km/h	3.9 mph
3rd	8.5 km/h	5.3 mph
4th	13.2 km/h	8.2 mph
5th	24.8 km/h	15.4 mph
6th	36.1 km/h	22.4 mph

Calculated with no slip and 14.0R24 tires.

Service Refill

Fuel Capacity	378 L	100 gal
Cooling System	49 L	12.9 gal
Hydraulic System		
Tank	64 L	16.9 gal
Engine Oil	30 L	7.9 gal
Trans./Diff./ Final Drives	62.5 L	16.5 gal
Tandem Housing (each)	59 L	15.6 gal
Front Wheel Spindle Bearing Housing	0.5 L	0.13 gal
Circle Drive Housing	7 L	1.8 gal

Frame

Circle		
Diameter	1530 mm	60.2 in
Blade Beam Thickness	35 mm	1.4 in
Drawbar		
Height	152 mm	6.0 in
Width	76.2 mm	3.0 in
Thickness	9.5 mm	0.4 in
Front-Top/Bottom Plate		
Width	255 mm	10.0 in
Thickness	22 mm	0.87 in
Front Frame Structure		
Height	280 mm	11.0 in
Width	204 mm	8.0 in
Front Axle		
Height to Center	572 mm	22.5 in
Wheel Lean, Left/Right	18°	
Front Axle – Total Oscillation Per Side	32°	

• Front-top/bottom plate – width tolerance ± 2.5 mm (0.098 in)

Tandems

Height	502 mm	19.8 in
Width	172 mm	6.8 in
Sidewall Thickness		
Inner	14 mm	0.5 in
Outer	16 mm	0.6 in
Drive Chain Pitch	44.5 mm	1.8 in
Wheel Axle Spacing	1510 mm	59.5 in
Tandem Oscillation		
Front Up	15°	
Front Down	25°	

120M2/120M2 AWD Motor Graders Specifications

APPENDIX A

Engine		
Engine Model	Cat C7.1 ACERT	
Emissions	Tier 4 Interim/Stage IIIB equivalent	
Base Power (1st gear) – Net	108 kW	145 hp
Base Power (1st gear) – Net (metric)	147 hp	
VHP Plus Range – Net	108-141 kW	145-189 hp
VHP Plus Range – Net (metric)	147-192 hp	
AWD Range – Net	114-156 kW	159-209 hp
AWD Range – Net (metric)	155-212 hp	
Displacement	7.01 L	428 in ³
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Torque Rise	45%	
Maximum Torque	939 N·m	693 lbf·ft
Speed @ Rated Power	2,100 rpm	
Number of Cylinders	6	
Derating Altitude	3048 m	10,000 ft
Hi Ambient – Fan Speed		
Standard	1,000 rpm	
Maximum	1,350 rpm	
Minimum	500 rpm	
Standard Capability	43° C	109° F
Hi Ambient Capability	50° C	122° F

VHP Plus – Gear

1F, Net	108 kW	145 hp
2F, Net	114 kW	153 hp
3F, Net	120 kW	161 hp
4F, Net	126 kW	169 hp
5F, Net	130 kW	174 hp
6F, Net	134 kW	179 hp
7F, Net	137 kW	184 hp
8F, Net	141 kW	189 hp

- Net power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture.
- VHP Plus is a standard attachment for the 120M2; standard for the 120M2 AWD.
- Net power advertised is the power available at rated speed of 2,100 rpm, measured at the flywheel when engine is equipped with fan running at minimum speed, air cleaner, muffler and alternator.
- No engine derating required up to 3048 m (10,000 ft).
- Power as declared per ISO 14396
Rated rpm 2,100
VHP+ = 142 kW (190 hp)
~~AWD = 167 kW (224 hp)~~
- All non-road Tier 4, Stage IIIB and IV certified diesel engines are required to use:
 - Ultra Low Sulfur Diesel (ULSD) and Sulfur-Free fuels that are 15 ppm (mg/kg) sulfur or less.
 - Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specification.

APPENDIX A

Customer Support

Unparalleled worldwide support

Renowned Dealer Service

From helping you choose the right machine to financing and ongoing support, your Cat dealer provides the best in sales and service.

Manage your costs with preventive maintenance programs like S-O-SSM analysis, Coolant Sampling and guaranteed maintenance contracts.

Stay productive with best-in-class parts availability. Your Cat dealer can even help boost your profits with operator training.

And when it's time for component replacement, your Cat dealer can help you save even more. Genuine Cat Remanufactured parts carry the same warranty and reliability as new products at savings of 40 to 70 percent for power train and hydraulic components.

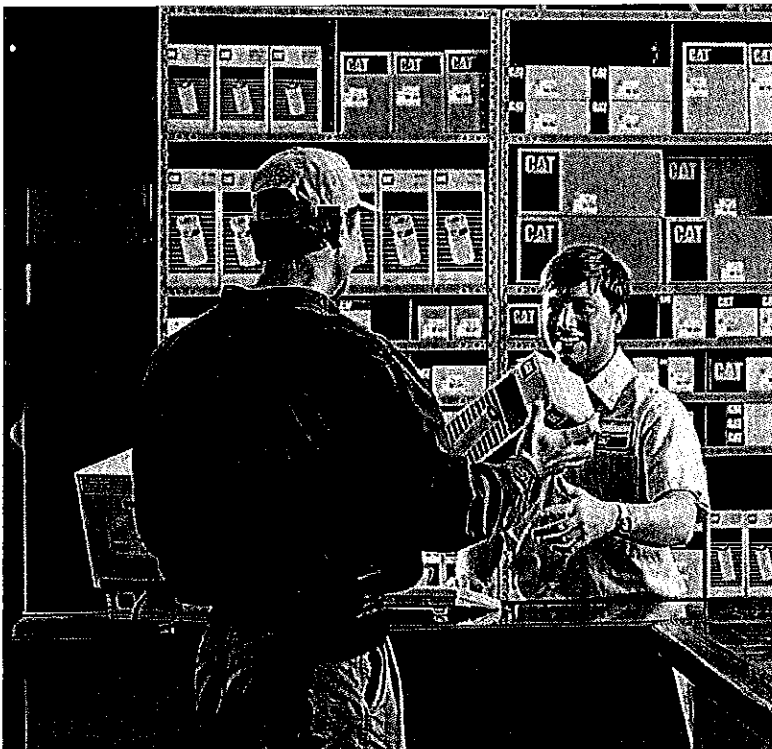


Sustainability

Thinking generations ahead

M Series 2 Motor Graders are designed to benefit your business and reduce emissions:

- Cat engine and aftertreatment meet Tier 4 Interim/Stage IIIB equivalent emission standards.
- Integrated machine systems and technologies improve productivity for greater accuracy, lower fuel use and reduced machine wear.
- Replaceable wear parts save maintenance time and cost and extend major component life.
- Major structures and components are built to be rebuilt, reducing waste and replacement costs.
- Extended service intervals reduce maintenance time/cost and waste.
- A variety of safety features help safeguard operators and others on the job site.



APPENDIX A

Safety

Protect your most valuable resource

Designed with Protection in Mind

Features are designed to enhance operator and job site safety, such as drop-down rear lights and a rearview camera. Among many standard safety features are laminated glass, back-up lights, and perforated tandem walkways and grab rails.

Operator Presence System

The parking brake remains engaged and hydraulic implements disabled until the operator is initially seated and the machine is ready for operation.

Secondary Steering System

Automatically engages an electric hydraulic pump in case of a drop in steering pressure, allowing the operator to steer the machine to a stop.

Hydraulic Lockout

A simple switch located in the cab disables all implement functions while still providing machine steering control. This safety feature is especially useful while roading.

Brake Systems

Brakes are located at each tandem wheel to eliminate braking loads on the power train. Redundant brake systems utilize accumulators to enable stopping in case of machine failure, further increasing operational safety.

Circle Drive Slip Clutch

This standard feature protects the drawbar, circle and moldboard from shock loads when the blade encounters an immovable object. It also reduces the possibility of abrupt directional changes in poor traction conditions.

Blade Lift Accumulators (Optional)

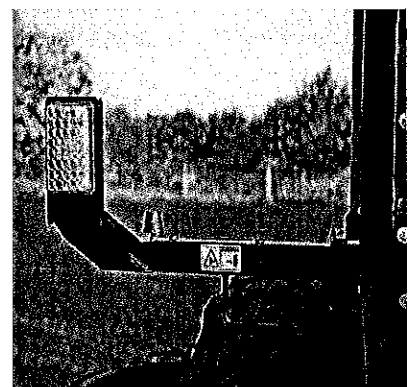
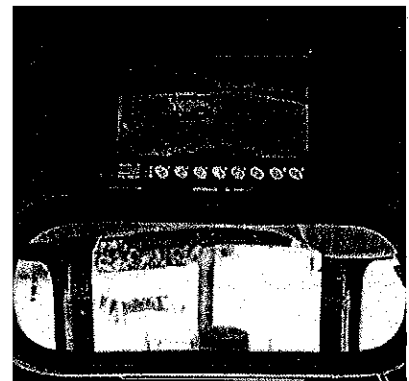
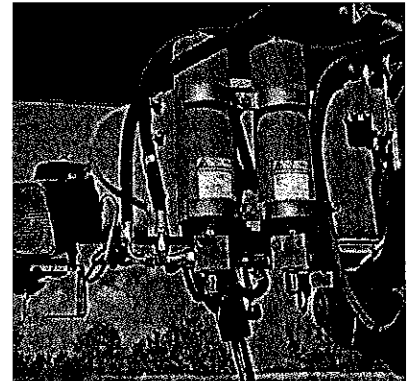
This optional feature uses accumulators to help absorb impact loads to the moldboard by allowing vertical blade travel. Blade lift accumulators help reduce unnecessary wear and also help reduce impact loading for enhanced operator safety.

Rearview Camera (Optional)

Visibility is further enhanced with an optional Work Area Vision System (WAVS) through a 178 mm (7 in) LCD color monitor in the cab. Developed specifically for rugged applications, this durable camera improves productivity and increases operator awareness of surroundings.

Front and Rear Fenders (Optional)

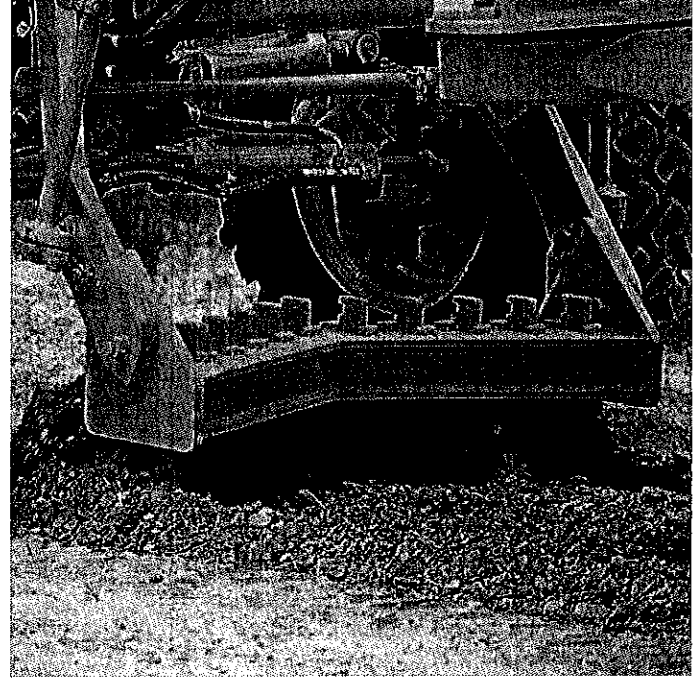
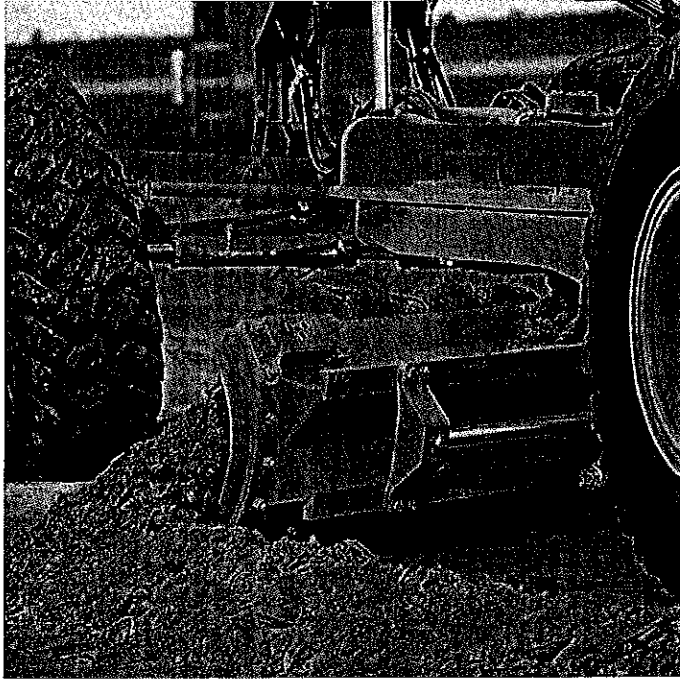
To help reduce objects flying from the tires, as well as build-up of mud, snow and debris, optional fenders can be added.



APPENDIX A

Work Tools and Attachments

Equip your machine for the job



Moldboard Options

Standard 3.7 m (12 ft) ~~or optional 4.3 m (14 ft)~~. Left and right side extensions are also available.

Ground Engaging Tools (GET)

A variety of tools are available from Cat Work Tools, including cutting edges, graderbits and end bits, all designed for maximum service life and productivity.

Front Mounted Groups

A front mounted push plate/counterweight or front lift group are available. ~~The front lift group can be combined with a front dozer blade or front scarifier for added versatility.~~

Rear Ripper/Scarifier

Made to penetrate tough material fast and rip thoroughly for easier movement with the moldboard. The ripper includes three shanks (with holders for five). Nine scarifier shanks can also be added for additional versatility.

~~Snow Removal Work Tools~~

~~Multiple snow plow, snow wing and mounting options increase machine versatility and utilization throughout the year.~~

APPENDIX A

Hydraulics

Advanced machine control

Advanced Electro-Hydraulic System

Incorporates a state-of-the-art electro-hydraulic system as the foundation for revolutionary changes in machine and advanced joystick controls.

Blade Float

Allows the blade to move freely under its own weight. By floating both cylinders, the blade can follow the contours of the road, especially useful when removing snow. Floating only one cylinder permits the toe of the blade to follow a hard surface while the operator controls the slope with the other lift cylinder.

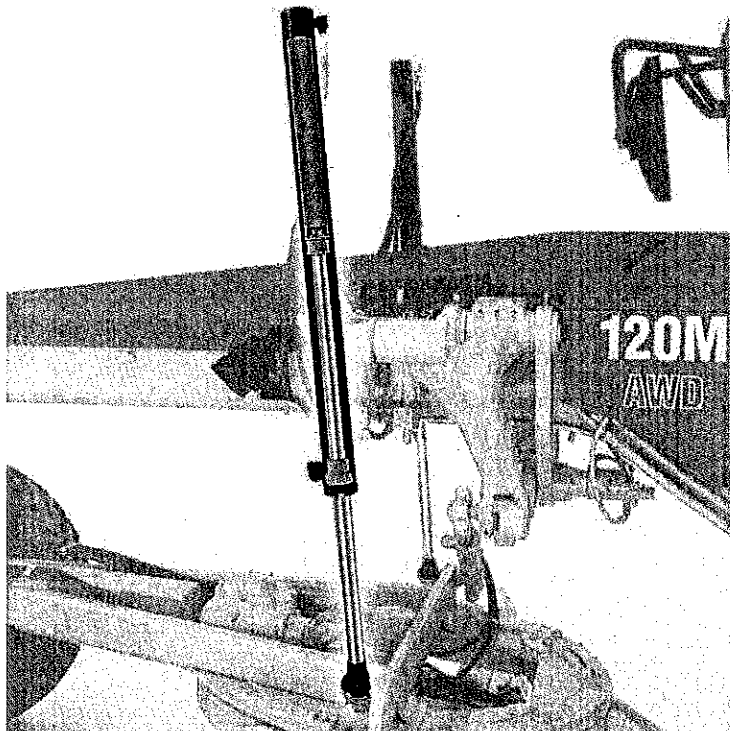
Independent Oil Supply

Large, separate hydraulic oil supplies prevent cross-contamination and provide proper oil cooling, which reduces heat build-up and extends component life.

Load Sensing Hydraulics (PPPC)

The proven load-sensing system and the advanced Proportional Priority Pressure-Compensating (PPPC or "triple P - C") electro-hydraulic valves provide superior implement control and enhanced machine performance in all applications. Continuously matching hydraulic flow/pressure to power demands creates less heat and reduces power consumption.

- Consistent, Predictable Movement – PPPC valves have different flow rates for the head (red) and rod ends (blue) of the cylinder, ensuring consistent extension and retraction speeds.
- Balanced Flow – Hydraulic flow is proportioned so all implements operate simultaneously with little effect on the engine or implement speeds.



APPENDIX A

Integrated Technologies

Monitor, manage, and enhance job site operations



Cat Connect makes smart use of technology and services to improve your job site efficiency. Using the data from technology-equipped machines, you'll get more information and insight into your equipment and operations than ever before.

LINK Technologies

LINK technologies, like Product Link™, are deeply integrated into your machine and wirelessly communicates key information, including location, hours, fuel usage, idle time and event codes.

Product Link/VisionLink®

Easy access to Product Link data via the online VisionLink user interface can help you see how your machine or fleet is performing. You can use this information to make timely, fact based decisions that can boost job site efficiency and productivity, and lower costs.

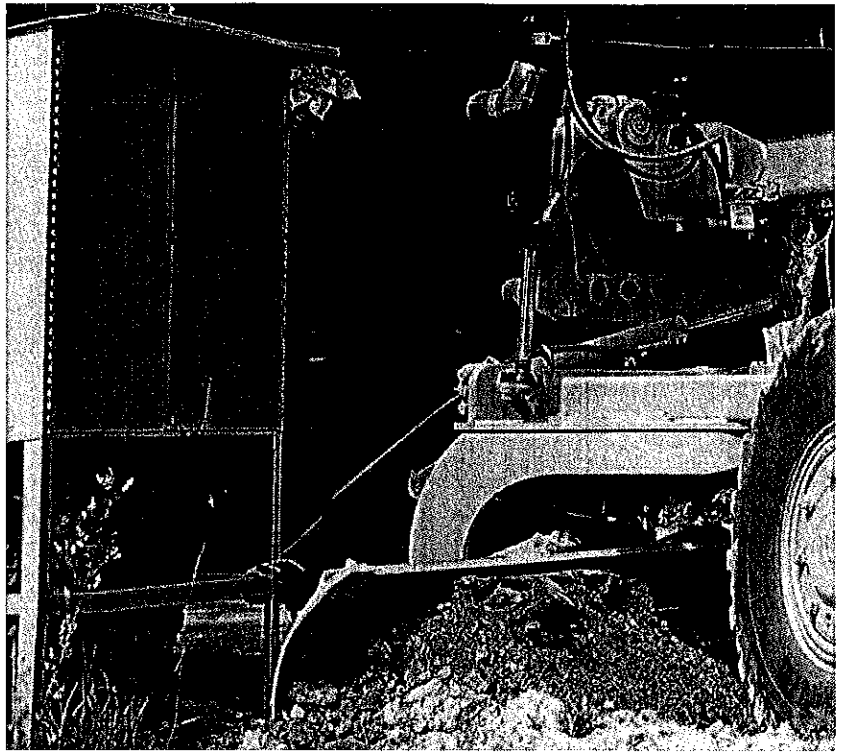
APPENDIX A

"Smart" Machine Systems

Advanced diagnostics

Sharing key data among systems helps optimize machine performance and aids serviceability.

- Cat Messenger, combined with full systems integration, enhances diagnostic capability. Machine system errors are displayed in both text and fault codes for quick analysis of critical data.
- Electronic Technician (Cat ET) lets service technicians access stored diagnostic data and configure machine parameters through the Cat Data Link.
- Low Battery Elevated Idle raises idle speed when low system voltage is detected, ensuring adequate system voltage and improving battery reliability.
- Automatic Engine Deration protects the engine and aftertreatment by automatically lowering engine torque output and alerting the operator if critical conditions are detected.



All-Wheel-Drive (AWD)---

Expanded machine versatility

All-Wheel-Drive (AWD)

The AWD arrangement automatically shifts and redistributes engine and hydraulic power to the wheels with the most grip to maximize torque at each gear. This delivers the most power to the ground when the road surface is uneven or slippery.

Maximum Net Power

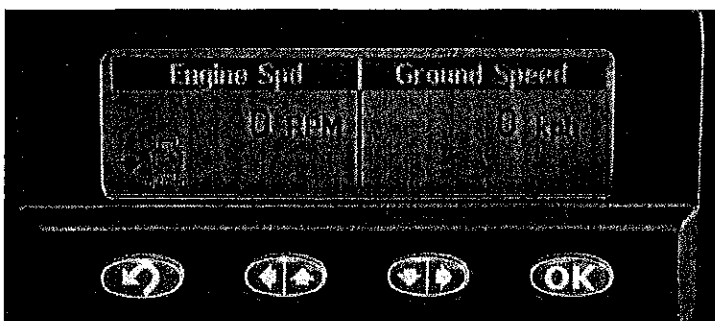
When AWD is engaged, hydraulic power is automatically increased to each wheel. The AWD system allows the operator to maintain maximum net power and maximum performance in all ground conditions.

Hydrostatic Mode

Standard with AWD, this mode disengages the transmission and allows the operator to select the desired gear. The ground speed is limited by a governor between 0.5 and 0.8 mph (0.8 and 1.3 km/h) to prevent damage.

Steering Compensation

The Steering Compensation System enables a powered turn by adjusting the drive shafts to the operator's steering wheel. This results in improved control, less wear on the tires and a dramatic reduction of turning radius in poor underfoot conditions.



APPENDIX A

Structures and DCM

Service ease and precise blade control

Heavy Duty Durability

The frame, drawbar and one-piece forged steel circle are designed for durability in heavy duty applications. The strong A-frame drawbar uses a durable tubular design. The front 240° of circle teeth are hardened to reduce wear and ensure component reliability.

Articulation Hitch

A large tapered roller bearing at the lower pivot carries loads evenly and smoothly. Sealed to prevent contamination, a locking pin prevents articulation for safety during service or transport.

Aggressive Blade Angle

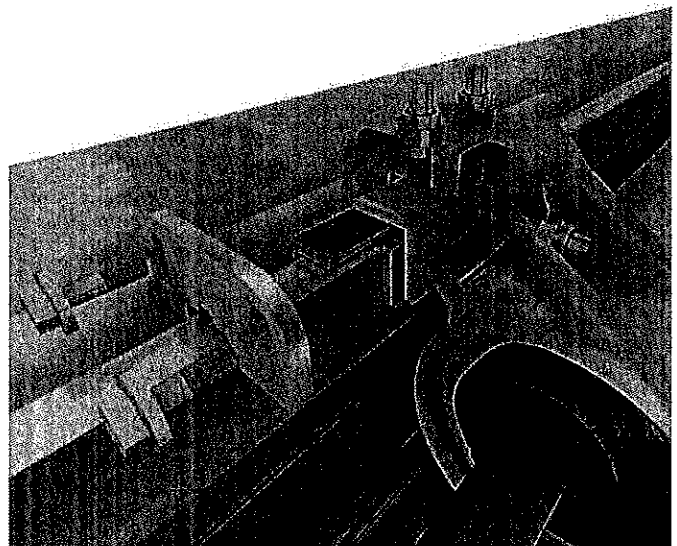
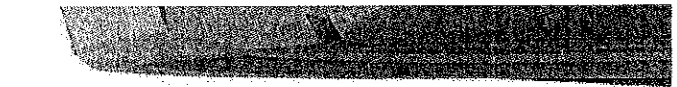
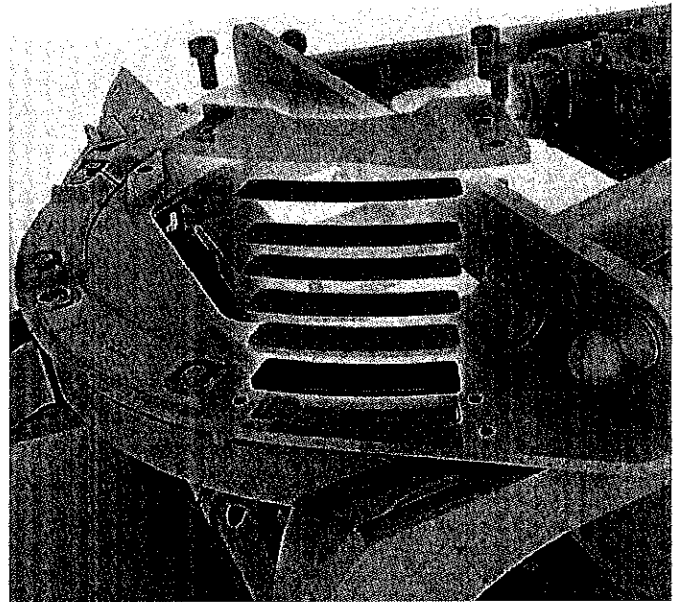
Allows material to roll more freely along the blade, particularly dry materials or cohesive soils. Better material control gets the job done faster, requires less power and saves fuel.

Fast, Easy Adjustment Means Tight Components

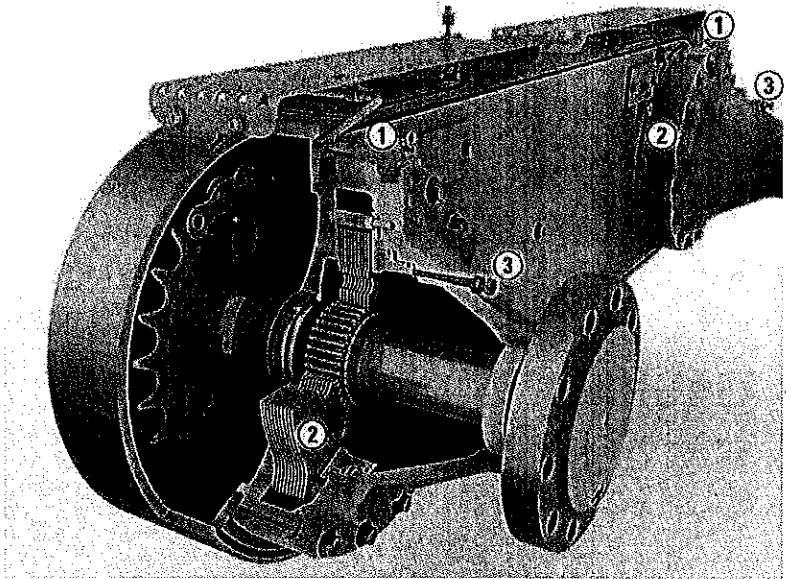
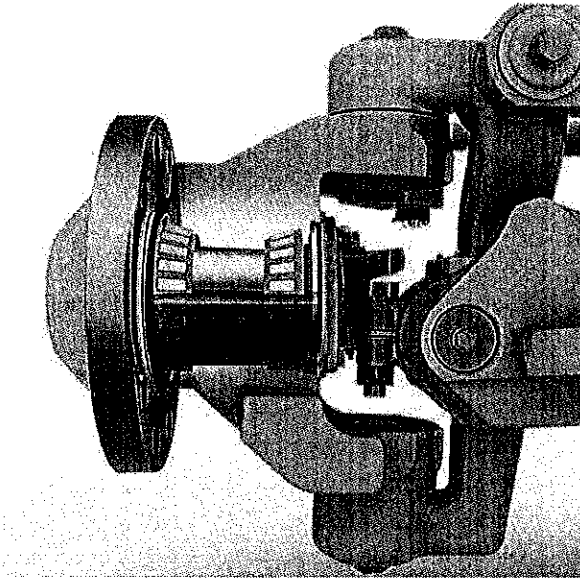
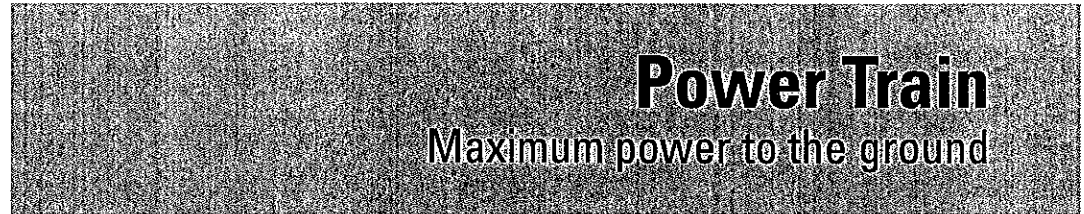
Shims and patented top-adjust wear strips are easy to add or replace, dramatically reducing downtime and operating costs. Durable nylon composite wear inserts maximize circle torque and component life. Sacrificial brass wear strips between the blade mounting group and moldboard can be replaced easily. Shimless Moldboard Retention System uses vertical and horizontal adjusting screws to keep moldboard wear strips aligned for reduced blade chatter, precise blade control and dramatic reductions in service time.

Moldboard

Heat-treated rails, hardened cutting edges and end bits, and heavy duty bolts assure reliability and long service life. The link bar allows extreme moldboard positioning for bank sloping, ditch cutting and cleaning.



APPENDIX A



Automatic Differential Lock

Unlocks the differential during a turn, re-locks when straight, for easier operation and lower power train protection.

Front Axle

The Cat sealed spindle keeps bearings free from contaminants and lubricated in a light weight oil. The Cat "Live Spindle" design places the larger tapered roller bearing outboard where the load is greater, extending bearing life.

Inching Pedal

Allows precise control of machine movements and excellent modulation, critical in close-quarter work or finish grading.

Smooth Shifting Transmission

Several key innovations ensure smooth, powerful shifts.

- Full Electronic Clutch Pressure Control (ECPC) system optimizes inching modulation for smooth shifts and directional changes, reducing stress on gears.
- Controlled Throttle Shifting helps to smooth directional and gear changes without using the inching pedal.
- Load Compensation ensures consistent shift quality regardless of blade or machine load.

- This standard feature automatically shifts the transmission at optimal points so the operator can focus on the work to help improve safety, productivity and ease of operation.
- Power Shift Countershaft Transmission and the Cat C7.1 engine maximize power to the ground. Eight forward/six reverse gears optimize productivity.
- Engine Over-Speed Protection prevents downshifting until an acceptable safe travel speed has been established.

Bolt-On Modular Rear Axle

Improves serviceability and contamination control with easy access to differential components.

Hydraulic Brakes

Hydraulically actuated, oil bathed, multi-disc service brakes at each tandem wheel (1) offer the industry's largest total brake surface area (2) for dependable stopping power and long brake life. The brake wear indicator/compensator system (3) maintains brake performance and indicates brake wear without disassembly, for fast servicing and longer brake service life. The spring-applied, hydraulically released multi-disc parking brake, sealed and oil-cooled for long life and low service, is integrated into the Operator Presence System to prevent unintended machine movement.

APPENDIX A

Engine Power and reliability

A C7.1 ACERT engine and Cat Clean Emissions Module deliver the performance and efficiency that customers demand, while meeting Tier 4 Interim/Stage IIIB equivalent emission standards.

The C7.1 ACERT has superior torque and lugging capability to pull through sudden, short-term loads and maintain consistent, desirable grading speeds to get work done faster without downshifting. The High Pressure Common Rail Fuel System improves precision and control with full electronic injection that boosts performance and reduces soot.

Hydraulic Demand Fan

The hydraulic demand fan automatically adjusts cooling fan speed according to engine cooling requirements. This reduces demand on the engine, putting more horsepower to the ground and improves fuel efficiency. Swing-out design allows easy access to cooling cores and reduces clean out time.

Emissions Technology

Reliable, integrated solutions

Cat NO_x Reduction System

The Cat NO_x Reduction System captures and cools a small quantity of exhaust gas, then routes it into the combustion chamber where it drives down combustion temperatures and reduces NO_x emissions.

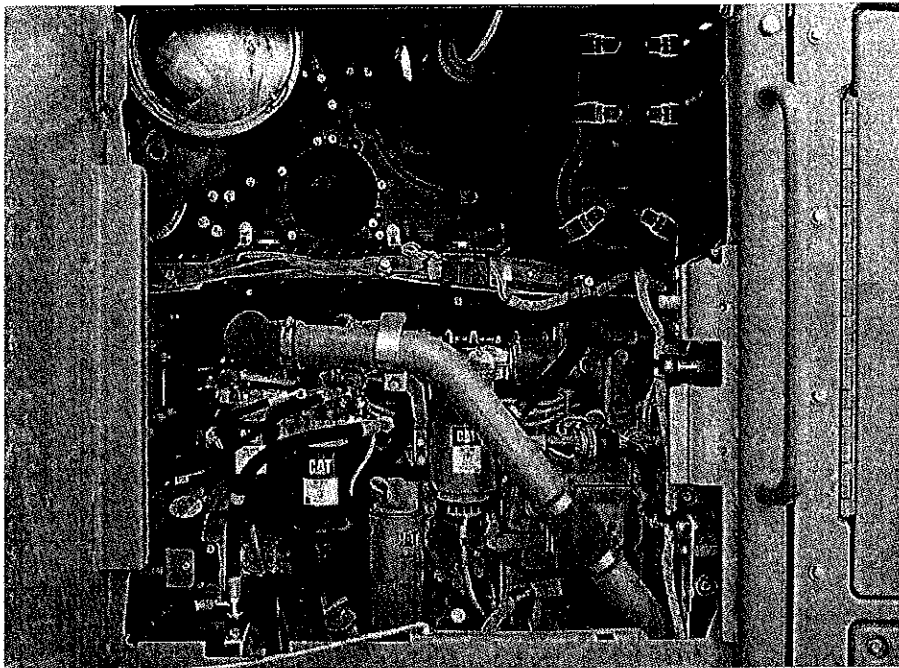
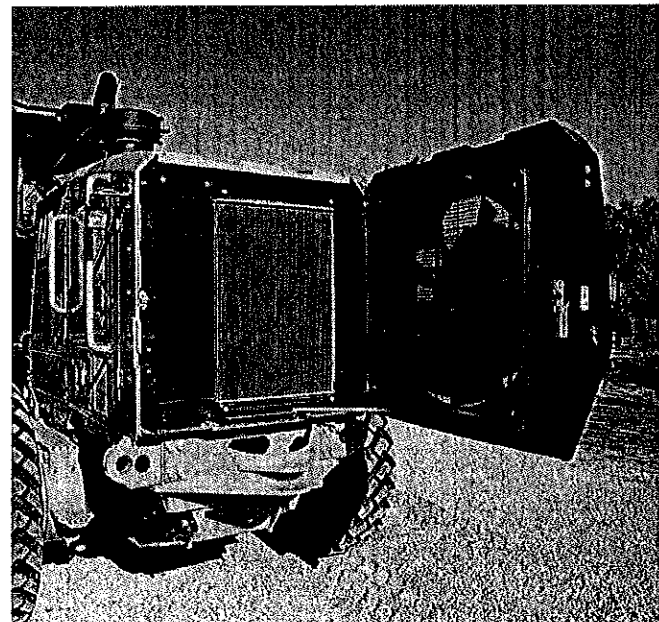
Aftertreatment Technologies

To meet Tier 4 Interim/Stage IIIB equivalent emission standards and beyond, Cat aftertreatment components have been designed to match application needs. System components include a **Diesel Oxidation Catalyst (DOC)**, which uses a chemical process to convert regulated emissions in the exhaust system, and a **Diesel Particulate Filter (DPF)** that traps particulate matter that is carried into the exhaust stream.

The DOC, DPF and Cat Regeneration System are contained in a Caterpillar designed Clean Emission Module (CEM) that protects the components, minimizes the aftertreatment footprint and simplifies maintenance.

Cat Regeneration System

The Cat Regeneration System is designed to work transparently, without any interaction needed from the operator. Under most operating conditions, engine exhaust is hot enough to oxidize soot through passive regeneration. If supplemental regeneration is needed, the Cat Regeneration System elevates exhaust gas temperatures to remove soot in the Diesel Particulate Filter (DPF). This is a process that happens automatically, but the operator can initiate the cycle when convenient or interrupt regeneration as needed. A soot level monitor can be viewed on the Cat Messenger screen and regeneration indicator lights are integrated into the front console.



APPENDIX A

Steering and Implement Controls

Unprecedented precision and ease of operation

Ease of Operation

Two electro-hydraulic joysticks require up to 78% less hand and wrist movement than conventional lever controls for greatly enhanced operator comfort and efficiency. The intuitive control pattern allows both new and experienced operators to quickly become productive.

Electronically adjustable control pods help position joysticks for optimal comfort, visibility and proper operation.

Joystick Functions

- The left joystick primarily controls the machine direction and speed including steering, articulation, return-to-center, wheel lean, gear selection, left moldboard lift cylinder and float.
- The right joystick primarily controls drawbar, circle and moldboard functions including right moldboard lift cylinder and float, moldboard slide and tip, circle turn, drawbar center shift, electronic throttle control and manual differential lock/unlock.

Intuitive Steering Control

Joystick lean angle mirrors the steer tires' turning angle. A brake tensioning system holds the joystick in position until the operator moves it. The steering control automatically reduces steering sensitivity at higher ground speeds for comfortable and predictable control.

Electronic Throttle Control

Provides easy, precise and consistent throttle operation. An automatic/manual mode switch offers flexibility for different applications and operator preferences.

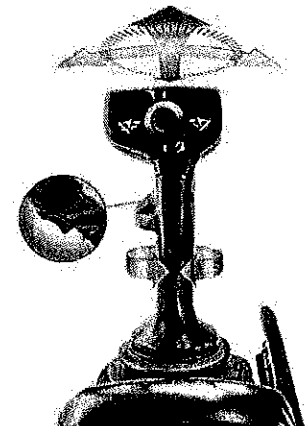
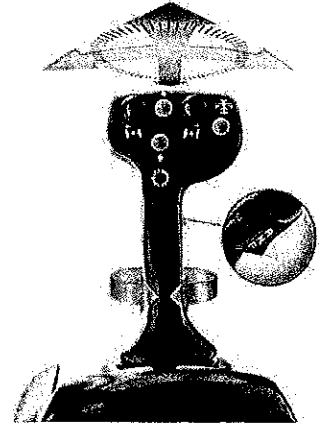
Articulation Return-to-Center

Automatically returns the machine to a straight frame position from any angle with the touch of a button.

Auxiliary Pod and Ripper Control (Optional)

Ergonomically positioned to allow simple, comfortable operation for the multiple hydraulic options.

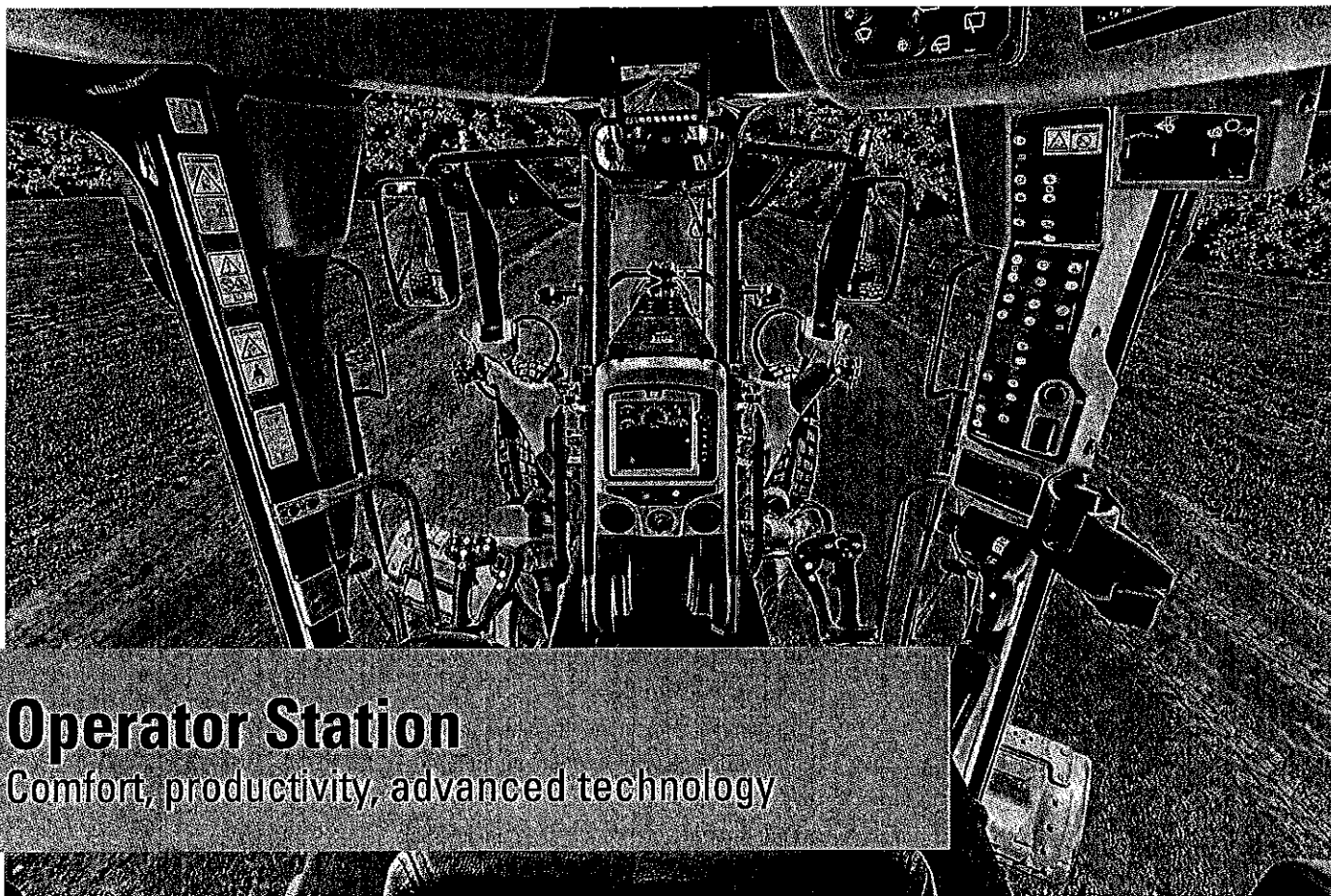
- Four fingertip controls and a mini joystick maximize control of up to six hydraulic circuits. Individual functions can be programmed with Electronic Technician (Cat ET). The auxiliary hydraulic pod is provided when the machine is configured with three or more auxiliary functions.
- Infinitely variable roller switches provide precise control of the rear ripper and/or front lift group (when equipped).



Optional Advanced Control Joysticks

Cat Advanced Control Joysticks allow the operator to easily control automated grading solutions, Cat GRADE with Cross Slope, AccuGrade™, and Snow Wing. Both new and experienced operators can also configure auxiliary hydraulic functions (such as ripper, front plow blade, etc.) without taking their hands off the controls decreasing fatigue, increasing productivity.

APPENDIX A



Operator Station

Comfort, productivity, advanced technology

Visibility

Angled cab doors, a tapered engine enclosure and patented sloped rear window assure excellent visibility to the work area.

Maximum Control, Maximum Comfort

Caterpillar has built the most comfortable cab in the industry, replacing the control levers and steering wheel with two joystick controls, and lengthening the cab for more leg room. Machine design features, like angled doors, provide excellent visibility.

Operator Comfort

The Cat Comfort Series suspension seat and arm/wrist rests are fully adjustable for improved comfort and productivity. Extra leg room, easy-to-reach long-life rocker switches and revolutionary joystick controls make this the most comfortable cab in the industry.

Standard HVAC System

The high capacity system dehumidifies and pressurizes the cab, circulates fresh air, seals out dust and keeps windows clear.

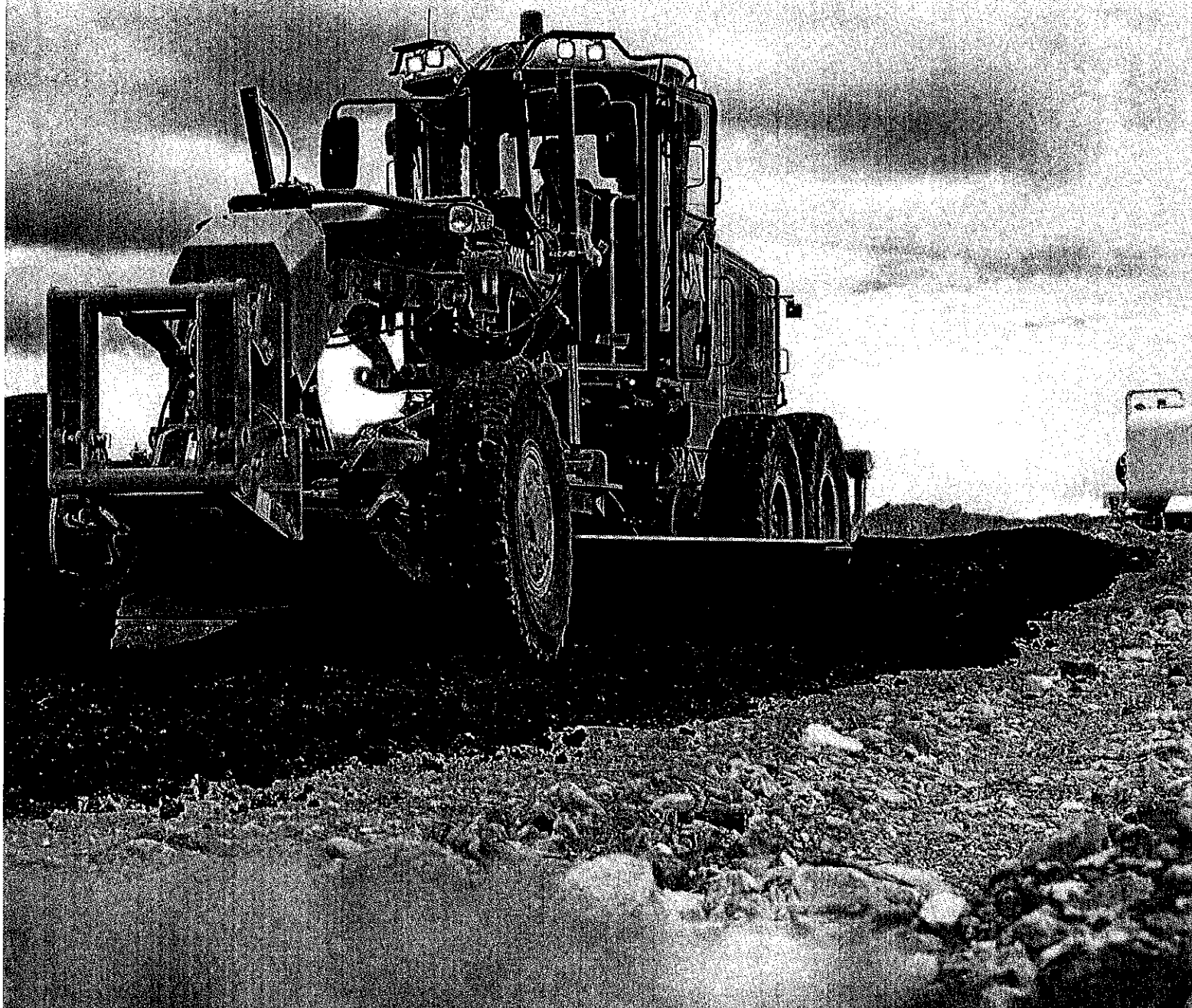
Low Interior Sound and Vibration Levels

Multiple isolation mounts along with relocated hydraulic pump and valves significantly improve operator comfort and productivity.

In-Dash Instrument Cluster

Easy-to-read, high-visibility gauges and warning lamps keep the operator aware of critical system information.

APPENDIX A



The M Series 2 continues the legacy of quality already established by Cat Motor Graders. The extensive validation program, combined with improvements to the manufacturing process, allows Caterpillar to further enhance our quality.

The end result of this development process is a motor grader line with breakthrough technologies, tested in the field and built around real applications and real customer needs. M Series 2 Motor Graders meet Tier 4 Interim/Stage IIIB equivalent emission standards.

APPENDIX C

120M2/120M2-AWD Features

Operator Station

A revolutionary cab design provides unmatched comfort, visibility and ease of use, making the operator more confident and productive.

Engine and Power Train

Combining power management with advanced technology delivers maximum power and efficiency while reducing the environmental impact. M Series 2 Motor Graders perform at U.S. EPA Tier 4 Interim/EU Stage IIIB equivalent emission levels using U.S. EPA and EU Flex provisions.

Structures, Drawbar, Circle and Moldboard

Durable structures with fast and simple DCM adjustments deliver precise material control while lowering operating costs.

Hydraulics

The M Series 2 Motor Grader electro-hydraulics enable advanced machine controls with precise and predictable movements.

Integrated Technologies

Cat® Connect makes smart use of technology and services to help you monitor, manage and enhance job site operations.

All-Wheel Drive (AWD)

Maximum productivity with all-powered wheels. Hydraulic Wets provide only the front wheels, perfect for precise finish work. Slip Compensation adjusts the outside front tire speed for better turns, less scuffing and tire wear, and improved control.

Contents

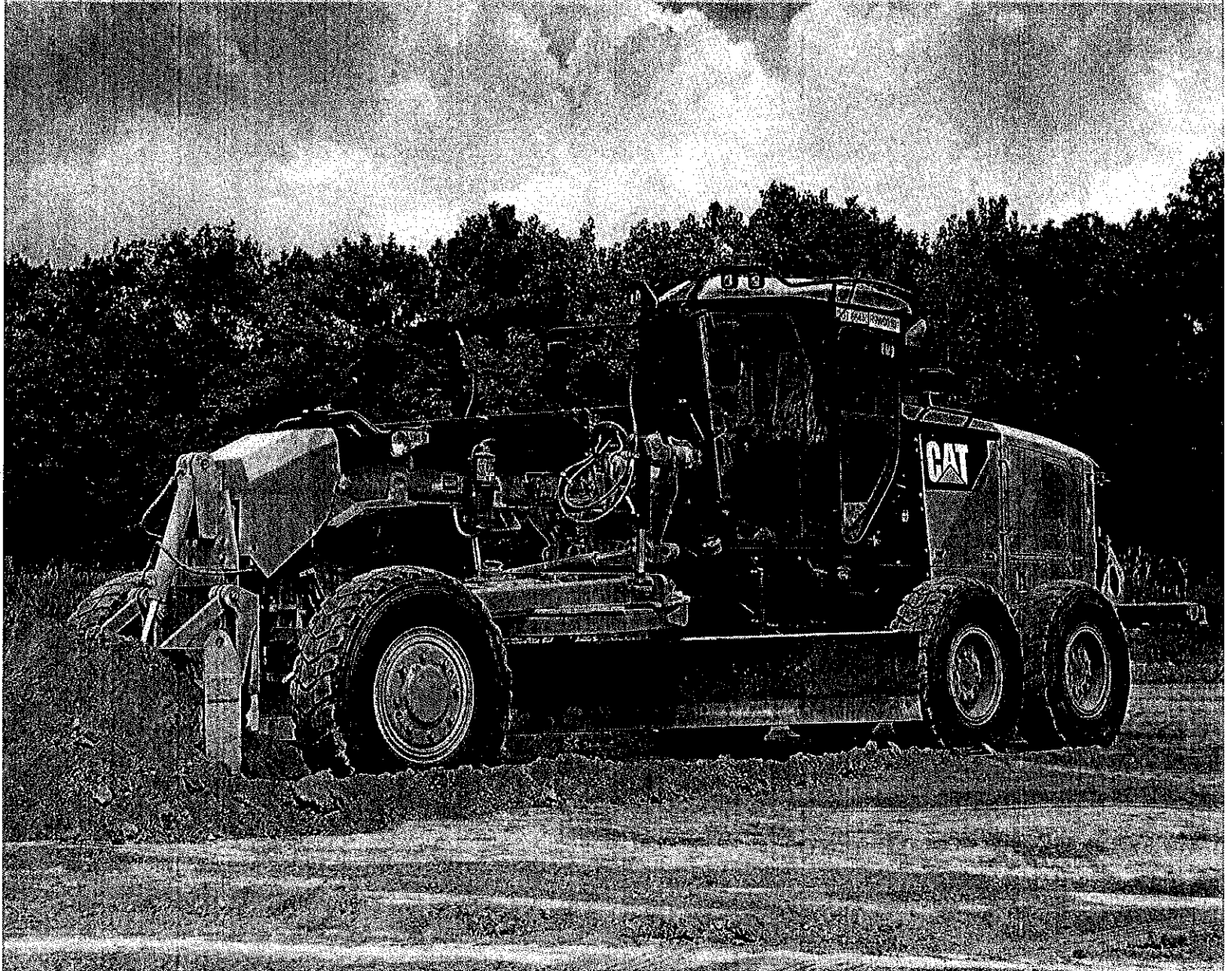
Operator Station	4
Steering and Implement Controls	5
Emissions Technology	6
Engine	6
Power Train	7
Structures and DCM	8
"Smart" Machine Systems	9
All-Wheel Drive (AWD)	9
Integrated Technologies	10
Hydraulics	11
Work Tools and Attachments	12
Safety	13
Customer Support	15
Sustainability	14
Specifications	15
Standard Equipment	22
Optional Equipment	23



APPENDIX A

120M2/120M2-AWD

Motor Graders



Engine

Engine Model	Cat® C7.1 ACERT™	
Base Power (1st gear) – Net	108 kW	145 hp
Base Power (1st gear) – Net (metric)		147 hp
VHP Plus Range – Net	108-141 kW	145-189 hp
VHP Plus Range – Net (metric)		147-192 hp
AWD Range – Net	144-156 kW	153-205 hp
AWD Range – Net (metric)		155-212 hp

Emissions

U.S. EPA Tier 4 Interim/EU Stage IIIB equivalent

Moldboard

Blade Width	3.7 m	12 ft
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Weights

Operating Weight, Typically Equipped	18 095 kg	39,892 lb
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~~Weights – AWD~~

Operating Weight, Typically Equipped	18 097 kg	41,859 lb
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APPENDIX A

Bid Name: Re-Bid Heavy Equipment for Sefferson County Precinct No. 3
(replace unrepairable Equipment Damaged by Hurricane Harvey)

Bid No: 18-013 / SW

Address: Sefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, TX 77701





JEFFERSON COUNTY PURCHASING DEPARTMENT

Deborah L. Clark, Purchasing Agent

1149 Pearl Street, 1st Floor, Beaumont, TX 77701 409-835-8593



LEGAL NOTICE Advertisement for Invitation for Bids

May 21, 2018

Notice is hereby given that sealed bids will be accepted by the Jefferson County Purchasing Department for IFB 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey). **Specifications for this project may be obtained from the Jefferson County website, <http://www.co.jefferson.tx.us/Purchasing/main.htm> or by calling 409-835-8593.**

Bids are to be sealed and addressed to the Purchasing Agent with the bid number and name marked on the outside of the envelope or box. Bidders shall forward an original and three (3) copies of their bid to the address shown below. Jefferson County does not accept bids submitted electronically. Late bids will be rejected as non-responsive. Bids will be publicly opened and read aloud in the Jefferson County Commissioners' Courtroom at the time and date below. Bidders are invited to attend the sealed bid opening.

BID NAME: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

BID NO: IFB 18-013/JW

DUE DATE/TIME: 11:00 AM CDT, Tuesday, June 19, 2018

MAIL OR DELIVER TO: Jefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, Texas 77701

Any questions relating to these requirements should be directed to Jamey West, Assistant Purchasing Agent, at 409-835-8593 or jwest@co.jefferson.tx.us. Bidders may submit technical questions to: Jason Castille, Precinct No. 3 Superintendent at 409-736-2851 or pct3sc@co.jefferson.tx.us.

Jefferson County encourages Disadvantaged Business Enterprises to participate in the bidding process. Jefferson County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provisions of services. Individuals requiring special accommodations are requested to contact our office at 409-835-8593 to make arrangements no later than seven (7) calendar days prior to the submittal deadline. Jefferson County reserves the right to accept or reject any or all proposals, to waive technicalities and to take whatever action is in the best interest of Jefferson County.

All interested firms are invited to submit a bid in accordance with the terms and conditions stated in this bid.

RESPONDENTS ARE STRONGLY ENCOURAGED TO CAREFULLY READ THE ENTIRE INVITATION.

Deborah L. Clark, Purchasing Agent
Jefferson County, Texas

Publish: Beaumont Enterprise & Port Arthur News – May 23, 2018 & May 30, 2018

**IFB 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)
Bids due: 11:00 AM CDT, Tuesday, June 19, 2018**

Table of Contents

Table of Contents	1
Instructions to Bidders	2
General Conditions of Bidding and Terms of Contract.....	6
Special Requirements/Instructions	16
Minimum Specifications	20
Instructions to Bidders (Re: Brand Reference / Equivalent Bid Items)	20
Bid Item 1: Description & Technical Specifications Checklist Form Instructions	21
Bid Item 1: Technical Specifications Checklist Form.....	22
Bid Item 1: Bidder Alternative Features Offered & Exceptions List	37
Bid Item 2: Description & Technical Specifications Checklist Form Instructions	38
Bid Item 2: Technical Specifications Checklist Form.....	39
Bid Item 2: Bidder Alternative Features Offered & Exceptions List	41
Bid Item 3: Description & Technical Specifications Checklist Form Instructions	42
Bid Item 3: Technical Specifications Checklist Form.....	43
Bid Item 3: Bidder Alternative Features Offered & Exceptions List	45
Bid Item 4: Description & Technical Specifications Checklist Form Instructions	46
Bid Item 4: Technical Specifications Checklist Form.....	47
Bid Item 4: Bidder Alternative Features Offered & Exceptions List	49
Bid Item 5: Description & Technical Specifications Checklist Form Instructions	50
Bid Item 5: Technical Specifications Checklist Form.....	51
Bid Item 5: Bidder Alternative Features Offered & Exceptions List	52
Bidder Information Form	53
Offer to Contract Form.....	54
Acceptance of Offer Form	55
Bid Form.....	56
Vendor References.....	62
Signature Page	63
Conflict of Interest Questionnaire	64
Local Government Officer Conflict Disclosure Statement Forms (OFFICE USE ONLY)	65
Good Faith Effort Determination Checklist	66
Notice of Intent	67
HUB Subcontracting Participation Declaration Form	68
Residence Certification/Tax Form	72
Bid Affidavit	73
TECHNICAL SPECIFICATIONS	(APPENDIX A-E)

Instructions to Bidders

1. Bid Submission

Bids must be submitted in complete original form by mail or messenger to the following address:

Jefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, TX 77701

Bids will be accepted at the above address until the time and date specified herein, and immediately after will be publicly opened and read aloud.

Bidder shall submit bid in a tightly sealed opaque envelope or box, plainly marked "SEALED BID." The outside of the envelope or box shall also include the Bid Number, Bid Name, Bid Due Date, and the Bidder's Name and Address; and shall be addressed to the Purchasing Agent.

Late bids will not be accepted and will be returned unopened to the bidder.

All bids submitted in response to this invitation shall become the property of Jefferson County and will be a matter of public record available for review.

Bidder is responsible for submitting:

- One (1) *original* bid copy to include a completed copy of this specifications packet, in its entirety.
- Three (3) numbered bid *copies* to include at a minimum all pages requiring completion and/or marked with instructions to be returned with bid submission and any other documentation requested within these specifications.

Additionally, Bidder must monitor the Jefferson County Purchasing Department Website (below) to see if addenda or additional instructions have been posted. Failure to return all required forms could result in a response being declared as non-responsive.

<http://www.co.jefferson.tx.us/purchasing/main.htm>

2. Bid Submissions During Time of Inclement Weather, Disaster, or Emergency

In case of inclement weather or any other unforeseen event causing the County to close for business on the date of a bid/proposal/statement of qualifications submission deadline, the closing will automatically be postponed until the next business day that County offices are open to the public. Should inclement weather conditions or any other unforeseen event cause delays in courier service operations, the County may issue an addendum to all known vendors interested in the project to extend the deadline. It will be the responsibility of the vendor to notify the county of their interest in the project should these conditions impact their ability to submit a bid/proposal/statement of qualifications submission before the stated deadline. The County reserves the right to make the final judgement call to extend any deadline.

Should an emergency or unanticipated event interrupt normal County processes, and bid/proposal/statement of qualifications submissions cannot be received by the Jefferson County Purchasing Department's office by the exact time specified in the IFB and urgent County requirements preclude amendment to the IFB, the time specified for receipt of bids will be deemed to be extended to the same time of day specified in the solicitation on the first business day on which normal County processes resume.

3. Courthouse Security

Bidders are advised that all visitors to the Courthouse must pass through Security. **Bidders planning to hand deliver bids must allow time to get through Security, as a delay in entering the Courthouse will not be accepted as an excuse for late submittal.** Mondays and Tuesdays are particularly heavy days. Bidders are strongly urged to plan accordingly.

4. Preparation of Bids

The bid shall be legibly printed in ink or typed.

The County requests that bid submissions NOT be bound by staples or glued spines.

If a unit price or extension already entered is to be altered, it shall be crossed out and initialed in ink by the bidder.

The bid shall be legally signed and shall include the complete address of the bidder.

Jefferson County is exempt from Federal and State Sales Taxes, and such taxes shall not be included in bid prices.

5. Signatures

All bids, notifications, claims, and statements must be signed by an individual authorized to bind the bidder. The individual signing certifies, under penalty of perjury, that he or she has the legal authorization to bind the bidder.

6. County Holidays – 2018:

January 1	Monday	New Year's
January 15	Monday	Martin Luther King, Jr. Day
February 19	Monday	President's Day
March 30	Friday	Good Friday
May 28	Monday	Memorial Day
July 4	Wednesday	Independence Day
September 3	Monday	Labor Day
November 12	Monday	Veteran's Day
November 22 & 23	Thursday & Friday	Thanksgiving
December 24 & 25	Monday & Tuesday	Christmas
January 1, 2019	Tuesday	New Year's

7. Rejection or Withdrawal

Submission of additional terms, conditions or agreements with the bid document are grounds for deeming a bid non-responsive and may result in bid rejection. Jefferson County reserves the right to reject any and all bids and to waive any informalities and minor irregularities or defects in bids. Bids may be withdrawn in person by a bidder or authorized representative, provided their identity is made known and a receipt is signed for the bid, but only if the withdrawal is made prior to the time set for receipt of bids. Bids are an irrevocable offer and may not be withdrawn within 90 days after opening date.

8. Emergency/Declared Disaster Requirements

In the event of an emergency or if Jefferson County is declared a disaster area, by the County, State, or Federal Government, this Acceptance of Offer may be subjected to unusual usage. Contractor shall service the county during such an emergency or declared disaster under the same terms and conditions that apply during non-emergency/disaster conditions. The pricing as specified in this Acceptance of Offer shall apply to serving the County's needs regardless of the circumstances. If Contractor is unable to supply the services under the terms of the Acceptance of Offer, then Contractor shall provide proof of such disruption and a copy of the invoice from Contractor's supplier(s). Additional profit margin as a result of supplying services during an emergency or declared disaster shall not be permitted. In the event that additional equipment,

supplies, and materials are required during the declared disaster, additional shipping, handling and drayage fees may apply.

9. Award

The bid will be awarded to the responsible, responsive bidder(s) whose bid, conforming to the solicitation, will be most advantageous to Jefferson County – price and other factors considered. Unless otherwise specified in this IFB, Jefferson County reserves the right to accept a bid in whole or in part, and to award by item or by group, whichever is deemed to be in the best interest of Jefferson County. Any bidder who is in default to Jefferson County at the time of submittal of the bid shall have that bid rejected. Jefferson County reserves the right to clarify any contractual terms with the concurrence of the Contractor; however, any substantial nonconformity in the offer, as determined by Jefferson County, shall be deemed non-responsive and the offer rejected.

In evaluating bids, Jefferson County shall consider the qualifications of the bidders, and, where applicable, operating costs, delivery time, maintenance requirements, performance data, and guarantees of materials and equipment. In addition, Jefferson County may conduct such investigation as it deems necessary to assist in the evaluation of a bid and to establish the responsibility, qualifications, and financial ability of the bidders to fulfill the contract.

Jefferson County reserves the right to award this contract on the basis of **lowest and best bid** in accordance with the laws of the State of Texas, to waive any formality or irregularity, to make awards to more than one offeror, and/or to reject any or all bids. In the event the lowest dollar offeror meeting specifications is not awarded a contract, Offeror may appear before the Commissioners' Court and present evidence concerning Offeror responsibility after officially notifying the Office of the Purchasing Agent of Offeror's intent to appear.

10. Contract

A response to an IFB is an offer to contract with Jefferson County based upon the terms, conditions, and specifications contained in the IFB. Bids do not become contracts unless and until they are executed by Jefferson County, eliminating a formal signing of a separate contract. For that reason, all of the terms and conditions of the contract are contained in the IFB, unless any of the terms and conditions is modified by an IFB Amendment, a Contract Amendment, or by mutually agreed terms and conditions in the contract documents.

11. Waiver of Subrogation

Bidder and bidder's insurance carrier waive any and all rights whatsoever with regard to subrogation against Jefferson County as an indirect party to any suit arising out of personal or property damages resulting from bidder's performance under this agreement.

12. Fiscal Funding

A multi-year contract (if requested by the specifications) continuing as a result of an extension option must include fiscal funding out. If, for any reason, funds are not appropriated to continue the contract, said contract shall become null and void.

13. Bid Results

Bid results are not provided in response to telephone inquiries. A preliminary tabulation of bids received will be posted on the Purchasing web page (<http://co.jefferson.tx.us/purchasing/main.htm>) as soon as possible following bid opening. A final tabulation will be posted following bid award, and will also be available for review in the Purchasing Department.

14. Changes and Addenda to Bid Documents

Each change or addendum issued in relation to this IFB document will be on file in the Office of the Purchasing Agent, and will be posted on the Purchasing web site as soon as possible. It shall be the bidder's responsibility to make inquiry as to change or addenda issued, and to monitor the web site. All such changes or addenda shall become part of the contract and all bidders shall be bound by such addenda. Information on all changes or addenda issued will be available at the Office of the County Purchasing Agent.

15. Specifications

Unless otherwise stated by the bidder, the bid will be considered as being in accordance with Jefferson County's applicable standard specifications, and any special specifications outlined in the bid document. References to a particular trade name, manufacturer's catalogue, or model number are made for descriptive purposes to guide the bidder in interpreting the requirements of Jefferson County, and should not be construed as excluding bids on other types of materials, equipment, and supplies. However, the bidder, if awarded a contract, will be required to furnish the particular item referred to in the specifications or description unless departure or substitution is clearly noted and described in the bid. Jefferson County reserves the right to determine if equipment/ product being bid is an acceptable alternate. All goods shall be new unless otherwise so stated in the bid. Any unsolicited alternate bid, or any changes, insertions, or omissions to the terms and conditions, specifications, or any other requirements of the bid, may be considered non-responsive.

16. Delivery

Bids shall include all charges for delivery, packing, crating, containers, etc. Unless otherwise stated by the bidder (in writing on the included Bid Form), prices bid will be considered as being based on F.O.B. destination/delivered freight included.

17. Interpretation of Bid and/or Contract Documents

All inquiries shall be made within a reasonable time prior to the date and time fixed for the bid opening, in order that a written response in the form of an addendum, if required, can be processed before the bids are opened. Inquiries received that are not made in a timely fashion may or may not be considered.

18. Currency

Prices calculated by the bidder shall be stated in U.S. dollars.

19. Pricing

Prices shall be stated in units of quantity specified in the bid documents. In case of discrepancy in computing the amount of the bid, the unit price shall govern.

20. Notice to Proceed/Purchase Order

The successful bidder may not commence work under this contract until authorized to do so by the Purchasing Agent.

21. Certification

By signing the offer section of the Offer and Acceptance page, bidder certifies:

- The submission of the offer did not involve collusion or other anti-competitive practices.
- The bidder has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to any public servant in connection with the submitted offer.
- The bidder hereby certifies that the individual signing the bid is an authorized agent for the bidder and has the authority to bind the bidder to the contract.

22. Definitions

"County" – Jefferson County, Texas.

"Contractor" – The bidder whose proposal is accepted by Jefferson County.

23. Minority-Women Business Enterprise Participation

It is the desire of Jefferson County to increase the participation of Minority (MBE) and women-owned (WBE) businesses in its contracting and procurement programs. While the County does not have any preference or set aside programs in place, it is committed to a policy of equitable participation for these firms.

General Conditions of Bidding and Terms of Contract

By execution of this document, the vendor accepts all general and special conditions of the contract as outlined below and in the specifications and plans.

1. Bidding

1.1 Bids. All bids must be submitted on the bid form furnished in this package.

1.2 Authorized Signatures. The bid must be executed personally by the vendor, duly authorized partner of the partnership, or duly authorized officer of the corporation. If executed by an agent, a power of attorney or other evidence of authority to act on behalf of the vendor shall accompany the bid to become a valid bid.

1.3 Late Bids. Bids must be in the office of the Jefferson County Purchasing Agent before or at the specified time and date bids are due. Bids received after the submission deadline shall be rejected as non-responsive and returned unopened.

1.4 Withdrawal of Bids Prior to Bid Opening. A bid may be withdrawn before the opening date by submitting a written request to the Purchasing Agent. If time allows, the bidder may submit a new bid. Bidder assumes full responsibility for submitting a new bid before or at the specified time and date bids are due. Jefferson County reserves the right to withdraw a request for bids before the opening date.

1.5 Withdrawal of Bids after Bid Opening. Bidder agrees that its offer may not be withdrawn or cancelled by the vendor for a period of ninety (90) days following the date and time designated for the receipt of bids unless otherwise stated in the bid and/or specifications.

1.6 Bid Amounts. Bids shall show net prices, extensions where applicable and net total. In case of conflict between unit price and extension, the unit price will govern. Any ambiguity in the bid as a result of omission, error, unintelligible or illegible wording shall be interpreted in the favor of Jefferson County.

1.7 Exceptions and/or Substitutions. All bids meeting the intent of the specifications and plans will be considered for award. Vendors taking exception to the specifications and plans, or offering substitutions, shall state these exceptions in the section provided. If bid is made on an article other than the one specified, which a bidder considers comparable, the name and grade of said article must be specified in the bid and sufficient specifications and descriptive data must accompany same to permit thorough evaluation. The absence of stated exceptions and/or substitutions shall indicate that the vendor has not taken any exceptions to the specifications and shall be responsible to perform in strict accordance with the specifications. As a matter of practice, Jefferson County rejects exception(s) and /or substitutions as non-responsive but reserves the right to accept any and/or all of the exception(s) and/or substitution(s) deemed to be in the best interest of Jefferson County.

1.8 Alternates. The Invitation for Bid and/or specifications may expressly allow bidder to submit an alternate bid. Presence of such an offer shall not be considered an indication of non-responsiveness.

1.9 Descriptions. Unless otherwise specified, any reference to make, manufacturer and/or model used in the bid specifications is merely descriptive and not restrictive, and is used only to indicate type, style, or quality of material desired.

1.10 Bid Alterations. Bids cannot be altered or amended after submission deadline. Any interlineations, alterations, or erasures made before opening time must be initialed by the signer of the bid, guaranteeing authenticity.

1.11 Tax Exempt Status. Jefferson County is exempt from federal excise tax and state sales tax. Unless the bid form or specifications specifically indicate otherwise, the bid price must be net, exclusive of above-mentioned taxes and will be so construed. Therefore, the bid price shall not include taxes.

1.12 Quantities. Quantities indicated are estimated quantities only and are not a commitment to buy. Approximate usage does not constitute an order, but only implies the probable quantity that will be used. Commodities will be ordered on an as-needed basis. Bidder is responsible for accurate final counts.

1.13 Bid Award. Award of contract shall be made to the most responsible, responsive bidder, whose offer is determined to be the best value, taking into consideration the relative importance of price. Jefferson County reserves the right to be the sole judge as to whether items bid will serve the purpose intended.

Jefferson County reserves the right to accept or reject in part or in whole any bid submitted, and to waive any technicalities or informalities for the best interest of the County. Jefferson County reserves the right to award based upon individual line items, sections or total bid.

1.14 Silence of Specifications for Complete Units. All materials, equipment and/or parts that will become a portion of the completed work, including items not specifically stated herein but, necessary to render the service(s) complete and operational per the specifications, are to be included in the bid price. Vendor may be required to furnish evidence that the service, as bid, will meet or exceed these requirements.

1.15 Addenda. Any interpretations, corrections or changes to the specifications and plans will be made by addenda no later than forty-eight (48) hours prior to the bid opening. Addenda will be posted on the Purchasing web site. Vendors are responsible for monitoring the web site in order to remain informed on addenda. Vendors shall acknowledge receipt of all addenda with submission of bid.

1.16 General Bid Bond/Surety Requirements. Failure to furnish bid bond/surety, if requested, will result in bid being declared non-responsive. Non-responsive bids will not be considered for award.

1.17 General Insurance Requirements. Failure to furnish Affidavit of Insurance, if required in these specifications, will result in bid being declared non-responsive. Non-responsive bids will not be considered for award.

1.18 Responsiveness. A responsive bid shall substantially conform to the requirements of this Invitation to Bid and/or specifications contained herein. Bidders who substitute any other terms, conditions, specifications and/or requirements or who qualify their bids in such a manner as to nullify or limit their liability to the contracting entity shall have their bids deemed non-responsive. Also, bids containing any clause that would limit contracting authority shall be considered non-responsive. Examples of non-responsive bids include but shall not be limited to: a) bids that fail to conform to required delivery schedules as set forth in the bid request; b) bids with prices qualified in such a manner that the bid price cannot be determined, such as with vague wording that may include "price in effect at the time of delivery," and c) bids made contingent upon award of other bids currently under consideration.

1.19 Responsible Standing of Bidder. To be considered for award, bidder must at least: have the ability to obtain adequate financial resources, be able to comply with required or proposed delivery/completion schedule, have a satisfactory record of performance; have a satisfactory record of integrity and ethics, and be otherwise qualified and eligible to receive award.

1.20 Confidential/Proprietary Information

If any material in the bid submission is considered by Bidder to be confidential or proprietary information (including manufacturing and/or design processes exclusive to the Bidder), Bidder must clearly mark the applicable pages of Bidder's bid submission to indicate each claim of confidentiality. Additionally, Bidder must include a statement on company letterhead identifying all Bid Submission section(s) and page(s) that have been marked as confidential. Jefferson County will protect from public disclosure such portions of a bid, unless directed otherwise by legal authority, including existing open records acts. Merely making a blanket claim that the entire bid submission is protected from disclosure because it contains some proprietary information is not acceptable, and will make the entire bid submission subject to release under the Texas Public Information Act.

By submitting a bid, Bidder agrees to reproduction by Jefferson County, without cost or liability, of any copyrighted portions of Bidder's bid submission or other information submitted by Bidder.

1.21 Public Bid Opening. Bidders are invited to be present at the opening of bids. After the official opening of bids, a period of not less than one week is necessary to evaluate bids. The amount of time necessary for bid evaluation may vary and is determined solely by the County. Following the bid evaluation, all bids submitted are available for public review.

2. Performance

2.1 Design, Strength, and Quality. Design, strength, and quality of materials and workmanship must conform to the highest standards of manufacturing and engineering practices. The apparent silence of specifications and/or plans as to any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of these specifications and/or plans shall be made on the basis of this statement.

2.2 Age and Manufacture. All tangible goods being bid must be new and unused, unless otherwise specified, in first-class condition, of current manufacture, and furnished ready to use. All items not specifically mentioned that are required for a complete unit shall be furnished.

2.3 Delivery Location. All deliveries will be made to the address(es) specified on the purchase order during normal working hours of 8:00 a.m. to 4:00 p.m., Monday through Friday, unless otherwise authorized by the Purchasing Agent or designee.

2.4 Delivery Schedule. Delivery time may be an important consideration in the evaluation of best value. The maximum number of days necessary for delivery ARO shall be stated in the space, if provided, on the bid form.

2.5 Delivery Charges. All delivery and freight charges, F.O.B. destination shown on Jefferson County purchase order, as necessary to perform contract are to be included in the bid price.

2.6 Installation Charges. All charges for assembly, installation and set-up shall be included in the bid price. Unless otherwise stated, assembly, installation and set-up will be required.

2.7 Operating Instructions and Training. Clear and concise operating instructions and descriptive literature will be provided in English, if requested. On-site detailed training in the safe and efficient use and general maintenance of item(s) purchased shall be provided as needed at the request of Jefferson County. Instructions and training shall be at no additional cost to the County.

2.8 Storage. Bidder agrees to provide storage of custom ordered materials, if requested, for up to thirty (30) calendar days.

2.9 Compliance with Federal, State, County, and Local Laws. Bids must comply with all federal, state, county and local laws, including, but not limited to, all applicable standard safety, emission, and noise control requirements. Any vehicles or equipment shall contain all standard safety, emission, and noise control requirements required for the types and sizes of equipment at the time of their manufacture. The contractor agrees, during the performance of work or service, to comply with all applicable codes and ordinances of Jefferson County or the State of Texas as they may apply, as these laws may now read, or as they may hereafter be changed or amended.

2.10 OSHA. The bidder will certify all equipment complies with all regulations and conditions stipulated under the Williams-Steiger Occupational Safety and Health Act of 1971, as amended. The successful bidder will further certify that all items furnished under this project will conform and comply with federal and State of Texas OSHA standards. The successful bidder will agree to indemnify and hold harmless Jefferson County for any and all damages that may be assessed against the County.

2.11 Patents and Copyrights. The successful vendor agrees to protect the County from claims involving infringements of patents and/or copyrights.

2.12 Samples, Demonstrations and Testing. At Jefferson County's request and direction, bidder shall provide product samples and/or testing of items bid to ensure compliance with specifications. Samples, demonstrations and/or testing may be requested at any point prior to or following bid award. Samples, demonstrations and/or testing may be requested upon delivery and/or any point during the term of resulting contract. All samples (including return thereof), demonstrations, and/or testing shall be at the expense of the bidder/vendor.

2.13 Acceptability. All articles enumerated in the bid shall be subject to inspection by an officer designated for that purpose by Jefferson County. If found inferior to the quality called for, or not equal in value to the specifications, deficient in workmanship or otherwise, this fact shall be certified to the Purchasing Agent, who shall have the right to reject the whole or any part of the same. Items and/or work determined to be contrary to specifications must be replaced at the vendor's expense. Inferior items not retrieved by the vendor within thirty (30) calendar days, or an otherwise agreed upon time, shall become the property of the County. If disposal of such items warrants an expense, an amount equal to the disposal expense will be deducted from amounts payable to the vendor.

2.14 Maintenance. Maintenance required for equipment bid should be available in Jefferson County by a manufacturer authorized maintenance facility. Cost for this service shall be shown on the bid sheet as requested or on a separate sheet, as required. If Jefferson County opts to include maintenance, it shall be so stated in the purchase order and said cost will be included. Service will commence only upon expiration of applicable warranties and should be priced accordingly.

2.15 Material Safety Data Sheets. Under the "Hazardous Communications Act," common known as the "Texas Right to Know Act," a bidder must provide the user department, with each delivery, material safety data sheets which are applicable to hazardous substances defined in the Act. Failure of the bidder to furnish this documentation, will be cause to reject any bid applying thereto.

2.16 Evaluation. Evaluation shall be used as a determinant as to which services are the most efficient and/or most economical for the County. It shall be based on all factors having a bearing on price and performance of the items in the user environment. All bids are subject to tabulation by the Jefferson County Purchasing Department and recommendation to Jefferson County Commissioners' Court. Compliance with all bid requirements and needs of the using department are considered in evaluating bids. Pricing is not the only criteria for making a recommendation. The Jefferson County Purchasing Department reserves the right to contact any bidder, at any time, to clarify, verify or requirement information with regard to this bid.

3. Purchase Orders and Payment

3.1 Purchase Orders. A purchase order(s) shall be generated by the Jefferson County Purchasing Agent to the successful vendor. The purchase order number must appear on all itemized invoices and packing slips. The County will not be held responsible for any work orders placed and/or performed without a valid current purchase order number. Payment will be made for all services rendered and accepted by the contract administrator for which a valid invoice has been received.

3.2 Invoices. All invoices shall reference the Purchase Order number. Invoices shall reference the bid item number or a detailed description for each item invoiced. If an item purchased and itemized on the invoice does not correspond to an item in any of the categories awarded to the vendor, invoice shall reference the item as "N/C" to indicate that it is a non-contract item. This requirement is to assist the County in verifying contract pricing on all invoices. Payment will be made under terms of net thirty (30) days unless otherwise agreed upon by seller and the purchasing department.

3.3 Prompt Payment. In accordance with the State of Texas Prompt Payment Act, Article 601f V.T.C.S., payment will be made after receive and acceptance by the County of the merchandise ordered and of a valid invoice. Successful bidder(s) is required to pay subcontractors within ten (10) days after the successful bidder receives payment from the County.

3.4 Funding. Jefferson County is operated and funded on an October 1 to September 30 basis; accordingly, the County reserves the right to terminate, without liability to the County, any contract for which funding is not available.

4. Contract

4.1 Contract Definition. The General Conditions of Bidding and Terms of Contract, Specifications, Plans, Bidding Forms, Addenda, and any other documents made a part of this bid shall constitute the complete bid. This bid, when duly accepted by Jefferson County, shall constitute a contract equally binding between the successful bidder and Jefferson County.

4.2 Change Order. No different or additional terms will become part of this contract with the exception of a change order. No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders to the contract will be made in writing and at the discretion and approval of Jefferson County. No change order will be binding unless signed by an authorized representative of the County and the vendor.

4.3 Price Re-determination. A price re-determination may be requested at the time of annual renewal. All requests for price re-determination shall be in written form. Cause for such request, i.e., manufacturer's direct cost, postage rates, Railroad Commission rates, Federal/State minimum wage law, Federal/State unemployment taxes, F.I.C.A, Insurance Coverage Rates, etc., shall be substantiated in writing by the source of the cost increase. The bidder's past experience of honoring contracts at the bid price will be an important consideration in the evaluation of the lowest and best bid. Jefferson County reserves the right to accept or reject any/all requests for price re-determination as it deems to be in the best interest of the County.

4.4 Termination. Jefferson County reserves the right to terminate the contract for default if the bidder breached any of the terms therein, including warranties of bidder or if the bidder becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies which Jefferson County may have in law or equity. Default may be construed as, but not limited to, failure

to deliver the proper goods and/or service within the proper amount of time, and/or to properly perform any and all services required to Jefferson County's satisfaction and/or to meet all other obligations and requirements. Contracts may be terminated without cause upon thirty (30) days' written notice to either party unless otherwise specified. Jefferson County reserves the right to award canceled contract to the next lowest bidder. Bidder, in submitting this bid, agrees that Jefferson County shall not be liable to prosecution for damages in the event that the County declares the bidder in default.

4.5 Conflict of Interest. Employees of the County are not permitted to maintain financial interest in, or receive payment, directly or indirectly, borrow from, lend to, invest in, or engage in any substantial financial transaction with any individual, organization, supplier, or subcontractor who does business with the County without disclosure. When conflict of interest is discovered, it shall be grounds for termination of contract.

4.6 Injuries or Damages Resulting from Negligence. Successful vendor shall defend, indemnify and save harmless Jefferson County and all its officers, agents and employees from all suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the successful vendor, or of any agent, employee, subcontractor or supplier in the execution of, or performance under, any contract which may result from bid award. Successful vendor shall pay any judgment with cost which may be obtained against Jefferson County growing out of such injury or damages.

4.7 Interest by Public Officials. No public official shall have interest in this contract, in accordance with Texas Local Government Code.

4.8 Warranty. The successful vendor shall warrant that all materials utilized in the performance of this contract shall conform to the proposed specifications and/or all warranties as stated in the Uniform Commercial Code and be free from all defects in material, workmanship and title.

4.9 Uniform Commercial Code. The successful vendor and Jefferson County agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.

4.10 Venue. This agreement will be governed and construed according to the laws of the State of Texas. This agreement is performable in the County of Jefferson, Texas.

4.11 Sale, Assignment, or Transfer of Contract. The successful vendor shall not sell, assign, transfer or convey this contract, in whole or in part, without the prior written consent of Jefferson County.

4.12 Silence of Specifications. The apparent silence of these specifications as to any detailed description concerning any point, shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

5. Federal Emergency Management Agency (FEMA) Mandated Contract Clauses

If applicable to the work and services being performed by CONTRACTOR under the parties' AGREEMENT, the following provisions are adopted and form part of this AGREEMENT:

(A) DAMAGES, 2 CFR §200.326 Appendix II to Part 200 (A)

(1) All work to be performed under this AGREEMENT shall be timely commenced. A breach of this AGREEMENT by Contractor would cause substantial delay in the completion of the required services affecting the safety and welfare of the public.

(2) In the event of Contractor's breach of its performance obligations, County shall have all rights and remedies against Contractor as provided by law.

(B) TERMINATION RIGHTS, 2 CFR §200.326 Appendix II to Part 200 (B)

Termination for Convenience: Whenever the interests of the County so require, County may terminate the parties' Agreement, in whole or in part, for the convenience of the County. County shall give Contractor thirty (30) days prior written notice of termination specifying the portions of the Agreement to be terminated and when such termination will become effective. If only portions of the parties' agreement are terminated, Contractor has the right to withdraw from the parties' Agreement, without adverse action or claims. In the event of a termination for convenience by County, Contractor shall be entitled to payment for all work and services performed by it up to the effective date of such termination.

Termination for Cause: The County may, by written notice of default to Contractor, terminate the parties' Agreement, in whole or in part, if the Contractor fails to satisfactorily perform any provisions of the parties' agreement after a period of ten (10) following Contractor's receipt of a Notice of Deficiency provided by County.

(C) EQUAL EMPLOYMENT OPPORTUNITY CLAUSE (2 CFR §200.326 Appendix II to Part 200 (C))

If applicable to the work and services performed by CONTRACTOR under the AGREEMENT, during the performance of the AGREEMENT, CONTRACTOR shall comply with the Equal Employment Opportunity Clause (41 CFR 60-1.4(b)):

(1) CONTRACTOR will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. CONTRACTOR will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. AGREEMENTOR agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) CONTRACTOR will, in all solicitations or advertisements for employees placed by or on behalf of the CONTRACTOR, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.

(3) CONTRACTOR will send to each labor union or representative of workers with which it has a collective bargaining agreement or other agreement or understanding, a notice to be provided advising the said labor union or workers' representatives of the CONTRACTOR'S commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) CONTRACTOR will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(5) CONTRACTOR will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor for purpose of investigation to ascertain compliance with such rules, regulations, and orders.

(6) In the event of the CONTRACTOR'S noncompliance with the nondiscrimination clauses of this AGREEMENT or with any of the said rules, regulations or orders, this AGREEMENT may be canceled, terminated, or suspended in whole or in part and the CONTRACTOR may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(7) CONTRACTOR will include the portion of the sentence immediately preceding paragraph (1) and the provisions of subparagraphs 1 through 7 in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or contractor. CONTRACTOR will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: provided, however, that in the event CONTRACTOR becomes involved in, or is threatened with, litigation with a subcontractor or contractor as a result of such direction by the administering agency the CONTRACTOR may request the United States to enter into such litigation to protect the interest of the United States.

D. DAVIS-BACON ACT AND COPELAND "ANTI-KICKBACK" ACT, 2 CFR §200.326 Appen. II to Part 200 (D)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT:

(1) Bacon-Davis Act: Applicable to construction or repair of public buildings or public works. see FEMA Public Assistance Program and Policy Guide, Ch.2(V)(G)(2), page 32 (FP 104-009-2/January 2016);

(2) Copeland "Anti-Kickback" Act: In contracts subject to the Davis-Bacon Act, CONTRACTOR shall comply with the Copeland "Anti-Kickback" Act (40 U.S.C. §3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that the contractor and subcontractor must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The GOVERNMENT must report all suspected or reported violations to the appropriate Federal agency.

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT:

(a) CONTRACTOR shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this AGREEMENT.

(b) CONTRACTOR or subcontractor shall insert in any subcontract the clause above and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The CONTRACTOR shall be responsible for the compliance by any subcontractor or lower tier subcontract with all of these contract clauses.

(c) A breach of the AGREEMENT clause above may be grounds for termination of the AGREEMENT, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. §5.12.

E. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, 2 CFR §200.326 Appendix II to Part 200 (E) (40 U.S.C. 3701-3708)

Contracts in excess of \$100,000 that involve the employment of mechanics or laborers shall comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor and its subcontractors shall compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation: liability for unpaid wages: liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

(3) Withholding for unpaid wages and liquidated damages. The GOVERNMENT shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) The contractor and subcontractor shall insert in any subcontract the clauses set forth in paragraphs (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts.

F. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT, 2 CFR §200.326 Appendix II to Part 200 (F)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT and if the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the GOVERNMENT wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the GOVERNMENT must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business."

G. CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT, 2 CFR §200.326 Appendix II to Part 200 (G)

CONTRACTOR shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

CONTRACTOR shall include the foregoing requirements in each subcontract exceeding \$100,000.

H. ENERGY EFFICIENCY AND CONSERVATION, 2 CFR §200.326 Appendix II to Part 200 (H)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT, CONTRACTOR shall comply with the mandatory standards and policies of the state regulation promulgated in accordance with the Energy Policy and Conservation Act (42 U.S.C. § 6201).

I. DEBARMENT AND SUSPENSION, 2 CFR §200.326 Appendix II to Part 200 (I)

(1) This AGREEMENT is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the CONTRACTOR is required to verify that none of the contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

(2) The CONTRACTOR must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

(3) This certification is a material representation of fact relied upon by GOVERNMENT. If it is later determined that the CONTRACTOR did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to GOVERNMENT, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

(4) The CONTRACTOR agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C AGREEMENT is valid and throughout the period of performance. The CONTRACTOR further agrees to include a provision requiring such compliance in its lower tier covered transactions.

J. BYRD ANTI-LOBBYING AMENDMENT, 2 CFR §200.326 Appendix II to Part 200 (J)

CONTRACTOR must file with the GOVERNMENT the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award. If not provided with the bid response, CONTRACTOR must complete and submit the Certification Regarding Lobbying Form.

K. PROCUREMENT OF RECOVERED MATERIALS, 2 CFR §200.326 Appendix II to Part 200 (K) and 2 CFR §200.322)

(1) In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired-

- (a) Competitively within a timeframe providing for compliance with the contract performance schedule;
- (b) Meeting contract performance requirements; or
- (c) At a reasonable price.

(2) Information about this requirement is available at EPA's Comprehensive Procurement Guidelines web site, <http://www.epa.gov/cpg/>. The list of EPA-designate items is available at <http://www.epa.gov/cpg/products/htm>.

L. AGREEMENTING WITH SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS (2 CFR §200.321)

Should the CONTRACTOR subcontract any of the work under this AGREEMENT, CONTRACTOR shall take the following affirmative steps: place qualified small and minority businesses and women's business enterprises on solicitation lists; assure that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources; divide total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises; establish delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and use the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

M. ACCESS TO RECORDS

(1) CONTRACTOR agrees to provide GOVERNMENT, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives' access to any books, documents, papers, and records of the Contractor which are directly pertinent to this AGREEMENT for the purposes of making audits, examinations, excerpts, and transcriptions.

(2) CONTRACTOR agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

(3) CONTRACTOR agrees to provide the FEMA Administrator or his authorized representatives' access to construction or other work sites pertaining to the work being completed under the contract.

N. SEAL, LOGO AND FLAGS

CONTRACTOR shall not use the U.S. Department of Homeland Security's seal(s), logos, crests, or reproductions of flags or likenesses of the U.S. Department of Homeland Security's agency officials without specific FEMA preapproval.

O. COMPLIANCE WITH FEDERAL LAW, REGULATIONS AND EXECUTIVE ORDERS

This is an acknowledgement that FEMA financial assistance will be used to fund the AGREEMENT only. CONTRACTOR will comply with all federal law, regulations, executive orders, FEMA policies, procedures, and directives.

P. NO OBLIGATION BY FEDERAL GOVERNMENT

The Federal Government is not a party to this AGREEMENT and is not subject to any obligations or liabilities to GOVERNMENT, CONTRACTOR, or any other party pertaining to any matter resulting from the contract.

Q. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS

CONTRACTOR acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the CONTRACTOR'S actions pertaining to this contract.

Special Requirements/Instructions

The following requirements and instructions supersede General Requirements where applicable.

1. Bid Requirement

Each bidder shall ensure that required parts of the bid are completed with accuracy and submitted as per the requirements within this specifications packet, including any addenda.

Bidder is responsible for submitting one (1) original bid copy to include a completed copy of this specifications packet in its entirety; and three (3) numbered bid copies to include at a minimum all pages requiring completion and/or marked with instructions to be returned with bid submission and any other documentation requested within these specifications.

All bids shall be tightly sealed in an opaque envelope or box and plainly marked "SEALED BID." The outside of the envelope or box shall also include: Bid Number, Bid Name, Bid Due Date, Bidder's Name and Address; and shall be addressed to the Purchasing Agent.

Jefferson County shall not be responsible for any effort or cost expended in the preparation of a response to this IFB. All protests should be coordinated through the Purchasing Office prior to award recommendation to Commissioners' Court.

2. Vendor Registration: SAM (System for Award Management).

Vendors doing business with Jefferson County are **required** to be registered with The System for Award Management (SAM), with an "active" status. The System for Award Management (SAM) is the Official U.S. Government system that consolidated the capabilities of CCR/FedReg, ORCA, and EPLS. There is NO fee to register for this site. Entities may register at no cost directly from the SAM website at: <https://www.sam.gov>

Bidders are strongly encouraged to review their firm's SAM (System for Award Management) status prior to Bid Submission.

3. Awarded Vendor(s): Submission of FORM 1295 (Texas Ethics Commission)

In accordance with House Bill 1295 (passed January 1, 2016), Vendors entering into contracts and professional agreements with Jefferson County will be required to complete a Certificate of Interested Parties (FORM 1295).

In 2017, the Texas legislature amended the law to require Form 1295 to include an "unsworn declaration" which includes, among other things, the date of birth and address of the authorized representative signing the form. The unsworn declaration, including the date of birth and address of the signatory, replaces the notary requirement that applied to contracts entered into before January 1, 2018. The TEC filing application does not capture the date of birth or street address of the signatory and it will not appear on forms that are filed using the TEC filing application.

Upon entering into a contract or professional agreement, the Jefferson County Purchasing Department will submit a request to the Vendor to both:

1. Submit a FORM 1295 online via the Texas Ethics Commission website link below.

Vendors must enter the required information on Form 1295, and print a copy of the completed form. The form will include a certification of filing that will contain a unique certification number.

2. Submit a FORM 1295 hard copy (completed & signed by an Authorized Agent of the Awarded Vendor), to the Jefferson County Purchasing Department.

FORM 1295, Completion Instructions, and Login Instructions are available via the Texas Ethics Commission Website at: https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

4. Multiple Vendor Award

Jefferson County reserves the right to award this contract to more than one vendor at the County's discretion.

5. Delivery

If delivery is required, all items must be packaged so as to be protected from damage during shipping and handling. Any item(s) damaged in shipping must be replaced in kind, or repaired, by the contractor, at the discretion of, and at no additional charge to, Jefferson County.

6. Payment

Jefferson County will pay original invoices that clearly itemize the goods and/or services provided as to quantity, part number, description, price, applicable discount (if any), labor charges showing time differential, if applicable and if previously agreed to, and delivery, installation, and set-up costs, if applicable and if previously agreed to. Only charges as stated on the Bid Form(s) submitted as a part of the bid will be considered.

Invoices must indicate Jefferson County as applicable, the address to which the product(s) and/or service(s) were delivered, and the applicable purchase order number. Invoices will be matched to delivery tickets prior to payment; therefore, all delivery tickets should have an accurate description of the product(s) and/or service(s).

Invoices shall be submitted to: Jefferson County Auditing Department, Attention: Accounts Payable, 1149 Pearl Street, 7th floor, Beaumont, TX 77701.

7. Usage Reports

Jefferson County reserves the right to request, and receive at no additional cost, up to two (2) times during the contract period, a usage report detailing the products and/or services furnished to date under a contract resulting from this IFB. The reports must be furnished no later than five (5) working days after written request and itemize all purchases to date by Jefferson County department, description of each item purchased, including manufacturer, quantity of each item purchased, per unit and extended price of each item purchased, and total amount and price of all items purchased.

8. Insurance

The contractor (including any and all subcontractors as defined in Section 9.1.3 below) shall, at all times during the term of this contract, maintain insurance coverages with not less than the type and requirements shown below. Such insurance is to be provided at the sole cost of the contractor. These requirements do not establish limits of the contractor's liability.

All policies of insurance shall waive all rights of subrogation against the County, its officers, employees and agents; a copy of the policy wording or endorsement is required.

Contractor shall furnish Jefferson County with Certificate of Insurance and applicable endorsements.

All insurance must be written by an insurer licensed to conduct business in the State of Texas.

Minimum Insurance Requirements

General Liability, including Products	\$1,000,000
Business Auto Liability	\$1,000,000
Cargo / Transit Coverage	Replacement Cost Value of Equipment Purchased
Excess Liability	\$1,000,000
Workers' Compensation	Statutory Coverage

9. Workers' Compensation Insurance

9.1 Definitions:

- 9.1.1 **Certificate of coverage ("Certificate")** – A copy of a certificate of insurance, a certificate of authority to self-insure issued by the commission, or a coverage agreement, DWC-81, DWC-82, DWC-83, or DWC-84 showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the duration of the project.
- 9.1.2 **Duration of the project** – Includes the time from the beginning of the work on the project until the contractor's/person's work on the project has been completed and accepted by the governmental entity.
- 9.1.3 **Persons providing services on the project ("subcontractor") in article 406.096** – Includes all persons or entities performing all or part of the services under the contractor has undertaken to perform on the project, regardless of whether that person contracted directly with the contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractor, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services on the project. "Services" includes, without limitation, providing, hauling or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the project, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.
- 9.2 The Contractor shall provide coverage, based on proper reporting of classification code and payroll amounts and filing any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all employees of the contractor providing services on the project, for the duration of the project.
- 9.3 The Contractor must provide a certificate of coverage to the governmental entity prior to being awarded the contract – refer to Section 8 above.
- 9.4 If the coverage period shown on the Contractor's current certificate of coverage ends during the duration of the project, the Contractor must, prior to the end of the coverage period, file a new certificate of coverage with the governmental entity showing that coverage has been extended.
- 9.5 The Contractor shall obtain from each person providing services on a project, and provide to the governmental entity:
 - 9.5.1 A certificate of coverage, prior to that person beginning work on the project, so the governmental entity will have on file certificates of coverage showing coverage for all persons providing services on the project; and
 - 9.5.2 No later than seven (7) days after receipt by the Contractor, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate ends during the duration of the project.
- 9.6 The Contractor shall retain all required certificates of coverage for the duration of the project and for one (1) year thereafter.
- 9.7 The Contractor shall notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the contractor knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project.
- 9.8 The Contractor shall post on each project site a notice, in the text, form and manner prescribed by the Texas Department of Workers' Compensation, informing all persons providing services on the project that they are required to be covered, and stating how a person may verify coverage and report lack of coverage.

- 9.9 The Contractor shall contractually require each person with whom it contracts to provide services on a project to:
- 9.9.1 Provide coverage, based on reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all its employees providing services on the project, for the duration of the project.
 - 9.9.2 Provide to the Contractor, prior to that person beginning work on the project a certificate of coverage showing that coverage is being provided for all employees of the person providing services on the project, for the duration of the project.
 - 9.9.3 Provide the Contractor, prior to the end of coverage period, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project.
 - 9.9.4 Obtain from each person with whom it contracts, and provide to the Contractor:
 - 9.9.4.1 A certificate of coverage, prior to the other person beginning work on the project; and
 - 9.9.4.2 the coverage period, if the coverage period shown on the current certificate of a new certificate of coverage showing extension of coverage, prior to the end of coverage ends during the duration of the project.
 - 9.9.5 Retain all required certificates of coverage on file for the duration of the project and for one (1) year thereafter.
 - 9.9.6 Notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the person knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project; and
 - 9.9.7 Contractually require each person with whom it contracts to perform as required by paragraphs 9.1. – 9.7., with the certificates of coverage to be provided to the person for whom they are providing services.
- 9.10 By signing this contract or providing or causing to be provided a certificate of coverage, the Contractor is representing to the governmental entity that all employees of the contractor who will provide services of the project will be covered by workers' compensation coverage for the duration of the project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.
- 9.11 The Contractor's failure to comply with any of these provisions is a breach of contract by the Contractor which entitles the governmental entity to declare the contract void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the governmental entity.

Minimum Specifications

The following requirements and specifications supersede General Requirements where applicable. Any questions relating to these requirements should be directed to Jamey West, Assistant Purchasing Agent, at 409-835-8593 or jwest@co.jefferson.tx.us. Bidders may submit technical questions to: Jason Castille, with Jefferson County Precinct No. 3 at pct3sc@co.jefferson.tx.us. Please reference bid number IFB 18-013/JW.

Please be sure to review these bid specifications *carefully*, as the item that you are offering must **MEET OR EXCEED** these specifications.

Scope

Jefferson County is soliciting bids for heavy equipment to replace equipment that was damaged and rendered unrepairable due to Hurricane Harvey. **All bids should be for brand new, completely unused equipment.**

The specifications shown in this bid packet are intended to define the level of quality, performance, and features ONLY. Products offered shall be of equivalent dimensions, quality, performance and features or better (the brand name product listed is not required).

Instructions to Bidders (Re: Brand Reference / Equivalent Item Bids)

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders Submitting Bids for Alternate/Equivalent Items:

► Bidders may submit bids on alternate/equivalent items, but **MUST** attach TWO (2) COPIES of the MANUFACTURER SPECIFICATIONS (to include full warranty terms) for any alternate at the time of the bid.

► Bidders offering alternate/equivalent items **MUST ALSO** submit an ITEMIZED COMPARISON documenting equivalence for dimensions, quality, performance, and features of the products offered.

Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders Submitting Bids for Exact Make/Model as specified:

► Bidders offering the exact make/model as specified, **MUST** attach TWO (2) COPIES of the MANUFACTURER SPECIFICATIONS (to include full warranty terms).

Bid Item 1: Motor Grader

One (1) Mustang CAT Model: 120M2 Motor Grader or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey. This piece of equipment is to be in new, unused condition.

For full technical specifications for this bid item, see APPENDIX A.

Warranty Term for this equipment (included, without additional cost) should be at least: Five (5) calendar years from the date of delivery of equipment. The first year of warranty should cover the powertrain and hydraulics for an unlimited amount of hours; with warranty years 2-5 to cover 3,000 hours for powertrain and hydraulics.

Trade-In: Jefferson County will be trading in a used and **flood-damaged** 1998 Champion Motor Grader Model 710 A towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 1: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 22-36).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 37).

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Machine designed and built by the manufacturer
- ☐ Base Machine Weight shall not be less than 37,214 lbs. Weight shall include: standard machine configuration, lubricants, coolants, full fuel tank and operator of 200 lbs.
- ☐ Machine height to top of the cab shall not exceed 131 in.
- ☐ Machine length from the front outside edge tire to end of tow hitch shall not be less than 344 in.
- ☐ Machine length from counterweight to ripper not exceed 394 in.
- ☐ Machine Wheel Base (distance from front axle to mid tandem) shall not be less than 233 in.
- ☐ Rear frame includes two box section channels with an integrated bumper as standard.
- ☐ Toolbox
- ☐ Window protectors
- ☐ Cruise control
- ☐ Drain, ecology, engine Wiggins
- ☐ Cat Product Link 321SR

BASIC SPECIFICATIONS – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Vandal protection standard including locks for cab doors, engine side shields, (4) top tank radiator access door, engine coolant surge tank, hydraulic reservoir cap, fuel tank cap and toolbox.
- ☐ Rear hitch.

ENGINE

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Engine designed and built by the manufacturer.
- ☐ Engine is turbo-charged, direct injection, four stroke, 6-cylinder diesel engine.
- ☐ 209 horsepower
- ☐ Engine is certified EPA Tier 4 Final.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ENGINE (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Engine electronically controlled for more efficient fuel injection and fuel burn.
- ☐ Engine able to achieve rated power requirement with engine displacement not less than 7.1L (428 in.³) for better fuel economy.
- ☐ Engine capable of increasing its low idle to 1,000 rpm when the battery voltage is below 24.5 volts for more than 5 minutes to ensure adequate system voltage and battery reliability.
- ☐ Altitude deration will not occur at altitudes less than 10,000 ft. The deration rate above 10,000 ft. shall be 1.5% per 1,000 ft.
- ☐ Rated engine power shall not be achieved at an engine speed greater than 2,100 rpm.
- ☐ Engine will have a minimum torque rise of 56% from 2,100 rpm to peak torque following SAE J1349 (net power with max fan).
- ☐ Engine enclosure and daily service points accessible from ground level and grouped on the left side of the machine.
- ☐ Engine fan automatically adjusts fan speed via a variable hydraulic fan pump to meet engine cooling requirements thus reducing demand on the engine, putting more horsepower to the ground, reducing noise, improving fuel economy, and reducing heat.
- ☐ Engine allows for at least 500 hours of operation between oil changes.
- ☐ Engine is isolation/resilient mounted to minimize sound and vibration.
- ☐ Engine compartment doors are lockable without the use of external locks.
- ☐ Engine automatically lowers engine torque and alerts the operator if critical conditions are detected.
- ☐ Engine has air-to-air after cooler for superior engine performance.
- ☐ Engine oil cooler is a water to oil shell and tube cooler system.
- ☐ Machine has a 12,000 hour coolant interval from factory.
- ☐ The cooling package air intake has 2.8 mm perforated inlet screen.
- ☐ The charged air cooler (ATAAC) has 9 fins per inch.
- ☐ Heater, engine coolant: 120 V
- ☐ Heater, engine coolant: 240 V

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ENGINE-OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ A jacket water heater to assist in cold weather starting.
- ☐ An engine coolant heater to assist in cold weather starting.
- ☐ Ether starting aid included to automatically meter ether injection to prevent engine damage.

POWERTRAIN/TRANSMISSION

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Transmission built by the machine manufacturer.
- ☐ Transmission is direct drive, power shift, countershaft type.
- ☐ Transmission is equipped with built-in self-diagnostic capability.
- ☐ Transmission shall have no less than 8 forward speeds and 6 reverse speeds (for added safety).
- ☐ Transmission has 5 working gears between 0-10.4 mph, for dirt applications.
- ☐ Transmission is isolated/resilient mounted to reduce sound and vibration.
- ☐ Transmission: auto shift.
- ☐ Powertrain: fuel tank, fast fill.
- ☐ Powertrain: Oil, hydraulic, biodegradable synthetic.
- ☐ Starter: heavy duty, 1,000 Amp
- ☐ A controlled throttle shifting system to smooth directional gear changes without use of inching pedal
- ☐ Electronic Throttle Control (cruise control), controlled by a push button, located on a 3-axis joystick as standard on the right joystick control for resuming and decreasing throttle set.
- ☐ Electronic Throttle Control modes, set and accelerate functions, located on the right control column for easy access.
- ☐ A load compensating system for transmission to ensure consistent shift quality in all applications.
- ☐ Automatic Differential Lock/Unlock feature included and shall not have speed, shuttle shifting or tandem spinning restrictions for engaging/disengaging. System is load-sensing for optimal performance.
- ☐ Automatic mode that shall not be overridden via manual intervention for optimal performance and to prevent unintended differential engagement.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

POWERTRAIN/TRANSMISSION (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Differential Lock/Unlock that is electro-hydraulically controlled, as a standard feature.
- ☐ Differential Lock/Unlock that is multi-disc design.
- ☐ Final drive with planetary design.
- ☐ The rear axle with a bolt-on modular design offering easy access to differential components, improving serviceability and contamination control.
- ☐ The total surface area of all the transmission clutch packs not be less than 1,495 in.².
- ☐ Diameter at the output end of the transmission shaft no less than 2.29 in..
- ☐ Electronic inching pedal for improved modulation and machine control.
- ☐ Electronic over-speed protection to prevent the engine and transmission from over speeding, as a standard feature.
- ☐ Machine shall have no drive shafts that cross over the articulation hitch.

POWERTRAIN/TRANSMISSION - OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ An auto-shift transmission option available on all forward and reverse gears.

STEERING & IMPLEMENT CONTROLS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Steering wheel shall not be required to operate machine.
- ☐ Joystick steering capabilities shall be ISO 5010.
- ☐ Machine shall employ a friction pack style steering mechanism, utilizing the follow steer concept.
- ☐ The left 3-axis joystick that controls wheel lean with individual left and right wheel lean buttons as standard.
- ☐ Primary steering capable of being achieved via a left hand, multifunction, 3-axis, joystick as standard, using an intuitive steering control system that automatically adjusts steering sensitivity as machine ground speed increases.
- ☐ Articulation to the right or left shall be achieved by multifunction, 3-axis left joystick with the twist of such to the right or left by the left-hand, multifunction, 3-axis joystick.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STEERING & IMPLEMENT CONTROLS (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ An articulation return-to-center button on the left multifunction, 3-axis, joystick, shall return the machine to a straight frame position from any articulation angle with the touch of a single button.
- ☐ The right 3-axis joystick shall primarily control the Drawbar, Circle, and Moldboard.
- ☐ Machine, Drawbar, Circle, and Moldboard control shall be achieved via right-hand multifunction, 3-axis, joystick, including moldboard slide and tip, drawbar center shift through a 4-way hat switch and circle turn by a left or right twist intuitively.
- ☐ Blade lift cylinders individually controlled by the multifunction, 3-axis joysticks; Lift and drop of cylinders shall be achieved forward and back motion of the respective joystick. Forward (left joystick) lowers the left cylinder, back (left joystick) raises the left lift cylinder, forward (right joystick) lowers the right lift cylinder, back (right joystick) raises the right lift cylinder.
- ☐ Joystick controls mounted to adjustable pedestals, hard mounted to the cab floor, independent of the operator seat.
- ☐ Secondary steering with primary and secondary power supply in the event the primary source is lost.
- ☐ Transmission direction control with a 3-position rocker switch for selecting forward, neutral, and reverse incorporated into a single, 3-axis, multi-function, left-hand joystick control.
- ☐ Manual Differential Lock/Unlock that is operator controlled, via a push-button, located on a single, 3-axis, multi-function, right-hand joystick control.
- ☐ Two redundant articulation sensors.
- ☐ Two redundant sensors shall be standard in the steering cylinders (one in each).
- ☐ Three redundant sensors shall be provided in the steering joystick for additional safety.

BRAKES

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Primary and secondary service brakes.
- ☐ Entire braking system shall meet all requirements of ISO 3450: 1996.
- ☐ Two separate left and right hydraulic brake accumulators shall be standard for safety.
- ☐ Parking brake shall be multi-disc, oil-cooled, spring-applied, hydraulically released, sealed, adjustment-free and integrated into the transmission. Park brake shall not be externally located.
- ☐ Parking brake shall be serviceable without removing the transmission.
- ☐ Service brakes shall be multi-disc, oil-cooled and completely sealed; they will also provide access to check and determine brake wear without removing or disassembling the brake assembly.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

BRAKES (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Service brake disc surfaces shall be grooved and carry oil between discs and plates with brakes fully applied.
- ☐ Service brakes shall be hydraulically actuated, utilizing dual independent brake circuits.
- ☐ Brakes shall be continuously pressurized, filtered, oil cooled.
- ☐ Individual brake pods for each rear wheel, located at each rear wheel inside the tandem box, independent of tandem chains.
- ☐ Compensation components at all four tandem brake pods in addition to the brake wear indicator.
- ☐ Brake line protection, including tandem walkways and hydraulic brake line guarding, shall be required to prevent line damage.
- ☐ Service brakes shall provide a minimum of 3,565 in.² of total friction material surface area used at each of the four tandem wheels to eliminate braking loads on the power train.

HYDRAULIC SYSTEM

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Triple redundant hydraulic relief system shall protect machine hydraulic components.
- ☐ Hydraulic implement pump shall produce between 0 and 55.5 gal/min (210L/min) of oil flow at high idle.
- ☐ Hydraulic system shall be a closed center, load sensing type, with a variable displacement, axial piston-type pump.
- ☐ Hydraulic system shall be fully sealed, using Duo-cone and O-ring face seals to prevent leaks, contamination, and spillage.
- ☐ Hydraulic tank shall have a baffling system to reduce potential pump cavitations.
- ☐ Maximum hydraulic system pressure shall be no more than 3,500 psi.
- ☐ Implement valves shall be electro-hydraulic, designed and built by the machine manufacturer.
- ☐ Implement pump shall not be mounted under cab floor, minimizing sound and vibration.
- ☐ Hydraulic arrangements with one or more additional hydraulic valves for rear ripper, dozer.
- ☐ Implement valves shall be proportional priority pressure compensating for consistent response, when multi-functioning any combination of implement controls and independent of engine speed.
- ☐ Implement pump solely dedicated to implement controls and not shared with any other components.
- ☐ Lock valves integrated into the main implement valve to prevent cylinder drift.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

HYDRAULIC SYSTEM (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ The hydraulic stand-by pressure shall be no more than 609 psi.
- ☐ Provision to install up to fifteen modulating hydraulic valves, controlled by two, three-axis, multi-functioning, joystick controls and auxiliary controls inside the cab.
- ☐ Hydraulic valves shall not be mounted under the cab floor, minimizing sound and vibration.
- ☐ Left and right blade lift cylinders shall have independent float capability, actuated by two multifunction, 3-axis joystick controls inside the cab, as a standard feature.
- ☐ Sight gauge provided for checking hydraulic reservoir fluid.
- ☐ Hydraulic oil change service interval shall be no less than 6,000 hours with oil sampling.
- ☐ Hydraulic system shall have a separate oil tank solely dedicated to the implement pump.

FRONT AXLE AND TANDEMS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Front axle oscillation shall be no less than 32 degrees total, per side 16 degrees up, 16 degrees down.
- ☐ Front axle with arched design for maximum ground clearance.
- ☐ Wheel spindle shall be a "live" spindle design and rotate inside a sealed compartment with lightweight oil for lubrication of the bearings.
- ☐ Front spindle that is heat induction hardened.
- ☐ Front wheel spindle bearings shall be a double-tapered design with the larger diameter bearing mounted closest to the centerline of the front tire.
- ☐ Front wheel spindle maintenance intervals shall be no less than 2,000 hours.
- ☐ Front wheel steering angle no less than 47.5 degrees left or right.
- ☐ Maximum front wheel lean no less than 18 degrees left or right.
- ☐ Machine turning radius not exceed 24 ft. 3 in. using front steering, full articulation and unlocked differential.
- ☐ Distance between center of tandem wheels no less than 59.5 in..
- ☐ Tandem chain pitch not be less than 1.8 in..
- ☐ Tandems capable of oscillating 15 degrees front tandem up and 25 degrees front tandem down, with full machine articulation and having no interference between tandem wheel and machine structure.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

FRONT AXLE AND TANDEMS (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Electronic and mechanical steering stops located at each wheel and steering cylinder relief valves shall be present to prevent steering system damage during normal operation.
- _____ Steering tie rod ends shall be heat induction hardened.
- _____ Two steering cylinders for maximum steering force.
- _____ When equipped with a ripper, the machine shall have a minimum ramp angle of 15 degrees.

TIRES AND RIMS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ A 10 inch by 24 inch size 3-piece tire rim shall be available to provide mounting for 14.00R24 conventional tires.

TIRES AND RIMS – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ A 14 inch by 25 inch size 3-piece tire rim shall be available to provide mounting for 17.5-R25 tires.

GUARDS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Guards: Sound suppression (bottom)
- _____ Guards: Sound suppression (enclosure)
- _____ Guards: Transmission

OPERATORS STATION

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ An enclosed cab with ROPS (Rollover Protective Structure) according to ISO 3471 shall be provided.
- _____ Cab door with hold-open clasp with a ground-level release and in addition to, a release in the cab.
- _____ Cab shall be isolation-mounted to the front frame section of the machine.
- _____ Cab shall have fixed front window of laminated glass with intermittent wiper.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

OPERATORS STATION (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ FOPS (Falling Object Protective Structure) shall be provided according to ISO 3499.
- ☐ Machine shall have no less than 17 adjustable vents, positioned to direct air to front windows and operator.
- ☐ Radio ready arrangement will include 24V to 12V converter, two speakers, antenna, and wiring.
- ☐ An instrument cluster that includes a speedometer, tachometer, coolant temperature, fuel and articulation angle gauge.
- ☐ Operator cab fresh air-filter accessible for clean out and replacement, from outside of the cab at ground level.
- ☐ A real-time information system shall monitor all system data and alert the operator of any faults through a digital text display. This information system shall be programmable for multiple languages.
- ☐ Left and right side cab doors shall be provided.
- ☐ Wipers on side and rear windows.
- ☐ Digital machine hour meter.
- ☐ Electronic message system shall provide real-time machine performance and diagnostic data.
- ☐ Mirrors, outside: heated 24 V
- ☐ Mirrors, outside: mounted
- ☐ Precleaner: HVAC
- ☐ Radio Ready, AM/FM
- ☐ Shade, sun
- ☐ Forward visibility shall be continuous and unobstructed glass from roofline to floor providing visibility of the blade, heel and toe, back of the cutting edge, and front tires.
- ☐ Access to cab shall be three anti-skid steps.
- ☐ Cab shall have cup holder, personal cooler holder/storage compartment for operator's manual, with a molded floor mat.
- ☐ Window washer fluid bottle refill spout shall be located external of the cab.
- ☐ Auxiliary control pod, with implement float control capability, shall be available.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

OPERATORS STATION – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Auxiliary controls shall be available for control of attachment implements and/or work tools, and shall be programmable via computer software.
- ☐ Auxiliary controls shall be a fingertip control type and located beside the right-hand joystick control.
- ☐ Integrated display and wiring for a rear vision camera shall be available with capability to view at all times without interfering with the gauge and diagnostic display.
- ☐ A rear sun shade shall be available.
- ☐ A rear defroster fan shall be available.
- ☐ An air suspension seat shall be available.

CIRCLE & MOLDBOARD

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Drawbar, circle, and moldboard shall be controlled with a maximum of two multifunction, 3-axis joysticks, as standard.
- ☐ Drawbar wear strips shall be replaceable drop-in inserts made from nylon composite materials, replaceable and adjustable from the top of the drawbar plate via removable cover plates.
- ☐ The drawbar shall feature welded protective wear plates to prevent lift group contact with the primary drawbar structure.
- ☐ The moldboard shall be 12 ft. long, 24 in. high and no less than 7/8 in. thick.
- ☐ Moldboard shall have a bank slope angle capability of at least 90 degrees to both sides.
- ☐ Moldboard shall have no less than 16.3 in. arc radius (blade curvature) for optimum productivity.
- ☐ The moldboard retention system shall have no more than two retention points located on the left and right side of the moldboard. The surface area shall not be less than 78.13 in.².
- ☐ Moldboard shall have a hydraulic tip control through a range of 40 degrees fore and 5 degrees aft.
- ☐ Moldboard wear strips shall be adjusted with lock screws, providing shim-less adjustment capability both vertical and horizontal.
- ☐ The moldboard shall be pre-stressed during manufacturing for superior strength and durability.
- ☐ Moldboard side rails shall be constructed of heat-treated, high carbon steel and have replaceable bronze alloy wear inserts on top and bottom.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

CIRCLE & MOLDBOARD (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Circle shall be a single piece, rolled-ring forging, with raised wear surfaces on the top and bottom.
- ☐ Circle shall be rotated by a hydraulically driven motor with a minimum circle pinion torque capability of 44,253 ft.-lb.
- ☐ Circle teeth contact surfaces shall be induction-hardened on the front 240 degrees of the circle.
- ☐ Blade lift and center shift cylinders shall have replaceable bronze-alloy wear inserts in the ball sockets with removable shims to insure the ability to remove free play throughout the useful wear insert life.
- ☐ The lift cylinder casting shall be welded to the front frame for added strength and structural integrity.
- ☐ The standard mounting hardware for cutting edges and end bits shall be 3/5 inch.
- ☐ Linkbar pin shall be separate from pin pulling mechanism for easier service and lower O&O costs.
- ☐ The draft frame pivot connection shall have a single ball stud with grease zerk. Ball stud shall be bolt-on, shimable and adjustable to allow for quick and easy field serviceable design.
- ☐ Three sideshift anchor positions shall be provided for extended reach capability as standard.
- ☐ Pinion Gear shall be separate from the Pinion Shaft to allow for a quick and easy serviceable design.
- ☐ Circle outside diameter shall be no less than 60.2 in.
- ☐ Throat clearance with standard moldboard shall be at least 126 mm.
- ☐ There will be no more than 6 replaceable wear inserts between the circle and drawbar providing at least 163 in.² of wear surface area.

CIRCLE & MOLDBOARD – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Blade lift accumulators shall be provided, protecting cutting edge and other components from damage shock loads as an option.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

WORK TOOLS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Blade extension, left hand (2 ft.)
- ☐ Cutting edges, curved
- ☐ Endbits, overlay
- ☐ Front lift group, mounting
- ☐ Front lift group, mechanical
- ☐ Grader bit, narrow and super penetration
- ☐ Push plate, counterweight
- ☐ Ripper, mounting
- ☐ Ripper, rear
- ☐ Ripper tooth

ELECTRICAL

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Six 3 X 3 halogen mounted cab lights.
- ☐ 24 V to 12 V converter with 10-amp capacity.
- ☐ Starting system shall be a 24 V direct electric type.
- ☐ Incandescent white reversing lamps and LED stop lamps shall be provided.
- ☐ Electrical system shall have a master disconnect switch with a removable key (in addition to the ignition switch), accessible from the ground level.
- ☐ Core machine systems shall be electronically connected, optimizing performance and preventing machine damage.
- ☐ All wiring arranged and located so as to facilitate regular visual inspections, not to be in contact with hot surfaces and not routed with other services lines (e.g. fuel, oil, etc.)
- ☐ All harnesses/cabling secured with clipping clamps providing a gap between the conduit/harness and the mounting surface preventing material build-up.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ELECTRICAL – OPTIONAL ATTACHMENTS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☐ 800 CCA batteries
- ☐ 80 amp alternator
- ☐ High and low bar headlights with front turn signals.
- ☐ Amber LED high-speed strobe beacon.
- ☐ 24V to 12V converter with 25 amp capacity.
- ☐ Lights: high
- ☐ Lights: low
- ☐ Lights: Working lights, basic
- ☐ Lights: Working lights, plus
- ☐ Lights: Warning: beacon or strobe
- ☐ Lights: Mounting for warning light

SERVICEABILITY

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☐ High-speed oil drain system with ground level quick-connect access.
- ☐ Lockable swing-out cooling fan housing featuring a latch-style mechanism (shall not be of a bolted design), allowing easy access to cores. Ability to open/close shall be ground level accessible, eliminating need to climb on machine.
- ☐ Dip stick (at ground level) for checking transmission fluid.
- ☐ Hydraulic tank site gauge, readable from the ground.
- ☐ Hydraulic tank filter (cartridge style filter) providing a separate filter element, housing, and drain valve for quick and clean servicing.
- ☐ Ability for ground level fueling.
- ☐ Sampling ports accessible from the tandem level and providing access to the engine, hydraulic, coolant, and fuel ports.
- ☐ A two-way communication tool shall give service technicians easy access to stored diagnostic data and allow configuration of machine parameters.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

SERVICEABILITY (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ The articulation joint shall have mechanical locking device to prevent frame articulation while servicing or transporting the machine.
- ☐ Left and right side tandem case assemblies shall be covered with punched steel plate to provide an adequate platform for standing and walking.
- ☐ Sampling ports shall be accessible from the tandem level and provide access to the engine, hydraulic coolant, and fuel ports.
- ☐ Engine primary and final fuel filters with 500 hour service replacement interval.
- ☐ Engine with primary fuel filter with fuel water separator and electronic sensor, quick release dual stage filter and primer pump.
- ☐ Centralized lube bank at the articulation joint to give access to difficult zerks.
- ☐ Transmission filter restriction indicator displayed in the cab.
- ☐ Lock-out Tag-out capabilities provided standard to increase the safety levels during down time; ensuring that an energy isolating device and the machine which are being worked cannot be operated.

SERVICEABILITY – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Guard to protect the machine's transmission from debris.
- ☐ Guard to suppress sound from the engine.

MINIMUM SERVICE FILL CAPABILITIES

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Standard fuel tank capacity of at least 90 gallons.
- ☐ Standard cooling system capacity of at least 12.9 gallons.
- ☐ Standard hydraulic tank capacity of at least 16.9 gallons.
- ☐ Standard engine oil capacity of at least 7.9 gallons.
- ☐ Standard tandem housing capacity of at least 15.6 gallons.
- ☐ Standard front wheel spindle bearing housing capacity of at least 0.1 gallons.
- ☐ Standard circle drive housing capacity of at least 1.8 gallons.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

SAFETY AND ENVIRONMENTAL

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☐ Circle drive slip clutch to reduce horizontal moldboard impact damage.
- ☐ Black glare-reducing paint on the front frame and engine enclosure to decrease glare from other equipment lights and reflection from the sun and snow.
- ☐ Hydraulic implement lock-out, achievable by actuating a single electrical switch within the operator station.
- ☐ An external emergency kill switch for ground level engine shut down.
- ☐ Secondary, electric steering pump with redundant wiring as a back-up to the primary implement hydraulic pump.
- ☐ Laminated glass for the front windows and doors, to protect the operator from shattered glass.
- ☐ Dual exits allowing for emergency egress should one side become obstructed.
- ☐ Electrical system with master disconnect switch with a removable key and lock for added safety (in addition to ignition switch).
- ☐ Steering software system to automatically reduce steering sensitivity as the ground speed increases.
- ☐ Back-up lights and sounding alarm when reverse gears are selected.
- ☐ Environmentally friendly drain valves for the hydraulic oil, engine oil, engine coolant, transmission, differential and fuel tank.
- ☐ Cooling fan with both shroud and rear grill for protection during service.
- ☐ Machine shall allow cab interior and exterior lights to remain on separate from ignition switch, for safe exit of the machine during night operation.
- ☐ Engine and transmission shall be rubber isolation mounted to reduce noise and vibration.

SAFETY AND ENVIRONMENTAL – OPTIONAL ATTACHMENTS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☐ Guard shall be available to protect the machine's transmission from debris.
- ☐ Rear vision camera with integrated display and wiring.

Bid Item 1: Motor Grader
BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

[illegible]

Bid Item 2: Pneumatic Roller

One (1) BOMAG Model: BW11RH-5 Pneumatic Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Pneumatic Roller is to be complete with All Standard Equipment including ROPS/FOPS, Water Sprinkler System, Rotary Beacon, and Additional Ballast to 2,313 lbs., Cocoa Mats and Back-Up Alarm.

For full technical specifications for this bid item, see APPENDIX B.

Warranty term for this equipment (included, without additional cost) should be at least: One (1) calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade In: Jefferson County will be trading in a used and **flood-damaged** Dynapac CP142 (SN: 1000-500C0B000882) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 2: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 39-40).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 2: Pneumatic Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 41).

Addendum No. 1 – Revised Page 39 of Bid Specifications

BASIC SPECIFICATIONS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- _____ Base Machine weight should not be less than ~~27,000~~ **11,075 lbs**
- _____ **Machine should operate with a ballast weighing up to 6,000 lbs**
- _____ Capable of speed: 15.5 mph or higher
- _____ Water Tank Capacity of at least 150 gallons
- _____ Turning Radius: 9 ft.
- _____ ROP Height: 9.4'
- _____ Self-lubricating bushings that are maintenance-free
- _____ Maintenance-free braking system
- _____ Flashing lights and blinkers for on-road safety

STANDARD EQUIPMENT

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- _____ Scraper per wheel
- _____ Hour meter
- _____ Warning horn
- _____ Control panel for: engine oil pressure, engine temperature, air filter vacuum, charge control, hydraulic oil filter, coolant level, fuel tank capacity
- _____ (2) outside mirrors
- _____ Lockable anti-vandal dashboard protection
- _____ Operator's platform with: one steering wheel, laterally sliding swivels
- _____ Back-up alarm
- _____ Hydrostatic transmission
- _____ Tier 4 Kubota Diesel Engine
- _____ Nine 7.50 X 15 X 14 ply tires
- _____ Fuel gauge
- _____ Hydrostatic, center articulated steering with +/- 10 degree frame oscillation

Bid Item 2: Pneumatic Roller
TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
 Is to be INCLUDED (for Price Bid):

- _____ Rear wheel oscillation: +/- 4 degrees outside & +/- 5 degrees center
- _____ Spring-Applied, Hydraulically Released (SAHR) brakes

OPTIONAL FEATURES

✓ Check Here If Feature
 Is to be INCLUDED (for Price Bid):

- _____ Headlights (front and rear)
- _____ Turn signals and 4-way flashers
- _____ Pressurized water spray system
- _____ Radial tires w/ approx. 14 ply rating
- _____ Steel ballast
- _____ Heat retention shields
- _____ Pressurized water spray system
- _____ Special paint, 1 color (Enamel only)
- _____ Indicator and hazard lights

Bid Item 2: Pneumatic Roller
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

1. *What is the main purpose of the study?*
 2. *What are the research objectives?*
 3. *What is the research methodology?*
 4. *What are the findings of the study?*
 5. *What are the conclusions of the study?*
 6. *What are the limitations of the study?*
 7. *What are the implications of the study?*
 8. *What are the future research directions?*
 9. *What are the contributions of the study?*
 10. *What are the key words of the study?*

Bid Item 3: Vibratory Tandem Roller

One (1) BOMAG Model: BW161AD-5 Vibratory Tandem Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Vibratory Tandem Roller is to be complete with All Standard Equipment including 90 degree swivel seat unit, Economizer, ROPS, Temperature Gauge, and Joint with Crabwalk.

For full technical specifications for this bid item, see APPENDIX C.

Warranty term for this equipment (Included, without additional cost) should be at least: (1) one calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade-In: Jefferson County will be trading in a used and **flood-damaged** CAT CB534-C (SN: 5HN00552) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 3: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 43-44).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 45).

Addendum No. 2 – Revised Page 43 of Bid Specifications

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Operating Weight should be at least 21,600 lbs
- ☐ Turning Radius: 192.1"
- ☐ Vibratory Frequency for Drums: 3,000/4,200 VPM
- ☐ Engine: 114 horsepower
- ☐ Top speed should be at least 7.5 mph
- ☐ No grease nipples.
- ☐ Sealed bearings.
- ☐ Economizer System
- ☐ Economode Feature
- ☐ ~~Tango Oscillation Feature~~
- ☐ Visible sight lines to drum edge
- ☐ Open operator's platform
- ☐ 180 degree seat & steering, so the driver can have their front or back turned to the edge of the machine for a better view.

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ 2 amplitudes / 2 frequencies
- ☐ Kubota Tier 4i engine
- ☐ Automatic vibration operation
- ☐ Individual vibration control
- ☐ Adjustable driver's seat – 180 degrees; laterally slidable with steering wheel
- ☐ On-board indicators: engine speed, speedometer, fuel consumption, engine temperature
- ☐ Pressure sprinkling system with 2 pumps
- ☐ Low water level indicator

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Indicator and hazard lights
- ☐ Back-up alarm
- ☐ Battery disconnect switch
- ☐ Storage for documents and tools
- ☐ Emergency stop button
- ☐ ROPS/FOPS w/safety

OPTIONAL EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Economizer
- ☐ Asphalt temperature display
- ☐ Edge cutter
- ☐ Rotary beacon
- ☐ Environmentally friendly hydraulic oil

Bid Item 3: Vibratory Tandem Roller
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked “N/A” on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked “N/A” on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

This image shows a single page from a notebook or ledger. It features approximately 20 evenly spaced horizontal black lines across its entire width, providing space for writing. The margins are uniform on all sides. There are no titles, dates, or other markings present on the page.

Bid Item 4: Single Drum Padfoot Roller

One (1) BOMAG Model: BW211PD-5 84" Single Drum Padfoot Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Single Drum Padfoot Roller is to be complete with All Standard Equipment including Magnetic Flashing Beacon.

For full technical specifications for this bid item, see APPENDIX D.

Warranty term for this equipment (included, without additional cost) should be at least: One (1) calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade-In: Jefferson County will be trading in a used and **flood-damaged** BOMAG BW213DH-40 (SN: 901582561088) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 4: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 47-48).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 49).

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Operating weight should be at least 28,109 lbs
- ☐ Transmission: (4) Gears
- ☐ Motor: 2-wheel drive
- ☐ Vibration Settings: (4)
- ☐ Idle Speed Controller
- ☐ No grease nipples

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ ECOMODE
(adjusts the engine speed to respective power requirements to save 30% less fuel consumption)
- ☐ Warning, information and operation displays with LCD
- ☐ Loading mode
- ☐ Noise insulation
- ☐ Hydrostatic travel and vibration drive
- ☐ Hydrostatic articulated steering
- ☐ Articulated joint lock
- ☐ Rear axle with twin spring accumulator brakes
- ☐ No-spin differential lock
- ☐ Warning horn
- ☐ Single lever control for travel and vibration
- ☐ Seat with arm rest and adjustable for position and height
- ☐ (2) Scrapers
- ☐ Emergency STOP

Bid Item 4: Single Drum Padfoot Roller
TECHNICAL SPECIFICATIONS CHECKLIST FORM

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Back-up alarm
- ☐ Working lights front/rear
- ☐ Sliding window
- ☐ Battery disconnect switch

OPTIONAL EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ ROPS/FOPS with safety belt
- ☐ BOMAG ECOSTOP Feature (shuts down the engine automatically depending on temperatures, charging condition, etc.)
- ☐ Indicator and hazard lights
- ☐ Rotary beacon
- ☐ Environmentally compliant hydraulic oil
- ☐ Measuring-and-machine data interface for third-party suppliers

Bid Item 4: Single Drum Padfoot Roller
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Bid Item 5: Utility Tractor

One (1) John Deere 5065E Utility Tractor OOS 4WD or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

For full technical specifications for this bid item, see APPENDIX E.

Warranty term for this equipment: Warranty term for this equipment (included without additional cost) should be at least: (2) two calendar years/or 2,000 hours from the date of delivery of equipment or whichever comes first, with the warranty to cover powertrain and components as described below in Paragraphs A & B.

A. WHAT IS WARRANTED – Subject to Paragraph B, all parts of any new Equipment are to be warranted for the time period or number of operating hours as specified. Included In 5E Series Tractor and Compact Utility Tractor Powertrain Warranty- Engine: cylinder block, cylinder head, valve covers, oil pan, emissions control components, timing gear covers, flywheel housing, and all parts contained therein. Powertrain: transmission, transmission case, differential and axle housings, clutch housings, MFWD front axle assembly, and all parts contained therein (does not include external drivelines, dry clutch parts, or steering cylinders). SWEEPS, SHOVELS, PLOWSHARES, AND DISK BLADES: A replacement part will be furnished without charge if breakage occurs and the amount of wear is less than the wear limits established by the Manufacturer.

B. ITEMS COVERED SEPARATELY- (1) Tires, rubber tracks and batteries; When applicable, a separate emissions warranty statement will be provided by Selling Dealer.

Trade-In: Jefferson County will be trading in a used and **flood-damaged** Ford 5000 Tractor towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 5: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Page 51).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 5: Utility Tractor TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write “N/A” in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 52).

Bid Item 5: Utility Tractor TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ 12F/12R PowrReverser Transmission – 540/540E (PR)
- ☒ 540 economy PTO
- ☒ Less Loader Prep Package
- ☒ Open Operator Station
- ☒ Dual Mid Valves with Joystick Control
- ☒ 16.9 – 28 in. 6PR R1 Bias
- ☒ Mechanical Front Wheel Drive (MFWD)
- ☒ 9.5 – 24 in. 6PR R1 Bias
- ☐ Engine: John Deere PowerTech 3029
- ☒ Engine – Aspiration: Turbocharged
- ☐ Engine – Cylinders liners: Wet sleeved
- ☐ Engine – Displacement: 3 cylinders: 2.9 L, 179 cu. in.
- ☒ Engine Performance – Rated Power: At 2100 rpm: 49.9 kW, 67 hp
- ☒ Engine Performance – Rated PTO power (hp SAE): At 2100 rpm: 36.5 kw, 49 PTO hp
- ☒ Final Tier 4-compliant PowerTech engine; provides improved visibility – a smaller, more efficient after-treatment device provides more space under the hood.
- ☒ Diesel oxidation catalyst (DOC/diesel particulate filter (DPF) system.
- ☒ Exhaust filter cleaning switch
- ☒ Hand throttle: located on the right-hand console

Bid Item 5: Utility Tractor
BIDDER ALTERNATIVE FEATURES OFFERED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

Kubota V3307-CR-TE4

ENGINE HP 71

PTO HP 64

4-CYLINDER

Bidder Information Form

Instructions: Complete the form below. Please provide legible, accurate, and complete contact information. PLEASE PRINT.

Bid Name & Number: (IFB 18-013/JW),
Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

Bidder's Company/Business Name: BEAUMONT TRACTOR Co.

Bidder's TAX ID Number: 76-0452736

Contact Person: KYLE LEE **Title:** GOVERNMENT SALES

Phone Number (with area code): 409-866-3360

Alternate Phone Number if available (with area code): 409-790-5348

Fax Number (with area code): 409-866-5884

Email Address: KYLE@BEAUMONTTRACTOR.COM

Mailing Address (Please provide a physical address for bid bond return, if applicable):

4430 COLLEGE ST.

BEAUMONT, TX 77707

City, State, Zip Code

OFFER AND ACCEPTANCE FORM OFFER TO CONTRACT

Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

To Jefferson County:

We hereby offer and agree to furnish the materials or service in compliance with all terms, conditions, specifications, and amendments in the Invitation for Bid and any written exceptions in the offer. We understand that the items in this Invitation for Bid, including, but not limited to, all required certificates are fully incorporated herein as a material and necessary part of the contract.

The undersigned hereby states, under penalty of perjury, that all information provided is true, accurate, and complete, and states that he/she has the authority to submit this bid, which will result in a binding contract if accepted by Jefferson County.

We acknowledge receipt of the following amendment(s): 1, 2, _____, _____.

I certify, under penalty of perjury, that I have the legal authorization to bind the firm hereunder:

BEAUMONT TRACTOR Co.
Company Name

4430 COLLEGE ST.
Address

BEAUMONT TX. 77707
City State Zip

Kyle Lee
Signature of Person Authorized to Sign

KYLE LEE
Printed Name

GOVERNMENT SALES
Title

For clarification of this offer, contact:

KYLE LEE
Name

409-866-3360 409-866-5884
Phone Fax

KYLE@BEAUMONTTRACTOR.COM
E-mail

Bidder Shall Return Completed Form with Offer.

Acceptance of Offer

HEAVY EQUIPMENT FOR JEFFERSON COUNTY PRECINCT NO. 3 (TO REPLACE UNREPAIRABLE EQUIPMENT DAMAGED BY HURRICANE HARVEY)

The Contractor is now bound to sell the materials or services listed by the attached contract and based upon the Invitation for Bid, including all terms, conditions, specifications, amendments, etc., and the Contractor's Offer as accepted by Jefferson County.

This contract shall henceforth be referred to as Contract No. 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey). The Contractor has not been authorized to commence any billable work or to provide any material or service under this contract until Contractor receives a purchase order and/or a notice to proceed from the Jefferson County Purchasing Agent.

Countersigned:

Jeff R. Branick
County Judge

Date

Attest:

Carolyn L. Guidry
County Clerk

Bidder Shall Return Completed Form with Offer.

Bid Form

Bid Item 1 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX A**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 1: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 22-36).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
1	Mustang CAT Model 120M2 Motor Grader or Equivalent	\$ <u>No Bid</u> . ____
		Trade-In Value
Trade-In Value for used & flood-damaged: 1998 Champion Motor Grader Model 710 A		\$ _____ . ____
Total Bid Price (Minus Trade-In Value) \$ _____ . ____		
Projected Delivery Lead Time from Date of Purchase:		_____ weeks
Equivalent Item Description (Make & Model) for Item No. 1: _____		

Bid Form

Bid Item 2 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX B**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 2: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 39-40).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
2	BOMAG Model BW11RH-5 Pneumatic Roller or Equivalent	\$ <u>No Bid</u> . ____
		Trade-In Value
Trade-In Value for used & flood-damaged: Dynapac CP142 (SN: 1000-500C0B000882)		\$ _____ . ____
Total Bid Price (Minus Trade-In Value) \$ _____ . ____		
Projected Delivery Lead Time from Date of Purchase:		_____ weeks
Equivalent Item Description (Make & Model) for Item No. 2: _____		

Bid Form

Bid Item 3 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX C**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 3: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 43-44).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
3	BOMAG Model BW161AD-5 Vibratory Tandem Roller or Equivalent	\$ <u>No Bid</u> . ____
		Trade-In Value
Trade-In Value for used & flood-damaged: CAT CB534-C (SN: 5HN00552)		\$ _____ . ____
Total Bid Price (Minus Trade-In Value) \$ _____ . ____		
Projected Delivery Lead Time from Date of Purchase:		_____ weeks
Equivalent Item Description (Make & Model) for Item No. 3: _____		

Bid Form

Bid Item 4 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX D**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 4: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 47-48).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
4	BOMAG Model BW211PD-5 84" Single Drum Padfoot Roller or Equivalent	\$ <u>No Bid</u> . ____
		Trade-In Value
Trade-In Value for used & flood-damaged: BOMAG BW213DH-40 (SN: 901582561088)		\$ _____ . ____
Total Bid Price (Minus Trade-In Value) \$ _____ . ____		
Projected Delivery Lead Time from Date of Purchase:		_____ weeks
Equivalent Item Description (Make & Model) for Item No. 4: _____		

Bid Form (Continued)

Bid Item 5: IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX E**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 5: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Page 51).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
5	John Deere 5065E Utility Tractor OOS 4WD or Equivalent	\$ <u>30,200</u> . <u>00</u>
		Trade-In Value
Trade-In Value for used & flood-damaged: Ford 5000 Tractor		\$ <u>1500</u> . <u>00</u>
Total Bid Price (Minus Trade-In Value) \$ <u>28,700</u> . <u>00</u>		
Projected Delivery Lead Time from Date of Purchase:		<u>3</u> weeks
Equivalent Item Description (Make & Model) for Item No. 5: <u>Kubota M7060 HD 12</u>		

Bid Form – Acknowledgement of Addenda

Acknowledgment of Addenda (if any):Addendum 1 ✓ Date Received 6/7/18Addendum 2 ✓ Date Received 6/14/18Addendum 3 Date Received

Bidder Shall Return Completed Form with Offer.

Signature Page

As permitted under Article 4413 (32c) V.A.C.S., other governmental entities may wish to participate under the same terms and conditions contained in this contract (i.e., piggyback). In the event any other entity participates, all purchase orders will be issued directly from and shipped directly to the entity requiring supplies/services. Jefferson County shall not be held responsible for any orders placed, deliveries made or payment for supplies/services ordered by another entity. Each entity reserves the right to determine their participation in this contract.

Would bidder be willing to allow other governmental entities to piggyback off this contract, if awarded, under the same terms and conditions?..... Yes ☒ No ☐

This bid shall remain in effect for ninety (90) days from bid opening and shall be exclusive of federal excise and state and local sales tax (exempt).

The undersigned agrees, if this bid is accepted, to furnish any and all items upon which prices are offered, at the price and upon the terms and conditions contained in the Invitation for Bid, Conditions of Bidding, Terms of Contract, and Specifications and all other items made a part of the accepted contract.

The undersigned affirms that they are duly authorized to execute the contract, that this company, corporation, firm, partnership or individual has not prepared this bid in collusion with any other bidder, and that the contents of this bid as to prices, terms or conditions of said bid have not been communicated by the undersigned nor by any employee or agent to any other bidder or to any other person(s) engaged in this type of business prior to the official opening of this bid. And further, that neither the bidder nor their employees nor agents have been for the past six (6) months directly nor indirectly concerned in any pool or agreement or combination to control the price of goods or services on, nor to influence any person to bid or not to bid thereon.

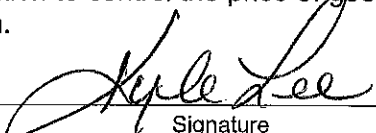
BEAUMONT TRACTOR CO.
Bidder (Entity Name)

4430 COLLEGE ST.
Street & Mailing Address

BEAUMONT, TX. 77707
City, State & Zip

409-866-3360
Telephone Number

KYLE@BEAUMONTTRACTOR.COM
E-mail Address


Signature

KYLE LEE
Print Name

Date Signed

409-866-5884
Fax Number

Bidder Shall Return Completed Form with Offer.

Conflict of Interest Questionnaire

CONFLICT OF INTEREST QUESTIONNAIRE For vendor doing business with local governmental entity		FORM CIQ
<p>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</p> <p>This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).</p> <p>By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.</p> <p>A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.</p>	<div style="border: 1px solid black; padding: 2px; text-align: center; font-weight: bold;">OFFICE USE ONLY</div> <div style="border: 1px solid black; height: 100px; margin-top: 5px;"></div>	
<div style="border: 1px solid black; padding: 2px;"> 1 Name of vendor who has a business relationship with local governmental entity. <div style="text-align: center; font-family: cursive; font-size: 1.2em; margin-top: 10px;">BEAUMONT TRACTOR Co.</div> </div>		
<div style="border: 1px solid black; padding: 2px;"> 2 <input type="checkbox"/> Check this box if you are filing an update to a previously filed questionnaire. <div style="font-size: 0.8em; margin-top: 5px;">(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)</div> </div>		
<div style="border: 1px solid black; padding: 2px;"> 3 Name of local government officer about whom the information in this section is being disclosed. <div style="text-align: center; margin-top: 10px;"> <hr style="width: 50%; border: 0; border-top: 1px solid black;"/> Name of Officer </div> <p style="font-size: 0.8em; margin-top: 10px;">This section (Item 3 including subparts A, B, C, & D) must be completed for each officer with whom the vendor has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach additional pages to this Form CIQ as necessary.</p> <p>A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the vendor?</p> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> <p>B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer named in this section AND the taxable income is not received from the local governmental entity?</p> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> <p>C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more?</p> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> <p>D. Describe each employment or business and family relationship with the local government officer named in this section.</p> </div>		
<div style="border: 1px solid black; padding: 2px;"> 4 <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;"> Signature of vendor doing business with the governmental entity </div> <div style="text-align: center;"> <hr style="width: 100px; border: 0; border-top: 1px solid black;"/> Date </div> </div> </div>		

Bidder Shall Return Completed Form with Offer.

Adopted 8/7/2015

Local Government Officer Conflicts Disclosure Statement - OFFICE USE ONLY

LOCAL GOVERNMENT OFFICER CONFLICTS DISCLOSURE STATEMENT		FORM CIS
<p>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</p> <p>This is the notice to the appropriate local governmental entity that the following local government officer has become aware of facts that require the officer to file this statement in accordance with Chapter 178, Local Government Code.</p>		OFFICE USE ONLY
1	Name of Local Government Officer	Date Received
2	Office Held	
3	Name of vendor described by Sections 176.001(7) and 176.003(a), Local Government Code	
4	Description of the nature and extent of employment or other business relationship with vendor named in Item 3	
5	<p>List gifts accepted by the local government officer and any family member, if aggregate value of the gifts accepted from vendor named in Item 3 exceeds \$100 during the 12-month period described by Section 176.003(a)(2)(B).</p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p style="text-align: center;">(attach additional forms as necessary)</p>	
6	<p>AFFIDAVIT</p> <p style="text-align: center;">I swear under penalty of perjury that the above statement is true and correct. I acknowledge that the disclosure applies to each family member (as defined by Section 176.001(2), Local Government Code) of this local government officer. I also acknowledge that this statement covers the 12-month period described by Section 176.003(a)(2)(B), Local Government Code.</p> <p style="text-align: right; margin-right: 100px;">_____ Signature of Local Government Officer</p> <p>AFFIX NOTARY STAMP / SEAL ABOVE</p> <p>Sworn to and subscribed before me, by the said _____, this the _____ day of _____, 20_____, to certify which, witness my hand and seal of office.</p> <p style="margin-top: 20px;"> _____ Signature of officer administering oath _____ Printed name of officer administering oath _____ Title of officer administering oath </p>	

Adopted 8/7/2015

Good Faith Effort (GFE) Determination Checklist

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).

☐ Yes ☒ No

Instructions: In order to determine if a "Good Faith Effort" was made in soliciting HUBs for subcontracting opportunities, the following checklist and supporting documentation shall be completed by the Prime Contractor/Consultant, and returned with the Prime Contractor/ Consultant's bid. This list contains the **minimum** efforts that should be put forth by the Prime Contractor/Consultant when attempting to achieve or exceed the goals of HUB Subcontractor participation. The Prime Contractor/Consultant may extend his/her efforts in soliciting HUB Subcontractor participation beyond what is listed below.

Did the Prime Contractor/Consultant . . .

- | | | |
|------------------------------|--|---|
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 1. To the extent practical, and consistent with standard and prudent industry standards, divide the contract work into the smallest feasible portions, to allow for maximum HUB Subcontractor participation? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 2. Notify in writing a reasonable number of HUBs, allowing sufficient time for effective participation of the planned work to be subcontracted? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 3. Provide HUBs that were genuinely interested in bidding on a subcontractor, adequate information regarding the project (i.e., plans, specifications, scope of work, bonding and insurance requirements, and a point of contact within the Prime Contractor/Consultant's organization)? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 4. Negotiate in good faith with interested HUBs, and not reject bids from HUBs that qualify as lowest and responsive bidders? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 5. Document reasons HUBs were rejected? Was a written rejection notice, including the reason for rejection, provided to the rejected HUBs? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 6. If Prime Contractor/Consultant has zero (0) HUB participation, please explain the reasons why. |

If "No" was selected, please explain and include any pertinent documentation with your bid.

If necessary, please use a separate sheet to answer the above questions.

Kyle Lee

Printed Name of Authorized Representative

Kyle Lee

Signature

GOVERNMENT SALES

Title

Date

Bidder Shall Return Completed Form with Offer.

Notice of Intent (NOI) to Subcontract with Historically Underutilized Business (HUB)

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).
☐ Yes ☒ No

Instructions for Prime Contractor/Consultant: Bidder shall submit this form with the bid; however, the information below may be submitted after contract award, but prior to beginning performance on the contract. Please submit one form for each HUB Subcontractor/Subconsultant with proper signatures, per the terms and conditions of your contract.

Contractor Name: DEALMONT TRACTOR CO. HUB: p Yes ☒ p No ☐

Address: 4430 COLLEGE ST. DEALMONT TX. 77707
Street City State Zip

Phone (with area code): 409-866-3360 Fax (with area code): 409-866-5884

Project Title & No.: _____

Prime Contract Amount: \$ _____

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity):

Certifying Agency: ☐ Tx. Bldg & Procurement Comm. ☐ Jefferson County ☐ Tx Unified Certification Prog.

Address: _____

Street	City	State	Zip
--------	------	-------	-----

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: %

Description of Subcontract Work to be Performed: _____

Kyle Lee Printed Name of Contractor Representative

Kyle Lee Signature of Representative

_____ Date

Printed Name of HUB	Signature of Representative	Date
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NOTE: NOTHING ON THIS NOTICE OF INTENT FORM IS INTENDED TO CONFER ANY RIGHTS, EXPRESSED OR IMPLIED, TO ANY THIRD PARTIES.

Pre-Approval for Subcontractor Substitutions must be obtained from the Jefferson County Purchasing Agent's Representative. The "HUB Subcontractor/Subconsultant Change Form" must be completed and faxed to 409-835-8456.

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 1 OF 4

This information must be submitted with your bid.

Bidder ~~intends~~ to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).

☐ Yes ☒ No

Prime Contractor: _____ HUB: ☐ Yes ☐ No

HUB Status (Gender & Ethnicity): _____

Address: _____

Street	City	State	Zip

Phone (with area code): _____ Fax (with area code): _____

Project Title & No.: _____ IFB/RFP No.: _____

Total Contract: \$ Total HUB Subcontract(s): \$

Construction HUB Goals: 12.8% MBE:: % 12.6% WBE: %

Sub-goals: 1.7 African-American, 9.7% Hispanic, 0.7% Native American, 0.8% Asian American.
Use these goals as a guide to diversify.

FOR HUB OFFICE USE ONLY:

Verification date HUB Program Office reviewed and verified HUB Sub information Date: _____ Initials: _____

PART I. HUB SUBCONTRACTOR DISCLOSURE

HUB Subcontractor Name:

HUB Status (Gender & Ethnicity):

Certifying Agency: ☐ Texas Bldg & Procurement Comm. ☐ Texas Unified Certification Prog.

Address: _____

Street	City	State	Zip
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Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount:	\$	Percentage of Prime Contract:	%
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Description of Subcontract Work to be Performed: _____

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 2 OF 4

HUB SUBCONTRACTOR DISCLOSURE

PART I: Continuation Sheet

(Duplicate as Needed)

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity): _____

Certifying Agency: ☐ Tx. Bldg & Procurement Comm. ☐ Jefferson County ☐ Tx Unified Certification Prog.

Address: _____

Street	City	State	Zip
--------	------	-------	-----

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: % _____

Description of Subcontract Work to be Performed:

HUB Subcontractor Name:

HUB Status (Gender & Ethnicity): _____

Certifying Agency: ☐ Tx. Bldg & Procurement Comm. ☐ Jefferson County ☐ Tx Unified Certification Prog.

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: %

Description of Subcontract Work to be Performed:

All HUB Subcontractor Participation may be verified with the HUB Subcontractor(s) listed on Part I.

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 3 OF 4

PART II: STATEMENT OF NON-COMPLIANCE FOR NOT MEETING HUB SUBCONTRACTING GOALS

Please complete Good Faith Effort (GFE) Checklist and attach any supporting documentation.

Our firm was unable to meet the HUB goals for this project for the following reasons:

- ☐ All subcontractors to be utilized are "Non-HUBs." (*Complete Part III*)
☐ HUBs were solicited but did not respond.
☐ HUBs solicited were not competitive.
☐ HUBs were unavailable for the following trade(s):
☐ Other:

Was the Jefferson County HUB Office contacted for assistance in locating HUBs? ☐ Yes ☐ No

PART III: DISCLOSURE OF OTHER "NON-HUB" SUBCONTRACTS

The bidder shall use this area to provide a listing of all "Non-HUB" Subcontractors, including suppliers, that will perform under this project. A list of those "Non-HUB" Subcontractors the bidder selects, after bid submission, shall be provided to the Purchasing Office not later than five (5) calendar days after being notified that bidder is the apparent low bidder. A list of those "Non-HUB" Subcontractors that are selected after contract award must be provided **immediately** after their selection.

Subcontractor Name: _____

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: %

Description of Subcontract Work to be Performed:

Subcontractor Name: _____

Address: _____

Street	City	State	Zip
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Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ Percentage of Prime Contract: %

Description of Subcontract Work to be Performed:

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 4 OF 4

Subcontractor Name: _____

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: %

Description of Subcontract Work to be Performed: _____

Subcontractor Name: _____

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount:	\$	Percentage of Prime Contract:	%
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Description of Subcontract Work to be Performed: _____

I hereby certify that I have read the *HUB Program Instructions and Information*, truthfully completed all applicable parts of this form, and **attached any necessary support documentation as required**. I fully understand that intentionally falsifying information on this document may result in my not receiving a contract award or termination of any resulting contract.

Name (print or type): KYLE COE

Title: GOVERNMENT SALES

Signature:

Date: 6/18/18

E-mail address: KYLE@PEALEMOUNTTRACTOR.COM

Contact person that will be in charge of invoicing for this project:

Name (print or type): PAULA ADAMS

Title: Accounts Rec.

Date: 6/18/18

E-mail address: Accounting@BEAUMONTTRACTOR.com

Bidder Shall Return Completed Form with Offer.

Residence Certification/Tax Form

Pursuant to Texas Government Code §2252.001 *et seq.*, as amended, Jefferson County requests Resident Certification. §2252.001 *et seq.* of the Government Code provides some restrictions on the awarding of governmental contracts; pertinent provisions of §2252.001 are stated below:

- (3) "Nonresident bidder" refers to a person who is not a resident.
- (4) "Resident bidder" refers to a person whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.
- ☒ I certify that BEAUMONT TRACTOR CO. [company name] is a Resident Bidder of Texas as defined in Government Code §2252.001.
- ☐ I certify that _____ [company name] is a Nonresident Bidder as defined in Government Code §2252.001 and our principal place of business is _____ (city and state).

Taxpayer Identification Number (T.I.N.):	76-0452736
Company Name submitting bid/proposal:	BEAUMONT TRACTOR CO.
Mailing address:	4430 COLLEGE ST. BEAUMONT, TX. 77707
If you are an individual, list the names and addresses of any partnership of which you are a general partner:	

Property: List all taxable property owned by you or above partnerships in Jefferson County.

Jefferson County Tax Acct. No.*	Property address or location**

* This is the property amount identification number assigned by the Jefferson County Appraisal District.

** For real property, specify the property address or legal description. For business property, specify the address where the property is located. For example, office equipment will normally be at your office, but inventory may be stored as a warehouse or other location.

Bidder Shall Return Completed Form with Offer.

Bid Affidavit

The undersigned certifies that the bid prices contained in this bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all commodities upon which prices are extended at the price offered, and upon the conditions contained in the specifications and the Notice to Bidders.

STATE OF TEXAS COUNTY OF JEFFERSON

BEFORE ME, the undersigned authority, a Notary Public in and for the State of _____,
on this day personally appeared KYLE LEE, who
(name)
after being by me duly sworn, did depose and say:

"I, KYLE LEE am a duly authorized officer of/agent
(name)
for BEAUMONT TRACTOR Co. and have been duly authorized to execute the
(name of firm)
foregoing on behalf of the said BEAUMONT TRACTOR Co.
(name of firm)

I hereby certify that the foregoing bid has not been prepared in collusion with any other bidder or other person or persons engaged in the same line of business prior to the official opening of this bid. Further, I certify that the bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities bid on, or to influence any person or persons to bid or not to bid thereon."

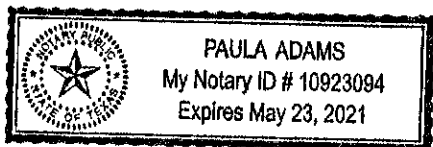
Name and address of bidder: BEAUMONT TRACTOR Co.
4430 COLLEGE ST.

Fax: 409-866-5884 Telephone# 409-866-3360
by: KYLE LEE Title: _____
(print name)

Signature: Kyle Lee

SUBSCRIBED AND SWORN to before me by the above-named KYLE LEE on

this the 18 day of June, 2018.



Paula Adams
Notary Public in and for
the State of Texas

Bidder Shall Return Completed Form with Offer.



JEFFERSON COUNTY, TEXAS

PURCHASING DEPARTMENT

1149 Pearl Street – First Floor
Beaumont, Texas 77701
409-835-8593 phone

ADDENDUM TO IFB

IFB Number: IFB 18-013/JW

IFB Title: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

IFB Due: 11:00 am CDT, Tuesday, June 19, 2018

Addendum No.: 1

Issued (Date): June 7, 2018

TO BIDDER: This Addendum is an integral part of the IFB package under consideration by you as a Bidder in connection with the subject matter herein identified. Jefferson County deems all sealed proposals to have been proffered in recognition and consideration of the entire IFB package – **including all addenda**. For purposes of clarification, **receipt of this present Addendum by a Bidder should be evidenced by returning it (signed) as part of the Bidder's sealed proposal**. If the Proposal has already been received by the Jefferson County Purchasing Department, Bidder should return this addendum in a separate sealed envelope, clearly marked with the IFB Title, IFB Number, and Opening Date and Time, as stated above.

Reason for Issuance of this addendum: Revisions to Page 39 of Bid Specifications

The information included herein is hereby incorporated into the documents of this present Bid matter and supersedes any conflicting documents or portion thereof previously issued.

Receipt of this Addendum is hereby acknowledged by the undersigned Bidder:

ATTEST:

Witness

Witness

Approved by _____ Date: _____

Lyndee Lee
Authorized Signature (Bidder)

GOVERNMENT SALES
Title of Person Signing Above

BEAUMONT TRACTOR CO.
Typed Name of Business or Individual

4430 COLLEGE ST. BEAUMONT, TX 77701
Address



**JEFFERSON COUNTY, TEXAS
PURCHASING DEPARTMENT**

1149 Pearl Street – First Floor
Beaumont, Texas 77701
409-835-8593 phone

ADDENDUM TO IFB

IFB Number: IFB 18-013/JW

IFB Title: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

IFB Due: 11:00 am CDT, Tuesday, June 19, 2018

Addendum No.: 2

Issued (Date): June 14, 2018

TO BIDDER: This Addendum is an integral part of the IFB package under consideration by you as a Bidder in connection with the subject matter herein identified. Jefferson County deems all sealed proposals to have been proffered in recognition and consideration of the entire IFB package – **including all addenda**. For purposes of clarification, **receipt of this present Addendum by a Bidder should be evidenced by returning it (signed) as part of the Bidder's sealed proposal.** If the Proposal has already been received by the Jefferson County Purchasing Department, Bidder should return this addendum in a separate sealed envelope, clearly marked with the IFB Title, IFB Number, and Opening Date and Time, as stated above.

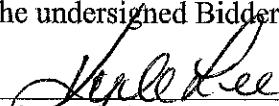
Reason for Issuance of this addendum: Revision to Bid Specifications for Bid Item No. 3

Revision: The Tango Oscillation Feature SHOULD NOT be included on this piece of equipment. Any reference to this feature within the bid specifications for this bid item (including Appendix C) should be disregarded. Do not include this feature in bid price.

The information included herein is hereby incorporated into the documents of this present Bid matter and supersedes any conflicting documents or portion thereof previously issued.

Receipt of this Addendum is hereby acknowledged by the undersigned Bidder:

ATTEST:


Authorized Signature (Bidder)

Witness

GOVERNMENT SALES
Title of Person Signing Above

Witness

BEAUMONT TRACTOR CO.
Typed Name of Business or Individual

Approved by _____ Date: _____

4430 COLLEGE ST. BEAUMONT, TX 77707
Address

Warranty Coverage effective on units sold as of 1/1/2017 (Please check on-line at www.Kubota.com for update coverage)

Product Series	Usage Category	Unit / System Coverage	Coverage Period	Exclusion / Comments
BX, B, Basic Standard L & Grand L Tractors	Non-Commercial Home & Residential use	Basic Standard Limited	24 Months or 1500 Hours (whichever occurs first)	(does not include any implement, or loader/landscape utility tractors B26, L30, L45 and L47 see below)
		Limited Powertrain Warranty	72 Months or 2000 Hours (whichever occurs first)	
	Commercial use	Basic Standard Limited	24 Months or 1500 Hours (whichever occurs first)	
		Limited Powertrain Warranty	36 Months or 2000 Hours (whichever occurs first)	
Loader/Landscaper Utility Tractors (B26, L30, L45, L47, M59, etc.)	All Usage	Basic Standard Limited	12 Months or 1500 Hours (whichever occurs first)	(does not include loader/backhoe, see implement warranty below)
		Limited Powertrain Warranty	24 months or 1500 Hours (whichever occurs first)	
BX24, BX26 Utility Tractors	Non-Commercial Home & Residential use	Basic Standard Limited	24 Months or 1500 Hours (whichever occurs first)	(except loader, backhoe, and mower deck, see implement warranty below)
		Limited Powertrain Warranty	72 Months or 2000 Hours (whichever occurs first)	
	Commercial Use	Basic Standard Limited	12 Months or 1500 Hours (whichever occurs first)	
		Limited Powertrain Warranty	24 Months or 2000 Hours (whichever occurs first)	
MX Tractors	Non-Commercial Home & Residential use	Basic Standard Limited	24 Months or 2000 Hours (whichever occurs first)	
		Limited Powertrain Warranty	72 Months or 3000 Hours (whichever occurs first)	
	Commercial Use	Basic Standard Limited	24 Months or 2000 Hours (whichever occurs first)	
		Limited Powertrain Warranty	36 Months or 3000 Hours (whichever occurs first)	
M Series Tractors	All Usage	Basic Standard Limited	24 Months or 2000 Hours (whichever occurs first)	PowerCrawler tracks - 12 months or 1000 hours, (whichever occurs first) (does not include any implements, see implement warranty below)
		Limited Powertrain Warranty	36 months or 3000 Hours (whichever occurs first)	
M11 Series Tractors (M7)	All Usage	Basic Standard Limited	24 Months or 2000 Hours (whichever occurs first)	
		Limited Powertrain Warranty	36 months or 3000 Hours (whichever occurs first)	
W Series Walk Behind Mower	All Usage	Basic Standard Limited	24 Months	

Z, F series Tractors (including mower deck)	All Usage	Basic Standard Limited	24 Months	Except Z700, Z400, Z100 (see below)
Z700 Series (including mower deck)	Non-Commercial Home & Residential use	Basic Standard Limited	48 Months or 750 Hours (whichever occurs first) Kawasaki Engine* (only ~ 36 months)	*Kawasaki engine warranty administered by Kawasaki, refer to Kawasaki warranty for detail
	Commercial Use	Basic Standard Limited	24 Months	
Z400, Series (including mower deck)	Non-Commercial Home & Residential use	Basic Standard Limited	48 Months or 500 Hours (whichever occurs first) Kawasaki Engine* (only ~ 36 months)	*Kawasaki engine warranty administered by Kawasaki, refer to Kawasaki warranty for detail
	Commercial Use	Basic Standard Limited	24 Months	
Commander ZG100, Z100 series (including mower deck)	All Usage	Basic Standard Limited	48 Months or 300 Hours (whichever occurs first)*	*Kawasaki engine warranty administered by Kawasaki, refer to Kawasaki warranty for detail
G, GR, T series Tractors (including mower deck)	Non-Commercial Home & Residential use	Basic Standard Limited	24 Months or 1500 Hours (whichever occurs first)	
	Commercial Use	Basic Standard Limited	12 Months or 1500 Hours (whichever occurs first)	
SSV Skid Steer Loaders	All Usage	Basic Standard Limited	24 Months or 2000 Hours (whichever occurs first)	
SVL Compact Track Loaders	All Usage	Basic Standard Limited	24 Months or 2000 Hours (whichever occurs first)	Rubber tracks - 12 months or 1000 hours (whichever occurs first)
K, KX, U, R series Excavator and Wheel Loaders	All Usage	Basic Standard Limited	24 Months or 2000 Hours (whichever occurs first)	Rubber tracks - 12 months or 1000 hours (whichever occurs first)
RTV Utility Vehicles	All Usage	Basic Standard Limited	12 Months	
Implements and Attachments (loaders, backhoes, mower decks, etc.)	All Usage	Basic Standard Limited	12 Months	(Snow blowers, Rotary Brooms, and Blades 24 months) †
Hay Tools (disc mowers, rakes, balers, etc.) and Spreaders	All Usage	Basic Standard Limited	12 Months	(Disc mower/conditioner cutterbar and gearbox - 24 months)
Replacement Diesel Engines	All Usage	Basic Standard Limited	12 Months	(or remainder of unit warranty, whichever is longer)
Replacement Parts	All Usage	Basic Standard Limited	90 Days	(or remainder of unit warranty, whichever is longer)

Emissions Warranty: Designated units are covered by emissions warranty on certain components. ... See page 10 - 43 for details.
† For a complete list of 24-month warranty on implements, see www.Kubota.com

Warranty Coverage effective on units sold as of 1/1/2017 (Please check on-line at www.Kubota.com for update coverage)

Product Series	Usage Category	Unit / System Coverage	Coverage Period	Exclusion / Comments
BX, B, Basic Standard L & Grand L Tractors	Non-Commercial Home & Residential use	Basic Standard Limited	24 Months or 1500 Hours (whichever occurs first)	(does not include any implement, or loader/landscape utility tractors B26, L39, L45 and L47 see below)
		Limited Powertrain Warranty	72 Months or 2000 Hours (whichever occurs first)	
	Commercial use	Basic Standard Limited	24 Months or 1500 Hours (whichever occurs first)	
		Limited Powertrain Warranty	36 Months or 2000 Hours (whichever occurs first)	
Loader/Landscaper Utility Tractors (B26, L39, L45, L47, M69, etc.)	All Usage	Basic Standard Limited	12 Months or 1500 Hours (whichever occurs first)	(does not include loader/backhoes, see implement warranty below)
		Limited Powertrain Warranty	24 months or 1500 Hours (whichever occurs first)	
BX24, BX26 Utility Tractors	Non-Commercial Home & Residential use	Basic Standard Limited	24 Months or 1500 Hours (whichever occurs first)	(except loader, backhoe, and mower deck, see implement warranty below)
		Limited Powertrain Warranty	72 Months or 2000 Hours (whichever occurs first)	
	Commercial Use	Basic Standard Limited	12 Months or 1500 Hours (whichever occurs first)	
		Limited Powertrain Warranty	36 Months or 2000 Hours (whichever occurs first)	
MX Tractors	Non-Commercial Home & Residential use	Basic Standard Limited	24 Months or 2000 Hours (whichever occurs first)	
		Limited Powertrain Warranty	72 Months or 3000 Hours (whichever occurs first)	
	Commercial Use	Basic Standard Limited	24 Months or 2000 Hours (whichever occurs first)	
		Limited Powertrain Warranty	36 Months or 3000 Hours (whichever occurs first)	
M Series Tractors	All Usage	Basic Standard Limited	24 Months or 2000 Hours (whichever occurs first)	PowerKrawler tracks - 12 months or 1000 hours, (whichever occurs first) (does not include any implements, see implement warranty below)
		Limited Powertrain Warranty	36 months or 3000 Hours (whichever occurs first)	
MH Series Tractors (M7)	All Usage	Basic Standard Limited	24 Months or 2000 Hours (whichever occurs first)	
		Limited Powertrain Warranty	36 months or 3000 Hours (whichever occurs first)	
W Series Walk Behind Mower	All Usage	Basic Standard Limited	24 Months	

Z, F series Tractors (including mower deck)	All Usage	Basic Standard Limited	24 Months	Except Z700, Z400, Z100 (see below)
Z700 Series (including mower deck)	Non-Commercial Home & Residential use	Basic Standard Limited	48 Months or 750 Hours (whichever occurs first) Kawasaki Engine* (only - 36 months)	*Kawasaki engine warranty administered by Kawasaki, refer to Kawasaki warranty for detail
	Commercial Use	Basic Standard Limited	24 Months	
Z400, Series (including mower deck)	Non-Commercial Home & Residential use	Basic Standard Limited	48 Months or 500 Hours (whichever occurs first) Kawasaki Engine* (only - 36 months)	*Kawasaki engine warranty administered by Kawasaki, refer to Kawasaki warranty for detail
	Commercial Use	Basic Standard Limited	24 Months	
Kommander ZG100, Z100 series (including mower deck)	All Usage	Basic Standard Limited	48 Months or 300 Hours (whichever occurs first)*	*Kawasaki engine warranty administered by Kawasaki, refer to Kawasaki warranty for detail
G, GR, T series Tractors (including mower deck)	Non-Commercial Home & Residential use	Basic Standard Limited	24 Months or 1500 Hours (whichever occurs first)	
	Commercial Use	Basic Standard Limited	12 Months or 1500 Hours (whichever occurs first)	
SSV Skid Steer Loaders	All Usage	Basic Standard Limited	24 Months or 2000 Hours (whichever occurs first)	
SVL Compact Track Loaders	All Usage	Basic Standard Limited	24 Months or 2000 Hours (whichever occurs first)	Rubber tracks - 12 months or 1000 hours (whichever occurs first)
K, KX, U, R series Excavator and Wheel Loaders	All Usage	Basic Standard Limited	24 Months or 2000 Hours (whichever occurs first)	Rubber tracks - 12 months or 1000 hours (whichever occurs first)
RTV Utility Vehicles	All Usage	Basic Standard Limited	12 Months	
Implements and Attachments (loaders, backhoes, mower decks, etc.)	All Usage	Basic Standard Limited	12 Months	(Snow blowers, Rotary Brooms, and blades 24 months) †
Hay Tools (disc mowers, rakes, balers, etc.) and Spreaders	All Usage	Basic Standard Limited	12 Months	(Disc mower/conditioner cutterbar and gearbox - 24 months)
Replacement Diesel Engines	All Usage	Basic Standard Limited	12 Months	(or remainder of unit warranty, whichever is longer)
Replacement Parts	All Usage	Basic Standard Limited	90 Days	(or remainder of unit warranty, whichever is longer)

Emissions Warranty: Designated units are covered by emissions warranty on certain components. ... See page 10 - 48 for details.
† For a complete list of 24-month warranty on implements, see www.Kubota.com

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

**OFFICE USE ONLY
CERTIFICATION OF FILING**

Certificate Number:
2018-332379

Date Filed:
03/30/2018

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Beaumont Tractor Co
Beaumont, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Jefferson County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

070252
Tractor with side mower

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary

5 Check only if there is NO Interested Party.

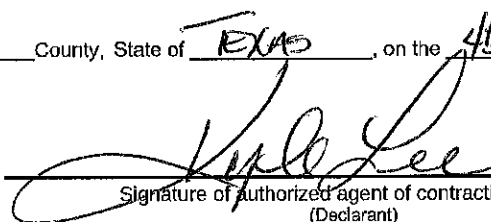

6 UNSWORN DECLARATION

My name is Kyle Lee, and my date of birth is 1/23/1967.

My address is 4430 College St. BEAUMONT, TX 77707.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Jefferson County, State of TEXAS, on the 4th day of April, 2018.
(month) (year)


Signature of authorized agent of contracting business entity
(Declarant)



Dear Policyholder,

Thank you for choosing Federated Insurance to handle your insurance and risk management needs. The attached certificate document(s) have been issued or updated.

Please feel free to contact us with any additional changes, additions or deletions that may be needed by contacting the Federated Client Contact Center at:

Phone: 1-888-333-4949

Fax: 507-446-4664

E-mail: clientcontactcenter@fedins.com

Thank you for your business!

Client Contact Center

Enclosed:

Certificate Document(s)



CERTIFICATE OF LIABILITY INSURANCE

 DATE (MM/DD/YYYY)
04/27/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER FEDERATED MUTUAL INSURANCE COMPANY HOME OFFICE: P.O. BOX 328 OWATONNA, MN 55060	CONTACT NAME: CLIENT CONTACT CENTER PHONE (A/C, No, Ext): 888-333-4949 FAX (A/C, No): 507-446-4664 E-MAIL ADDRESS: CLIENTCONTACTCENTER@FEDINS.COM														
INSURED BEAUMONT TRACTOR COMPANY INC 4430 COLLEGE ST BEAUMONT, TX 77707-3908	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: left;">NAIC #</th> </tr> <tr> <td>INSURER A: FEDERATED MUTUAL INSURANCE COMPANY</td> <td>13935</td> </tr> <tr> <td>INSURER B:</td> <td></td> </tr> <tr> <td>INSURER C:</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: FEDERATED MUTUAL INSURANCE COMPANY	13935	INSURER B:		INSURER C:		INSURER D:		INSURER E:		INSURER F:	
INSURER(S) AFFORDING COVERAGE	NAIC #														
INSURER A: FEDERATED MUTUAL INSURANCE COMPANY	13935														
INSURER B:															
INSURER C:															
INSURER D:															
INSURER E:															
INSURER F:															

COVERAGES

CERTIFICATE NUMBER: 34

REVISION NUMBER: 1

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y	Y	9151803	06/01/2017	06/01/2018	EACH OCCURRENCE \$1,000,000
	DAMAGE TO RENTED PREMISES (Ea occurrence) \$100,000						
	MED EXP (Any one person) \$5,000						
	PERSONAL & ADV INJURY \$1,000,000						
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY	N	N	9151803	06/01/2017	06/01/2018	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000
	BODILY INJURY (Per person)						
	BODILY INJURY (Per accident)						
	PROPERTY DAMAGE (Per accident)						
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION	N	N	9151804	06/01/2017	06/01/2018	EACH OCCURRENCE \$3,000,000
	AGGREGATE						
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y / N	N / A	9151807	06/01/2017	06/01/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

GENERAL LIABILITY CONTAINS A WAIVER OF SUBROGATION IN FAVOR OF THE CERTIFICATE HOLDER SUBJECT TO THE CONDITIONS OF THE BLANKET WAIVER OF TRANSFER OF RIGHTS OF RECOVERY ENDORSEMENT.

CERTIFICATE HOLDER

CANCELLATION

 217-524-8
 JEFFERSON COUNTY
 1149 PEARL ST FL 1ST
 BEAUMONT, TX 77701-3638

34 1

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2015 ACORD CORPORATION. All rights reserved.

POLICY NUMBER: 9151803

COMMERCIAL GENERAL LIABILITY
CG 20 10 04 13

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED - OWNERS, LESSEES OR
CONTRACTORS - SCHEDULED PERSON OR
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organizations:	Location(s) Of Covered Operations
JEFFERSON COUNTY 1149 PEARL ST BEAUMONT TX 77701	ANY COVERAGE PROVIDED BY THIS ENDORSEMENT APPLIES ONLY TO SERVICE WORK PERFORMED BY THE NAMED INSURED AT THE CERTHOLDER'S LOCATION.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II - Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

In the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

BEAUMONT TRACTOR COMPANY INC
4430 COLLEGE ST
BEAUMONT TX 77707

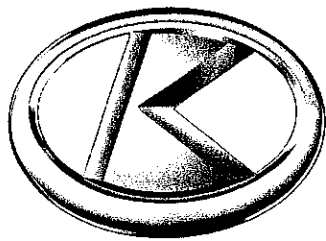
- C. With respect to the insurance afforded to these additional Insureds, the following is added to Section III - Limits Of Insurance:

If coverage provided to the additional Insured is required by a contract or agreement, the most we will pay on behalf of the additional Insured is the amount of insurance:

1. Required by the contract or agreement; or

2. Available under the applicable Limits of Insurance shown in the Declarations; whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.



For Earth, For Life³¹¹
Kubota

M

KUBOTA DIESEL TRACTOR

M6060/M7060
M8560/M9960

These tractors are available in a variety of configurations to meet your needs. For more information, contact your local Kubota distributor.



Advanced Tractors Designed and Built With You and the Environment in Mind.

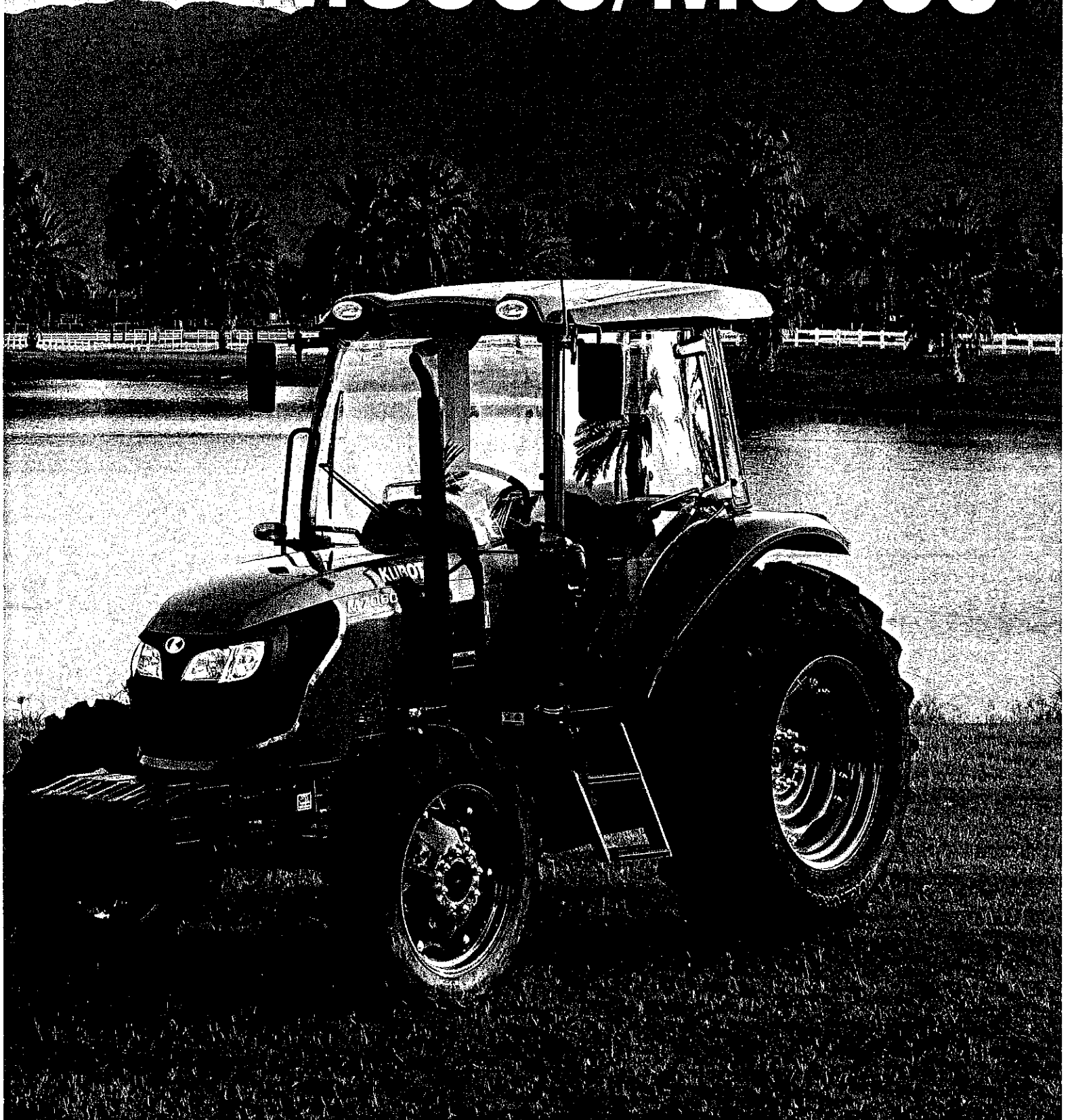
Introducing the new M6060/M7060/M8560/M9960 tractors. This line of utility M-Series tractors have been redesigned and reequipped with advanced features including Common Rail System (CRS) with Exhaust Gas Recirculation system (EGR) and Diesel Particulate Filter (DPF) Muffler for powerful yet clean and economical performance. A more ergonomically designed Cab provides easier operation, giving you the confidence you deserve to tackle tough jobs with ease, while still being gentle on the environment. Work hard, but do it with absolute pride with the new M60-Series.



KUBOTA DIESEL TRACTOR

M6060/M7060

M8560/M9960



Kubota's clean low-noise engines deliver Earth- and user-friendly performance.

NEW ENG

New Kubota Engine with Common Rail System (CRS)

M6060: 63.5 HP

M7060: 71.0 HP

M8560: 85.5 HP

M9960: 100.0 HP

Low Noise and Low Vibration

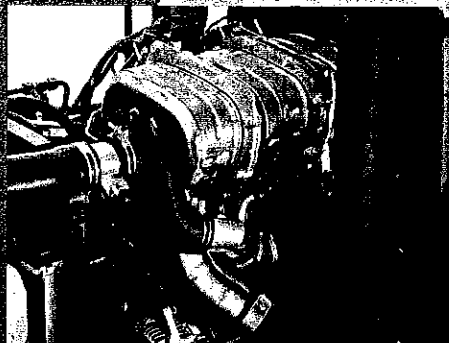
To help reduce operator fatigue and stress, the CRS engines have been specifically designed to minimize noise and vibration. This is accomplished through several innovative technologies. Noise is reduced through a ladder frame crankshaft support, giving the engines a stiffer structure and thus lower noise. Also a gear train on the flywheel side reduces the gear chattering noise caused by crankshaft torsion. Vibration is lowered through the application of compact, built-in balancers.

Constant RPM Management

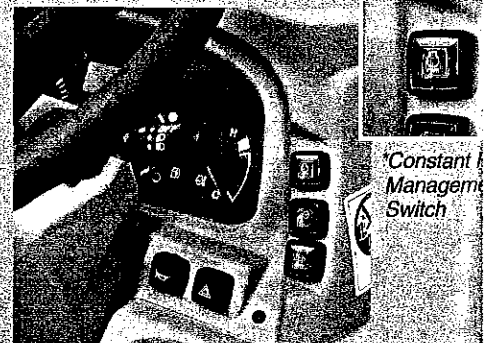
All engines provide electronic control of engine RPM. Activating the system keeps engine revolution nearly constant with a push of the switch, preventing a reduction in PTO speed and enabling stable operation. It makes working with PTO-driven implements much more efficient.

M60 Series meet the latest EPA Emission Regulation (Year 2014)

M6060/M7060 tractor CRs engines comply with latest EPA emission regulation. M8560/M9960 tractor CRs engines comply with latest EPA emission regulation.

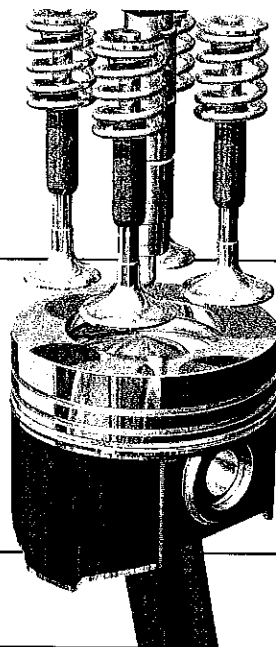


Diesel Particulate Filter (DPF) Muffler

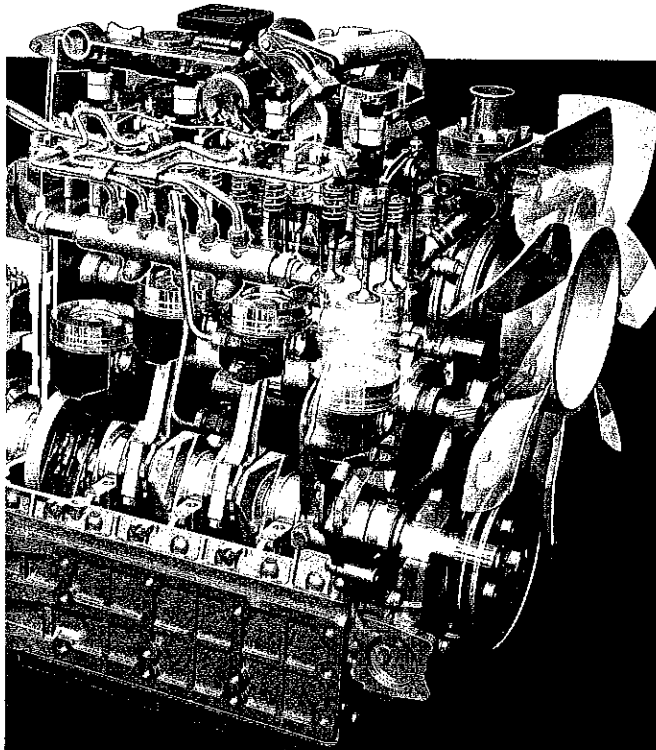


Constant RPM Management Switch

INE



**4-valve, Center-Direct
Injection System**

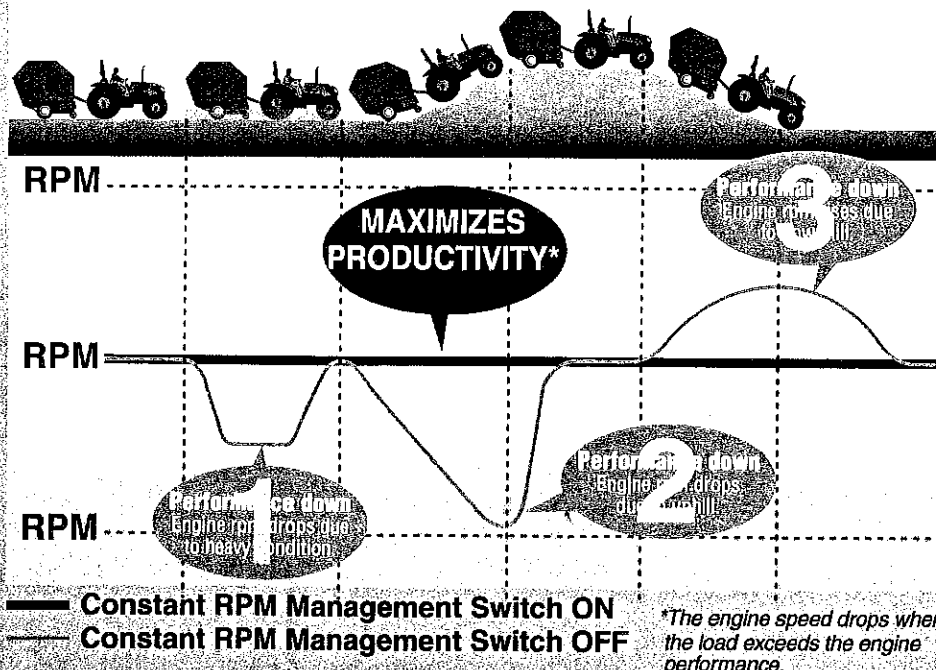


Common Rail System (CRS) with Exhaust Gas Recirculation system (EGR) and Diesel Particulate Filter (DPF) Muffler

The CRS electronically controls the timing and amount of injected fuel providing high-pressure injections in stages, rather than all at once for an optimal combustion rate that results in greater efficiency, better fuel economy and less engine noise. Its combination with the Diesel Particulate Filter (DPF) Muffler and Exhaust Gas Recirculation system (EGR) reduces emissions to meet the latest emission regulations.



• Stay Productive On Your Farm By Using Constant RPM Management



Note:

In a mechanically-controlled engine, the engine speed changes according to increases and decreases in the load. For example, when working in a hilly area, the load increases and engine speed drops while ascending a slope, and conversely the load drops when descending. These changes in engine speed effect the travel speed and PTO-driven implements. In order to minimize these effects, the operator must make fine adjustments to the travel speed and hand throttle lever.

When the Constant RPM Management switch is turned "On", the engine speed will be kept nearly constant in response to a certain level of work fluctuations. This improves the accuracy of work without the need for troublesome manipulation of the travel speed and hand throttle lever.

There is a limit to the range within which a constant speed can be maintained. If a load exceeding the engine performance is applied, the engine speed will drop. The purpose of Constant RPM Management is not to increase the engine power.

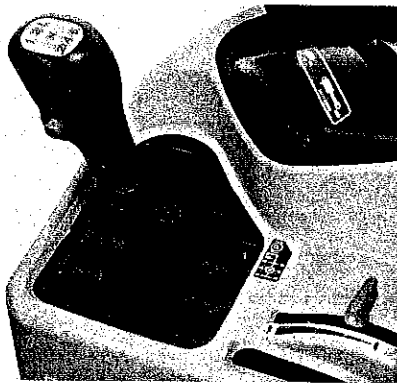
A choice of three transmissions offers the tractor performance you need.

TRANSMITS

FOR M9960 CAB 4WD MODEL

F24/R24 Transmission with Dual Speed (Factory option)

The M9960 CAB models can be fitted with the F24/R24 transmission for users who demand maximum performance. Through six synchromesh speeds in the main shift, Dual Speed which offers instant upshifts and downshifts, and a high/low range. This transmission offers 24 Forward and 24 Reverse speeds.



TRAVELING SPEED FOR M9960 HDC24 (F24/R24 w/ Dual Speed, 18.4-30 rear tires) @ rated engine rpm*

Range	Gear	5	10	15	20	25	
Creep (optional)	C1						Dual Speed Hi Dual Speed Lo
	C2						
	C3						
	C4						
	C5						
	C6						
Low range	1						Dual Speed Hi Dual Speed Lo
	2						
	3						
	4						
	5						
	6						
High range	1						Dual Speed Hi Dual Speed Lo
	2						
	3						
	4						
	5						
	6						

*When H6 gear is selected, Over Drive function limits the maximum engine revolutions at 2080 rpm for better fuel economy.

SION

Choose from
3 transmissions!

F8/R8
F12/R12
F24/R24 with
Dual Speed

FOR ALL MODELS

F8/R8 Transmission

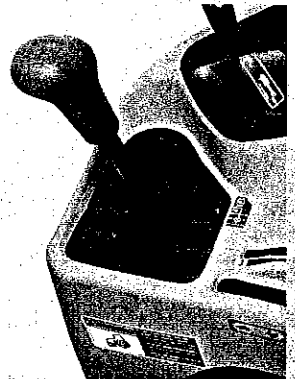
The synchronized four speeds of the main shift and a high/low range supply tractors with 8 Forward and 8 Reverse speeds.



FOR M7060/M8560/M9960 4WD MODELS

F12/R12 Transmission (Factory option)

For heavy-duty work such as plowing, hay work and heavy trailer applications, M7060/M8560/M9960 4WD models can be equipped with an F12/R12 transmission. This transmission features six speeds of the main shift and a high/low range giving it a total of 12 Forward and 12 Reverse speeds.



TRAVELING SPEED FOR M7060 HD12/HDC12 (F12/R12, 16.9-30 Rear Tires) @ rated engine RPM* (mph)

Range	Gear	5	10	15	20	25
Creep (optional)	C1					
	C2					
	C3					
	C4					
	C5					
	C6					
Low range	1					
	2					
	3					
	4					
	5					
	6					
High range	1					
	2					
	3					
	4					
	5					
	6					

*When H6 gear is selected

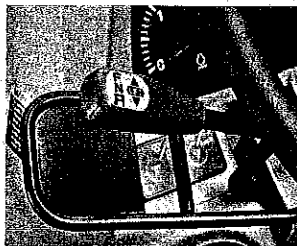
TRANSMITS

Over Drive (F12/R12 and F24/R24 models only)

When H6 gear is selected, over drive function limits the maximum engine revolutions at 1960rpm on the M7060 and 2080 rpm on the M8560/M9960 12/24 speed models for better fuel economy.

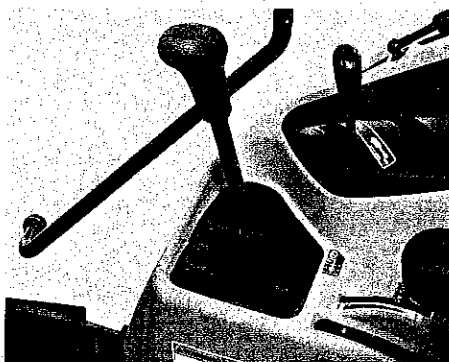
Hydraulic Shuttle

Better than ever, our Hydraulic Shuttle makes shifting between forward and reverse smooth and effortless. With the Hydraulic Shuttle, a column-mounted lever conveniently located next to the steering wheel does all the work. Boost productivity, especially while using loaders, by eliminating the need to depress the clutch every time you change directions.



Transmission Parking Lock (M7060 F12/R12 and all M8560 and M9960 models only)

The parking lock can be operated with the main shift lever for easier operation. This lock is highly durable and reliable, providing precise parking on any terrain.*
*Level ground is recommended

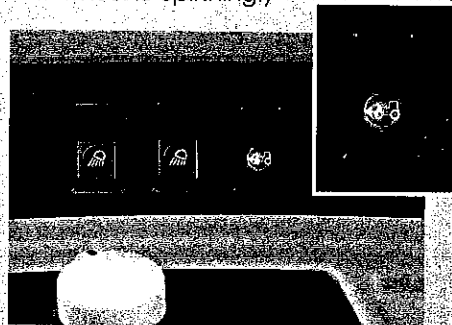


Multiple Wet Disc Clutch

The multi-plate wet disc clutch provides durability and a long operating life.

Easy to shift 4WD Engagement

Switching the 4-wheel drive on and off is easy and quick, and done with one simple switch* or lever. Best of all, there is no need to stop the tractor even when moving out of a field onto a road, so you can stay productive. The 4WD indicator on the LED readout lets you know you are in 4WD. (Do not engage while carrying heavy loads, or when rear wheel is spinning.)



* Switch (Electro-Hydraulic on the go) for M7060 F12/R12 and M9960 HDC24 models.

Hydraulic Wet Disc Brakes

To decrease operator effort and increase overall tractor longevity, M7060 F12/R12 and all M8560 and M9960 models now come standard with Hydraulic Wet Disc Brakes. These brakes require less pedal effort and retain high performance efficiency even after repeated heavy-duty work.

Limited Slip Differential

Limited Slip Differential on the front helps you maintain a stable travel speed should the drive wheel on either side of the tractor slip. A standard feature on the M7060 4WD and all M8560 and M9960 models, Limited Slip Differential is perfect when reliable traction is essential.



SION



**More space and more visibility make our Cab
a great place to work.**

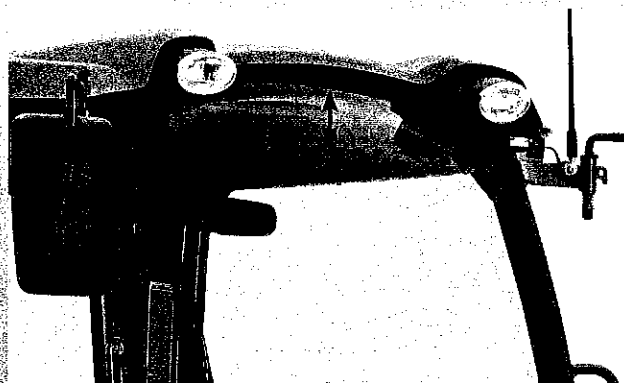
ULTRA GRAND

Ultra Grand Cab

The innovative and a stylish design of the M-Series Cab gives the operator more comfortable and spacious environment year around.

Curved Upper Windshield

The curved upper windshield increases upward visibility, making it especially handy when raising the Front Loader.



Rounded Glass

The Cab glass of our M-Series tractors has been rounded to provide the operator with more visibility and a more spacious feel—ideal for long days inside the Cab. Furthermore, the glass coverage area of the Cab door has been increased to make it easier to get in and out of the Cab.

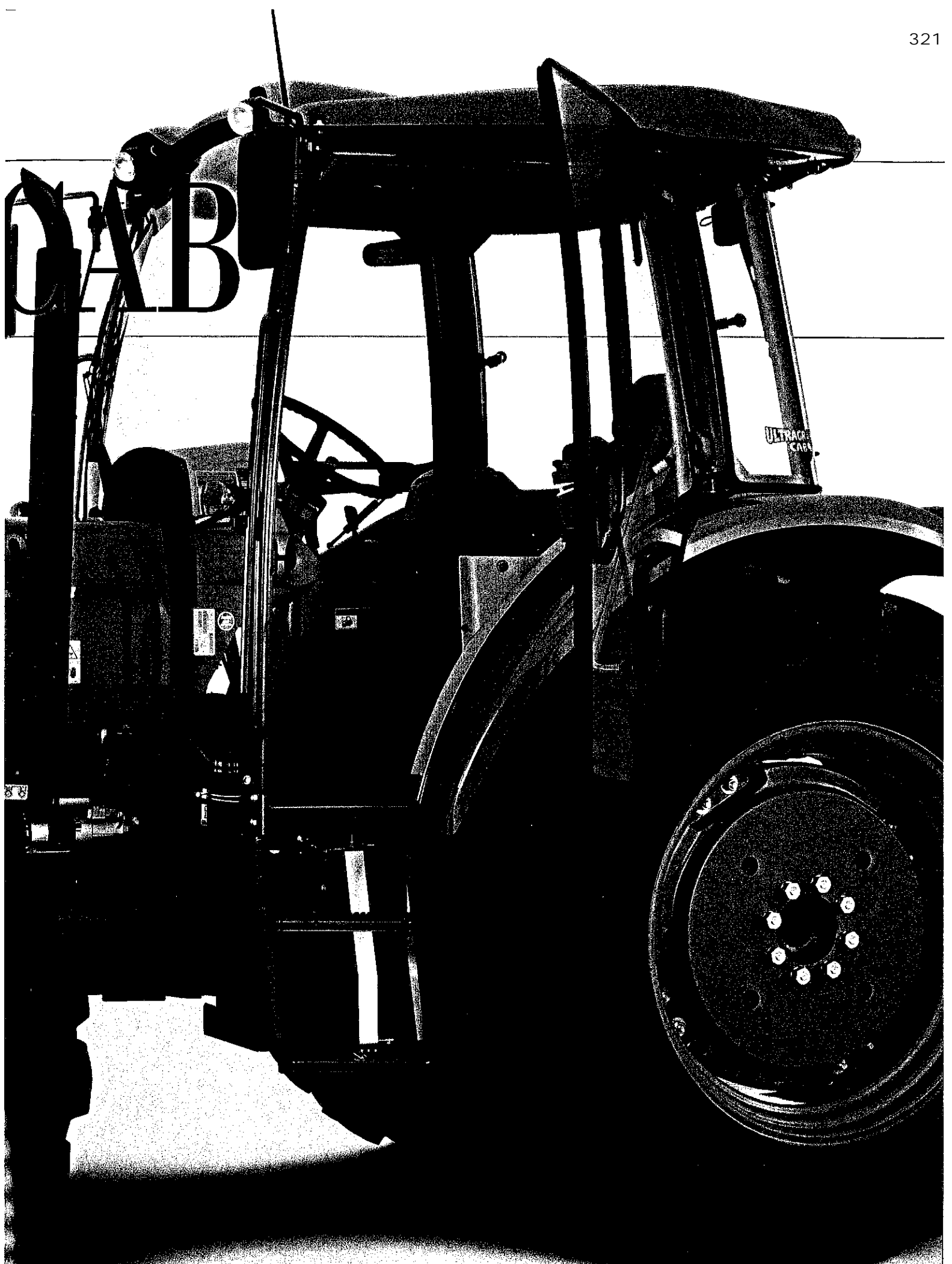
Wide Fenders

Wide and rounded fenders protect the operator from mud splashes.

Front Wiper

To increase operator visibility on a rainy day, the M-Series tractor has a front wiper. The front wiper is mounted on the front of the windshield, giving the operator a clear view of the road ahead.





A spacious and ergonomically designed Cab brings comfort to the workplace.

COMFORT

New Functional Platform

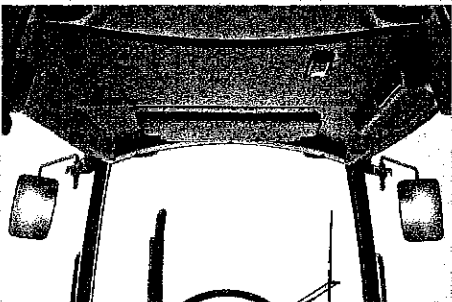
The Cab has been redesigned for better ergonomics. All levers (except the 4WD lever) and electrical switches are located on the right side for easy access and continuous operation.

Comfortable Seat

The seat has been specifically designed to absorb shock and reduce operator fatigue. Standard reclining function and arm rests further enhance comfort, and ROPS models feature a handy holder in the seat-back to store manuals. For greater shock-absorbing performance, Cab models can be optionally equipped with the air-ride seat suspension.

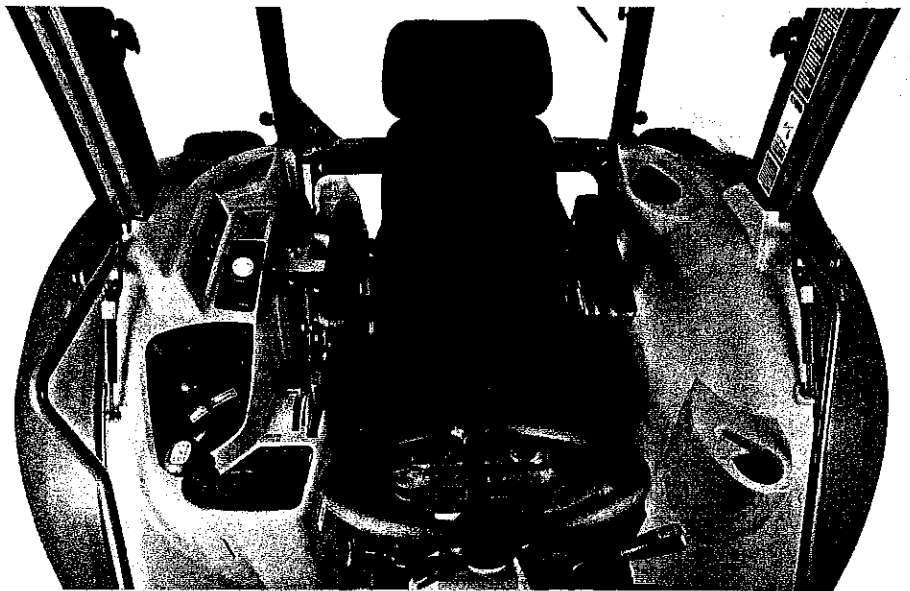
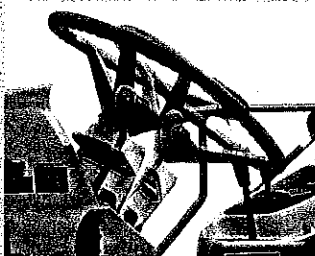
Cab Headroom

The arched beam in the front of the Cab and relocated A/C components allow an extended roof height. This feature not only increases headroom, it also increases overall visibility, especially while using the loader.

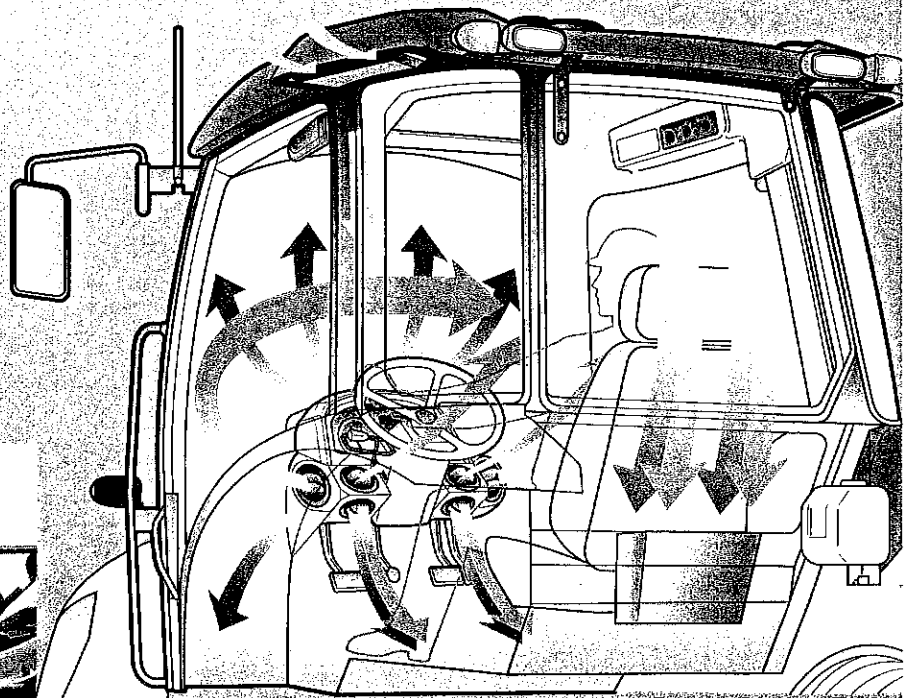


Easy-Step Tilt Steering Wheel

A simple push of the pedal allows the operator to tilt the steering wheel out of the way when dismounting the tractor.



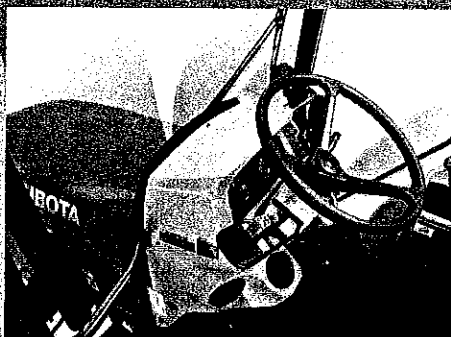
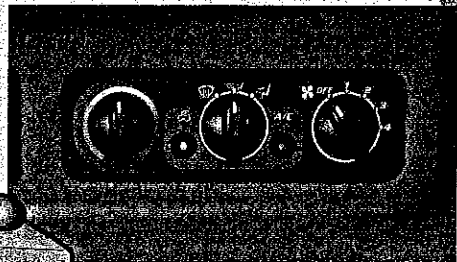
 Air Conditioning
 Heating





Heater/Air Conditioner

The heating and cooling unit is now located under the seat. The overall air circulation in the Cab has been optimized by the Cab's rounded glass and by placement of the air outlets in the dash tower to keep you cooler on hot summer days and warmer on cold winter days, for year around comfort.



Air is circulated to prevent icing, frost.

Standard Equipment

- Front halogen work lights
- Front windshield wiper and washer
- Rear halogen work lights
- Interior dome light
- External left and right mirrors
- Sun visor
- Cup holder
- Cigarette lighter
- 7-pin trailer coupler
- 3-pin 12V coupler

Options

- Rear wiper/washer
- Radio
- 100-amp alternator
- Hydraulic lift suspension
- 12V battery

Long-lasting strength, durability and reliability to endure and tackle various jobs with ease.

HEAVY DU

Hydraulics

The hydraulics on the M-Series are state-of-the-art. External hydraulic cylinders improve the lifting power and offer easier maintenance. The pump capacity (hitch and remote) is a large 16.2gpm for the M7060 F12/R12 and 17gpm for the M8560/M9960 (15.9gpm for ROPS models). As a result, the front loader cycle times are short, increasing productivity and facilitating operation. One (SCD) hydraulic remote valve is standard, with the option to add up to 2 more, plus an optional flow control valve to control the oil flow volume.

Hydraulic Independent PTO

Pulling, lifting, cutting or baling; the hydraulic independent PTO makes your toughest work easier. Self-modulation engagement with an Electric PTO Switch means implements like a rear cutter engage smoothly. The PTO brake engages when the clutch is shut off and securely holds the PTO shaft. The PTO clutch can be

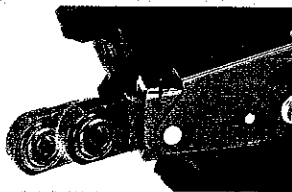
hydraulically engaged and disengaged on the go. This means mowing, operating hay equipment or spraying orchards are all made more efficient.

3-Point Hitch

The Category I / II 3-point hitches provide fast and simple attachment of rear-mounted implements. On the M6060 and M7060, lift capacity is 3307lbs (1500kg). On the M8560 and M9960 it is 4630lbs (2100kg), with an option of 7275lbs (3300kg). For M8560/M9960 models with the F12/R12 and F24/R24 transmissions, lift capacity is 7275lbs (3300kg).

Telescopic Lower Link Ends

The telescopic lower link ends, standard on all models, further facilitate implement attachment.



Floating Lift Rods

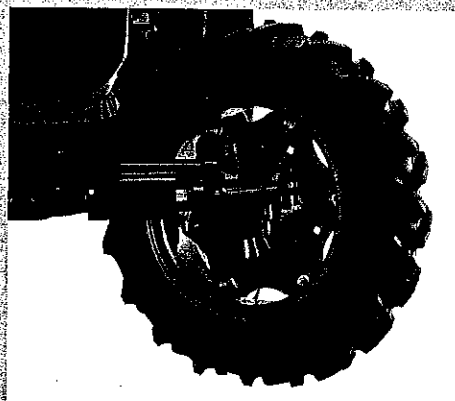
Floating lift rods are standard on both sides of the M8560 and M9960. Floating lift rods give the M8560/M9960 tractors a smoother ride and enhanced traction while using the 3-point hitch, especially on uneven terrain.

High Capacity 3PT Lift (Option)

Large diameter cylinders boost lifting power by as much as 50%—perfect for large implements and larger farm uses. They are optional on M8560 and M9960 models (standard on HD12/HDC12 12-speed models and HDC24 24-speed model).

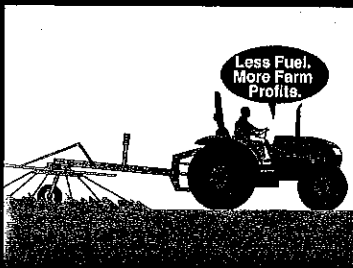
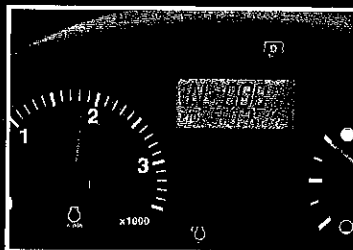
Bevel-Gear Front Axle

The bevel-gear front axle provides M60-Series with greater all-around maneuverability. It enables tractors to achieve a tighter turning radius than ever before—an amazing 55 degrees. This makes jobs in tight spaces easier. Limited Slip Differential on the front and Differential Lock on the rear are standard features, offering increased stability and traction on challenging ground conditions.

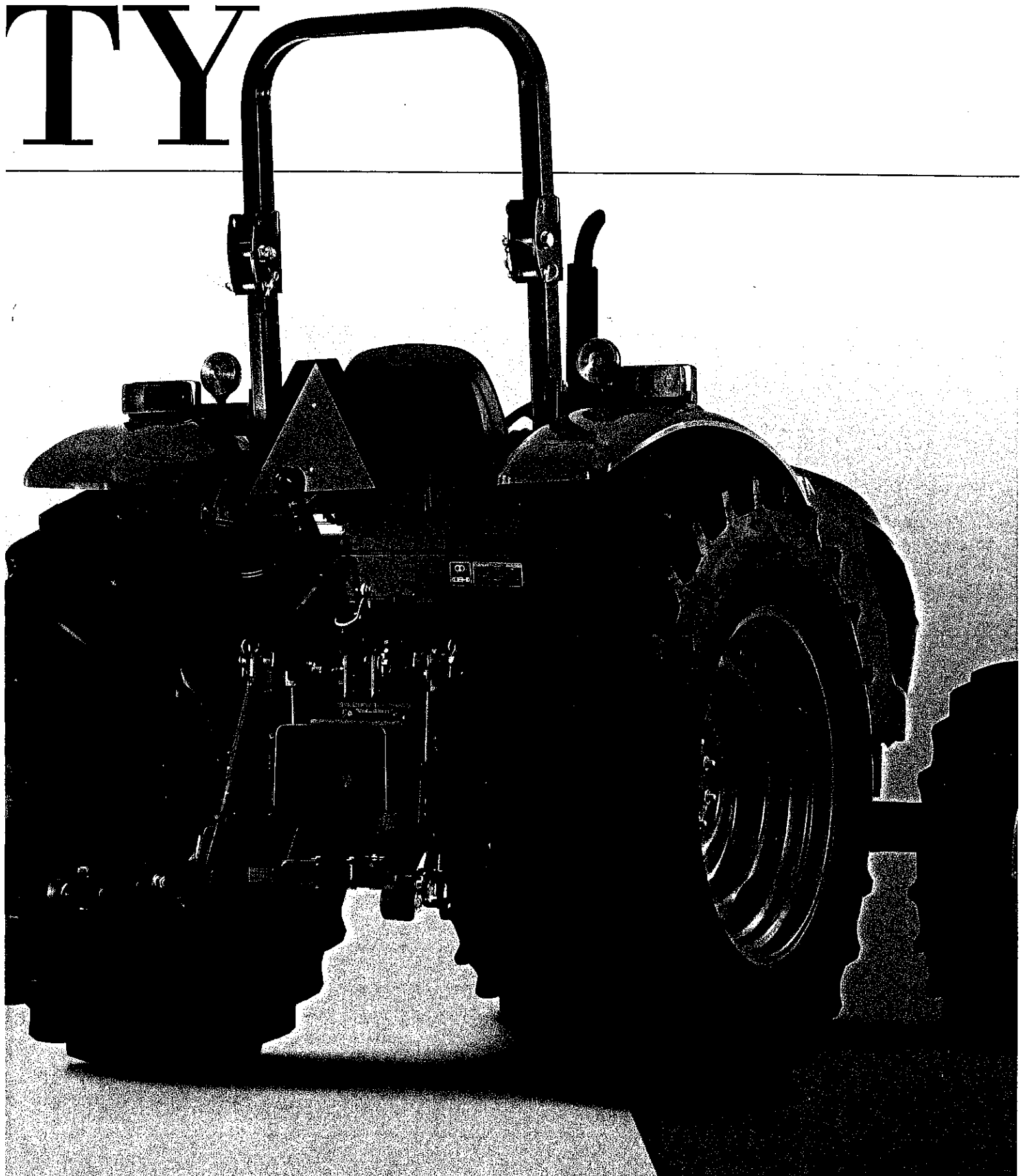


Fuel Saving Economy PTO

M7060HD12/HDC12 offer standard 540/540E PTO (Optional for F8/R8 models and all M6060/M8560/M9960). For economy PTO operation, change the lever to 540E position. Engine is run at lower RPM to save fuel and reduce operating noise while still turning PTO shaft at 540RPM. Under the economy PTO operation, 540 PTO RPM is available at 1828 engine RPM on the M6060/M7060, and at 1519 engine RPM on the M8560/M9960.

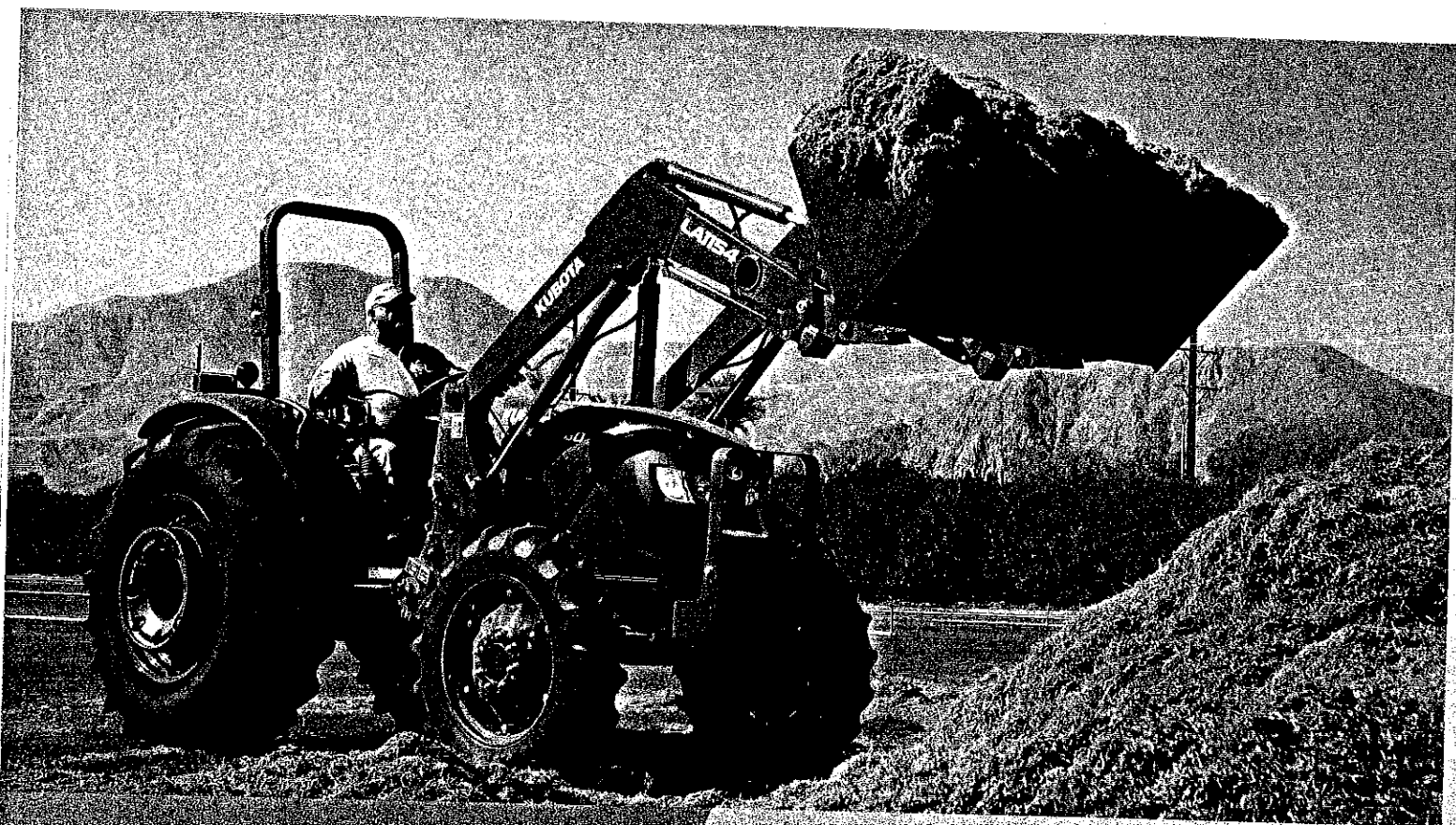


TY



The M-Series Front Loader puts power and liftability front and center.

FRONT LOAI



Front loader specifications

Model		LA1154		LA1353A	
Tractor Applications		M6060, M7060		M8560, M9960	
Boom Cylinder Fulcrum		Height position	Power position	Height position	Power position
Maximum Lift Height (Pivot Pin)	in. (mm)	132.7 (3370)	117.2 (2977)	145.7 (3700)	131.9 (3350)
Clearance w/Attachment Dump	in. (mm)	101.5 (2577)	85.5 (2172)	110.6 (2808)	94.7 (2405)
Reach to Maximum Height	in. (mm)	18.0 (458)	35.9 (911)	29.1 (738)	45.2 (1149)
Maximum Dump Angle	degrees	43	60	52	64
Height w/Attachment on Ground	in. (mm)	76.7 (1947)		87.9 (2233)	
Maximum Rollback Angle	degrees	43		40	
Bucket Depth (When Bucket is Level)	in. (mm)	5.3 (134)	4.4 (111)	7.8 (198)	7.3 (185)
Bucket Height In Carry Position	in. (mm)	61.9 (1573)		66.7 (1695)	
Bucket Width / Capacity (Heaped)	in. /cu.ft.(m³)	72 / 19.43 (0.55)		72 / 19.43 (0.55), 84 / 22.60 (0.64)	
Capacity (Bucket Center)	lbs. (kg)	2326 (1055)	2536 (1150)	2866 (1300)	2977 (1350)
Capacity to Maximum Height at Pivot Pin	lbs. (kg)	2469 (1120)	2928 (1328)		
Raising Time to Full Height w/out Load	second	4.7		4.6	
Lowering time w/out Load (powerdown)	second	3.6		3.1	
Attachment Rollback Time	second	3.0		2.6	
Attachment Dumping Time	second	2.8		2.2	

¹ w/Standard valves.

ERS

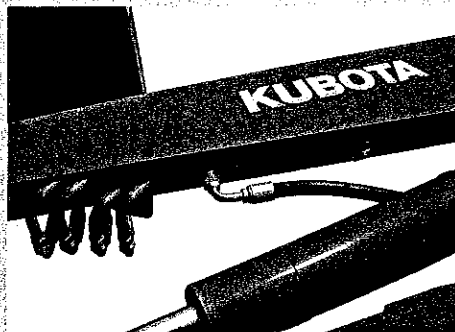


Lifting Power and Height

Two separate boom cylinder fulcrum points (Power position and Height position) give you the option to increase the M-Series Front Loader lifting power or height based on your needs. When using the pallet fork or bale spear operators have the option to set the fulcrum to give more height. For bucket work, the lower setting offers more power.

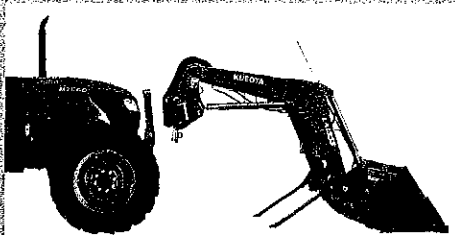
Protected Cylinder Tubes

To better protect the tractor hydraulics and offer the operator more visibility, the hydraulic tubes are neatly tucked inside the loader boom. Hydraulic tube covers further provide protection from wear and tear.



Quick-Mount Attach/Detach

Attach or detach the front loader quickly without the use of tools. The boom stands and mounting pins make this task a snap, allowing an extra measure of productivity and tractor versatility.

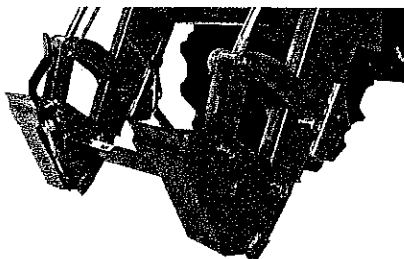


4-Bar Linkage

Thanks to the 4-bar bucket linkage, the rollback and dumping angle has been increased for quicker scooping and dumping.

2-Lever Quick Coupler

This standard M-Series feature makes attaching buckets, bale spears and pallet forks quick and easy.



Frame

The frame of the front loader maintains its sturdy, thick steel frame, but its design has been simplified by removing braces and connectors. This helps to lessen effort and shorten the time it takes to attach the loader, and also offers increased visibility.

Rubber Caps

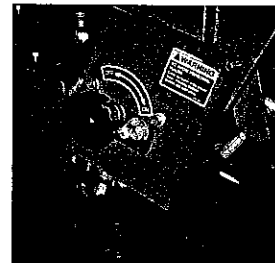
Rubber caps prevent grease drips and also give the loader a more appealing look.

Joystick Control

Located in front of the control console for easy access, the joystick offers the ability to control the movement and speed of the loader with a single lever. The Series Circuit makes simultaneous boom and bucket operation possible, while the Regenerative Bucket Dump Circuit enables quick dumping for efficient operation with quick cycle times.

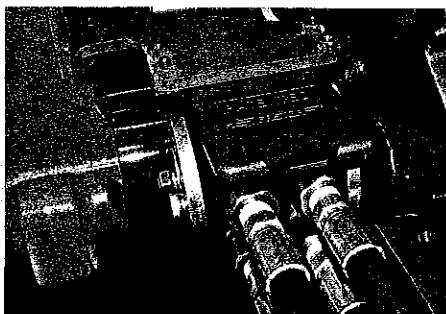
Kubota Shockless Ride (KSR)

The KSR absorbs loader shock and reduces operator fatigue. This option is perfect if your tasks include a great deal of tight turns or lifting and dumping of heavy loads. It effectively takes the "bounce" out of handling round bales.



Single-Lever Hydraulic Quick Coupler

The optional quick coupler allows the operator the ability to attach all four hoses at once. This makes attaching and detaching quick and easy.



3rd Function Valve

The optional 3rd function valve broadens the scope of the front loader operation by enabling the use of a grapple bucket and various other hydraulically controlled attachments. The 3rd function valve can be activated with buttons located on the grip of the joystick.

Specifications

Model		M6060		M7060	
		2WD	4WD	2WD	4WD
ROPS / CAB		HFC	HD / HDC	HFC	HD / HDC
Engine		V3307-CR-TE4			
Type (Make : KUBOTA)		4 cylinder in-line, Common Rail System, direct Inject.			
No. of cylinders/Aspiration		4 / turbocharged			
Engine net power*	HP (kW)	63.5 (47.4)		71 (53.0)	
PTO power	HP (kW)	56 (41.7)		64 (47.7)	
Total displacement	cu.in. (cc)	203 (3331)			
Rated engine RPM	ROPS/CAB	2400			
Fuel tank capacity	ROPS/CAB gal. (ℓ)	18.5 (70) / 23.8 (90)			
Alternator	ROPS/CAB	45 Amp / 60 Amp (100 Amp : OPT)			
Transmission					
No. of speeds		F8 / R8		F12 / R12	
Main gear shift		Fully synchronized (4 speed)		Fully synchroniz (6 speed)	
Dual speed (Hi-Lo)		N / A			
Shuttle shift		Hydraulic-shuttle			
Main clutch type		Multiple wet disc			
Brake type		Mechanical wet disc		Hydraulic wet d	
Differential lock (Front / Rear)		N / A	N/A / Mechanical	N / A	Limited Slip Differential / Mechanical
4WD clutch type		-	Mechanical on-the-go	-	Mechanical on-the-go Electro-Hydraulic on-th
PTO					
Type		Live-independent PTO, electro-hydraulic clutch with brake			
Speed	rpm	540 (540 / 540E:OPT)		540 / 540E	
Hydraulics					
Pump capacity (3-Point Hitch) ROPS/CAB	gpm (ℓ/min.)	11.0 (41.6)		16.2 (61.5)	
3-Point Hitch		Telescopic lower link ends, Telescopic Stabilizers			
Category		I / II			
Control system		Position, draft (top link sensing) & mixed control			
Lift capacity at 24 in. behind lift point	lbs. (kg)	3307 (1500)			
Cylinder type		Two external cylinders			
No. of standard remote valves		1 (2nd, 3rd & flow control valve optional)			
Other features					
4WD system		N / A	Bevel gear type	N / A	Bevel gear type
Steering		Hydrostatic power steering			
Tilt steering		Standard			
Hood type / Pedal type		Full open, slanted, steel / Hanging			
Deck type (ISO-mounted w/rubber mat)		Semi-flat on ROPS models, full-flat on CAB models			
Panel type		Electronic			
Fender shape		Wide, round			
Standard tire size					
Front		7.5-16	9.5-24	7.5-16	9.5-24
Rear		16.9-28		16.9-30	
Dimensions & weight					
Overall length	ROPS models in. (mm)	-	138.0 (3505)	-	138.0 (3505)
	CAB models in. (mm)	142.7 (3625)	138.0 (3505)	142.7 (3625)	138.0 (3505)
Overall height	top of ROPS in. (mm)	96.9 (2460)		97.2 (2470)	
	top of CAB in. (mm)	100.6 (2555)		101.0 (2565)	
Overall width (minimum)	in. (mm)	73.0 (1860)			
Wheelbase	ROPS models in. (mm)	-	83.1 (2110)	-	83.1 (2110)
	CAB models in. (mm)	84.4 (2145)	83.1 (2110)	84.4 (2145)	83.1 (2110)
Crop clearance (Front axle)	in. (mm)	18.1 (460)			
Tread width	Front in. (mm)	55.9-71.7 (1420-1820)	55.9, 59.8 (1420, 1520)	55.9-71.7 (1420-1820)	55.9, 59.8 (1420, 1520)
	Rear in. (mm)	55.9-67.7 (1420-1720)			
Turning radius (w/o brake)	ft. (m)	10.81 (3.3)	11.8 (3.6)	10.8 (3.3)	11.8 (3.6)
Tractor weight	ROPS models lbs. (kg)	-	5005 (2270)	-	5027 (2280)
	CAB models lbs. (kg)	5226 (2370)	5358 (2430)	5248 (2380)	5380 (2440)

*SAE J1349

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purpose only. Some of the items pictured in this brochure are optional, and not standard equipment. Please contact your local Kubota dealer for warranty, safety or product information. For your safety, KUBOTA strongly recommends the use of a Rollover Protective Structure (ROPS) and seat belt in almost all applications. Not for sale in Nebraska.

M8560				M9960			
2WD	4WD		2WD	4WD			
HF / HFC	HD / HDC	HD12 / HDC12	HF / HFC	HD / HDC	HD12 / HDC12	- / HDC24	
4 cylinder in-line, Common Rail System, direct Inject.			V3800-CR-TE4	4 cylinder in-line, Common Rail System, direct Inject. w/inter cooler			
	85.5 (63.8)		4 turbocharged		100 (74.6)		
	76 (56.7)				89 (66.4)		
			230 (3769)				
			2400 / 2600				
			23.8 (90) on ROPS models, 29.1 (110) on CAB models				
			45 Amp on ROPS models, 60 Amp on CAB models, 100 Amp: OPT				
F8 / R8	F12 / R12	F8 / R8	F12 / R12	F24 / R24			
Fully synchronized (4 speed)	Fully synchronized (6 speed)	Fully synchronized (4 speed)	Fully synchronized (6 speed)	Fully synchronized (6 speed)			
	N/A			Standard			
			Hydraulic-shuttle				
			Multiple wet disc				
			Hydraulic wet disc				
			Limited Slip Differential / Mechanical				
			Mechanical, on the go				Electric over hydraulic
			Live -Independent PTO, electro-hydraulic clutch with brake				
			540 (540 / 540E:OPT, 540 / 1000:OPT)				
			15.9 (60.0) / 17.0 (64.3)				
			Telescopic lower link ends, Telescopic Stabilizers				
			II				
			Position, draft (top link sensing) & mixed control				
4630 (2100), 7275 (3300): OPT	7275 (3300)	4630 (2100), 7275 (3300): OPT	7275 (3300)				
			Two external cylinders				
			1 (2nd, 3rd & flow control valve optional)				
N / A	Bevel gear type	N / A	Bevel gear type				
			Hydrostatic power steering				
			Standard				
			Full open, slanted, steel / Hanging				
			Semi-flat on ROPS models, full-flat on CAB models				
			Electronic				
			Wide, round				
7.50-18 F2	11.2-24 R1	7.50-18 F2	12.4-24 R1				
	16.9-30 R1		18.4-30 R1				
153.0 (3885)	148.0 (3760)	153.0 (3885)	148.0 (3760)				
153.0 (3885)	148.0 (3760)	153.0 (3885)	148.0 (3760)				
	99.0 (2510)		99.8 (2535)				
	100.2 (2545)		101.0 (2570)				
77.0 (1960)	78.0 (1990)	78.0 (1990)	79.0 (2010)				
90 (2285)	-	90 (2285)	-				
	88.6 (2250)	-	88.6 (2250)				
20.5 (520)	18.7 (475)	20.5 (520)	19.7 (500)				
56.7-80.3 (1440-2040)	59.8-63.8 (1520, 1620)	56.7-80.3 (1440-2040)	59.8-63.8 (1520, 1620)				
		59.8-75.6 (1520-1920)					
12.1 (3.7)	13.8 (4.2)	12.1 (3.7)	13.8 (4.2)				
5400 (2450)	5820 (2640)	5535 (2510)	5950 (2700)				
6260 (2840)	6680 (3030)	6395 (2900)	6810 (3090)				

Kubota also offers a full line-up of M-Series tractors. These tractors are the pinnacle of size, power, and performance.



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Kubota

KUBOTA TRACTOR CORPORATION

1000 Kubota Drive, Grapevine, TX 76051 Tel 888-4 KUBOTA

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JEFFERSON COUNTY Purchasing Department
1149 PEARL ST. 1ST FLOOR
BEAUMONT, TX. 77701

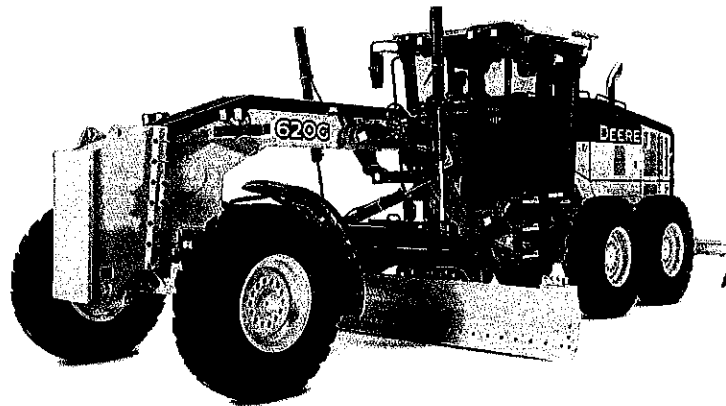
Re-bid Heavy Equipment for Jefferson County Precinct #3
TO REPLACE UNREPAIRABLE EQUIPMENT DAMAGED BY HURRICANE HARVEY

Bid# ITB-18-013/JW

DUE DATE 11:00 AM CDT, TUESDAY, JUNE 19, 2018

Quote Id: 17405495

Prepared For:
JEFFERSON COUNTY PURCHASING



Prepared By: **PATRICK NICKERSON**

Doggett Heavy Machinery
9111 North Freeway
Houston, TX 77037

Tel: 713-679-6700

Fax: 713-674-0305

Email: patrick.nickerson@doggett.com

Offer Expires: 29 June 2018

Confidential

Quote Summary
Prepared For:

JEFFERSON COUNTY PURCHASING
1149 Pearl St
Beaumont, TX 77701

Prepared By:

PATRICK NICKERSON
Doggett Heavy Machinery
9111 North Freeway
Houston, TX 77037
Phone: 713-679-6700
patrick.nickerson@doggett.com

Quote Id: 17405495

Expiration Date: 29 June 2018

Equipment Summary	Suggested List	Selling Price	Qty	Extended
JOHN DEERE 620G MOTOR GRADER	\$ 399,795.00	\$ 232,900.00 X	1 =	\$ 232,900.00
John Deere Extended Warranty-60 Month 5000 Hour Powertrain and Hydraulic Warranty		\$ 0.00 X	1 =	\$ 0.00

Equipment Total **\$ 232,900.00**

Trade In Summary	Qty	Each	Extended
1998 CHAMPION 710-A	1	\$ 13,000.00	\$ 13,000.00
PayOff			\$ 0.00
Total Trade Allowance			\$ 13,000.00

Trade In Total **\$ 13,000.00**

Quote Summary

Equipment Total	\$ 232,900.00
Trade In	\$ (13,000.00)
SubTotal	\$ 219,900.00
Total	\$ 219,900.00
Balance Due	\$ 219,900.00

Salesperson : X _____

Accepted By : X _____

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Selling Equipment

DOGETT

Quote Id: 17405495

Customer: JEFFERSON COUNTY PURCHASING

JOHN DEERE 620G MOTOR GRADER				
Hours:				Suggested List
Stock Number:				\$ 399,795.00
				Selling Price
				\$ 232,900.00
Code	Description	Qty	Unit	Extended
1210DW	620G MOTOR GRADER	1	\$ 267,885.00	\$ 267,885.00
Standard Options - Per Unit				
170C	JDLink Ultimate Cellular - 5 Years	1	\$ 0.00	\$ 0.00
1030	Dual Joystick Controls	1	\$ 30,289.00	\$ 30,289.00
1145	John Deere PowerTech PSS 6.8L meets EPA FT4 Emissions	1	\$ 42,000.00	\$ 42,000.00
1240	Dual 100 Amp Alternators (200 Amp total)	1	\$ 938.00	\$ 938.00
1320	No Quick Service Group	1	\$ 0.00	\$ 0.00
1410	Standard Fuel & Water Filtration	1	\$ 0.00	\$ 0.00
1610	Hydraulic Pump Disconnect	1	\$ 185.00	\$ 185.00
1830	Engine Exhaust with Flat Black Stack (EPA FT4 only)	1	\$ 0.00	\$ 0.00
1920	No Blade Impact Absorption System	1	\$ 0.00	\$ 0.00
2010	12 Ft. x 24 In. x 7/8 In. (3.66M x 610mm x 22mm) w/ 6 In. x 5/8 In. (152 x 16mm) Cutting Edge & 5/8 In. (16mm) Hardware	1	\$ 0.00	\$ 0.00
2575	No Grade Control Base Kit Installed	1	\$ 0.00	\$ 0.00
2605	English Labels and Decals	1	\$ 0.00	\$ 0.00
2775	No Topcon 3D GPS Grade Control System installed	1	\$ 0.00	\$ 0.00
2820	Single Input Gearbox with Slip Clutch	1	\$ 2,704.00	\$ 2,704.00
2920	No Mast Mount	1	\$ 0.00	\$ 0.00
4316	Firestone SGG	1	\$ 17,851.00	\$ 17,851.00
5070	Grade Pro Low Cab w/ Fixed Lower Front and Side Opening Windows, Laminated Glass	1	\$ 2,152.00	\$ 2,152.00
5510	Autoshift Transmission	1	\$ 1,842.00	\$ 1,842.00
5710	Transmission Solenoid Valve Guard	1	\$ 209.00	\$ 209.00
5815	Hydrau	1	\$ 0.00	\$ 0.00
6010	Powered Cab Air Precleaner	1	\$ 909.00	\$ 909.00
6140	Grade Pro Premium Heated, Leather/ Fabric, High-Wide Back Air Suspension Seat	1	\$ 0.00	\$ 0.00
6555	Grade Pro Controls for Rear Ripper or 1 Rear Auxiliary Function	1	\$ 1,636.00	\$ 1,636.00
6650	Grade Pro Controls - Left Side	1	\$ 0.00	\$ 0.00

Confidential

Selling Equipment

DOGETT
Quote Id: 17405495

Customer: JEFFERSON COUNTY PURCHASING

6715	Front Push Block	1	\$ 2,791.00	\$ 2,791.00
6810	Rear Mounted Ripper/Scarifier Combination with Rear Hitch and Pin	1	\$ 17,468.00	\$ 17,468.00
7130	Grading Lights (10 Halogen Lights)	1	\$ 1,077.00	\$ 1,077.00
7525	1400CCA Batteries	1	\$ 570.00	\$ 570.00
7610	Reversing Fan	1	\$ 750.00	\$ 750.00
7820	No Front Fenders	1	\$ 0.00	\$ 0.00
8110	24-to-12 Volt Converter (15 amps peak / 10 amps continuous)	1	\$ 0.00	\$ 0.00
8210	Exterior Mounted Rearview Mirrors	1	\$ 0.00	\$ 0.00
8310	Lower Front Intermittent Wiper & Washer	1	\$ 658.00	\$ 658.00
8410	AM/FM Radio with Aux and Weather Band (WB)	1	\$ 966.00	\$ 966.00
8510	Air Conditioner Refrigerant Charged	1	\$ 0.00	\$ 0.00
8625	With Air Conditioning System	1	\$ 2,125.00	\$ 2,125.00
8730	No Sound Absorption Package	1	\$ 0.00	\$ 0.00
8820	No Rear Camera	1	\$ 0.00	\$ 0.00
Standard Options Total				\$ 127,120.00
Service Agreements				
	John Deere Extended Warranty - 60 Month 5000 Hour Powertrain and Hydraulic Warranty	1	\$ 0.00	\$ 0.00
Service Agreements Total				\$ 0.00
Other Charges				
	Freight	1	\$ 2,900.00	\$ 2,900.00
	Setup	1	\$ 1,390.00	\$ 1,390.00
	Local Delivery	1	\$ 500.00	\$ 500.00
Other Charges Total				\$ 4,790.00
Suggested Price				\$ 399,795.00
Customer Discounts				
Customer Discounts Total			\$ -166,895.00	\$ -166,895.00
Total Selling Price				\$ 232,900.00



Extended Warranty Proposal

JOHN DEERE 620G MOTOR GRADER

Machine/Use Information		Plan Description	Price	
Manufacturer	JOHN DEERE	Application	Deductible	
Equipment Type	620G MOTOR GRADER	Coverage	List	\$ 0.00
Model	620G MOTOR GRADER	Total Months		
Country	US	Total Hours		

Extended Warranty is available only through authorized John Deere Dealers for John Deere Products, and may be purchased at any time before the product's Standard Warranty, or Extended Warranty expires.

Extended Warranty Proposal Prepared for:

I have been offered this extended warranty and

Customer Name - Please Print

☒ I ACCEPT the Extended Warranty

☐ I DECLINE the Extended Warranty

Customer Signature

If declined, I fully understand that any equipment listed above is not covered for customer expenses due to component failures beyond the original basic warranty period provided by John Deere.

Note : This is not a contract. For specific Extended Warranty coverage terms and conditions, please refer to the actual Extended Warranty contract for more information and the terms, conditions and limitations of the agreement.

What Extended Warranty is :

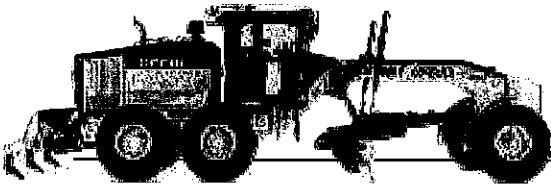
The Extended Warranty Program is for the reimbursement on parts and labor for covered components that fail due to faulty material or original workmanship that occur beyond the John Deere Basic Warranty coverage period. The agreement is between Deere & Company and the owners of select John Deere Construction and Forestry equipment, who purchase the Extended Warranty Plans for the desired coverage as indicated in this proposal.

What Extended Warranty is not :

Extended Warranty is not insurance. It also does not cover routine maintenance or high wear items, or insurance-related risks/perils such as collision, overturn, vandalism, wind, fire, hail, etc. It does not cover loss of income during or after an equipment failure. See the actual product-specific Extended Warranty agreement for a complete listing of covered components, and limitations and conditions under the program.

Features/Benefits:

- Extended Warranty includes the following features and benefits under the program :
- Pays for parts and labor costs incurred on failed covered components (less any applicable deductibles),
- Does not require pre-approval before repairs are made by the authorized John Deere dealership,
- Payments are reimbursed directly to the dealership with no prepayment required by the contract holder.



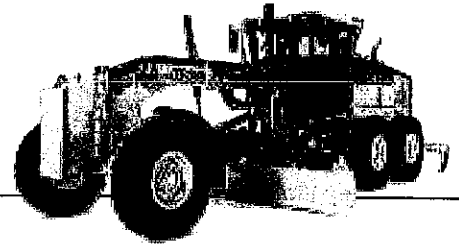
620G / GP

SPECIFICATIONS

Engine		620G/GP
Manufacturer and Model		John Deere PowerTech™ Plus 6.8L
Non-Road Emission Standard		EPA Tier 3/EU Stage IIIA
Cylinders		6
Displacement		6.8L (414 cu. in.)
Net Engine Power		
Gear 1		108 kW (145 hp)
Gear 2		116 kW (155 hp)
Gear 3		127 kW (170 hp)
Gear 4		134 kW (180 hp)
Gear 5		142 kW (190 hp)
Gear 6		146 kW (195 hp)
Gear 7		149 kW (200 hp)
Gear 8		149 kW (200 hp)
Net Peak Torque		915 Nm (675 lb.-ft.)
Net Torque Rise		46%
Aspiration		Turbocharged, charge-air cooled
Lubrication		Full-flow spin-on filter and integral cooler
Air Cleaner with Restriction Indicator		Dual element, dry
Cooling		
Engine Coolant, Extended Life, Rating		-37 deg. C (-34 deg. F)
Powertrain		
Transmission		Direct-drive John Deere PowerShift Plus™, modulated shift-on-the-go, Event-Based Shifting (EBS), inching pedal; independent transmission reservoir with separate filtration and cooling system with 117-L/min. (31 gpm) gear pump
Gears		
Forward		8
Reverse		8
Maximum Travel Speeds		No tire slip at 2,180 rpm, 14.0-R24 tires
Gear 1		4.0 km/h (2.5 mph)
Gear 2		5.6 km/h (3.5 mph)
Gear 3		7.7 km/h (4.8 mph)
Gear 4		10.9 km/h (6.8 mph)
Gear 5		16.4 km/h (10.2 mph)
Gear 6		23.2 km/h (14.4 mph)
Gear 7		32.3 km/h (20.1 mph)
Gear 8		45.5 km/h (28.3 mph)
Front Axle		Heavy-duty welded fabrication
Oscillation (total)		32 deg.
Wheel Lean Angle (each direction)		20 deg.
Differentials		Spiral bevel; hydraulically actuated, clutch type can be applied on-the-go; selectable manual or automatic differential lock
Steering (all models include steering wheel)		All-hydraulic power-frame articulation for maneuverability and productivity; crab steering reduces side drift, positions tandems on firm ground, and increases side-slope stability; return-to-straight control included in Grade Pro (GP) option
Turning Radius (front steer and articulation)		7.21 m (284 in.) (23 ft. 8 in.)
Articulation (both right and left)		22 deg.
Final Drives		Inboard-mounted planetary sealed in cooled, filtered oil
Brakes		Foot-controlled, hydraulically operated, multiple wet-disc brakes sealed in pressurized, cooled, filtered oil; both independent systems effective on all 4 tandem wheels
Primary and Secondary Brakes		Hydraulically actuated, inboard of tandem pivot, self-adjusting, sealed in cooled and filtered oil, multi-disc (ISO 3450)
Parking Brake		Automatically spring applied, hydraulically released, oil cooled, self-adjusting (ISO 3450)
Hydraulics		
Type		Closed-center, pressure-compensated load-sensing (PCLS), variable-displacement piston pump
Maximum Pump Flow		212 L/min. (56 gpm)
Maximum System Pressure		18 961 kPa (2,750 psi)
Pump Displacement		90 cm³ (5.5 cu. in.)

620G / GP

SPECIFICATIONS



Blade Function		620G/GP
All-hydraulic, industry-standard lever placement of blade-function controls; includes float position; 7 discrete saddle positions		
Blade Range		
Lift Above Ground		490 mm (19.3 in.)
Blade Side Shift (right or left)		683 mm (26.9 in.)
Pitch at Ground Line		
Forward		42 deg.
Back		5 deg.
Shoulder Reach Outside Wheels (frame straight, right or left)		2083 mm (82.0 in.) (6 ft. 10 in.)
Bank Cut Angle (right or left)		90 deg.
Blade Pull		
At Maximum Operating Weight		14 091 kg (31,066 lb.)
Electrical		
Solid-state load center and sealed-switch module		EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II
Voltage		24 volt
Number of Batteries		2
Battery Capacity		950 CCA
Reserve Capacity		190 min.
Amp-Hour Rating		110 amp-hour
Alternator Rating		
Base		100 amp
Optional		130 amp
Lights		Driving lights; 2 high- and 2 low-beam halogen headlights; front and rear LED turn signals and marker lights; LED brake and hazard warning lights
Mainframe		
Type		Welded box construction
Width (minimum)		307 mm (12.1 in.)
Height (minimum)		307 mm (12.1 in.)
Thickness		
Side		16 mm (0.63 in.)
Top and Bottom Plate		23 mm (0.89 in.)
Modulus		
Minimum Vertical Section		1445 cm ³ (88 cu. in.)
Average Vertical Section at Saddle		2245 cm ³ (137 cu. in.)
Draft Frame (drawbar)		
Welded box construction machined for flatness with double ball-and-socket pivot connection equipped with quick-change replaceable wear inserts		
Circle		
Welded construction, heat-treated, machined for flatness, equipped with quick-change replaceable wear inserts		
Circle Diameter		1524 mm (60 in.)
Rotation		360 deg.
Drive		Hydraulic motor and worm gear with positive lock
Circle Side Shift (right and left)		787 mm (31 in.)
Moldboard		
High-strength, pre-stressed for higher strength; wear-resistant, high-carbon steel and reversible end bits; blade side-shift wear system includes quick-change replaceable wear inserts and quick-adjust jackscrew system		
Base Length		3.66 m (144 in.) (12 ft. 0 in.)
Height (measured along arc, including cutting edge)		610 mm (24 in.)
Thickness		22 mm (0.88 in.)
Cutting Edge		
Dura-Max™ through-hardened steel edge		
Thickness		16 mm (0.62 in.)
Width		152 mm (6 in.)

620G/GP

Scarifiers		620G/GP	
Type	Front V-type toolbar with manual 2-pitch positions and hydraulic float	Mid-mount Radial linkage, with NeverGrease™ pin joints; V-type manual 3-pitch positions and hydraulic float	
Width of Cut	1.20 m (48 in.) (4 ft. 0 in.)	1.19 m (46.7 in.) (3 ft. 11 in.)	
Number of Shanks/Teeth	5 (maximum capacity 9)	11	
Lift Above Ground	589 mm (23.2 in.)	335 mm (13.2 in.)	
Maximum Depth	335 mm (13.2 in.)	325 mm (12.8 in.)	
Shank			
Spacing	146 mm (5.75 in.)	117 mm (4.6 in.)	
Size	25 x 76 mm (1 x 3 in.)	25 x 76 mm (1 x 3 in.)	
Front Lift Group (Balderson-style)			
Parallel linkage, mechanical pins, and hydraulic float			
Lift			
Above Ground (top of tube)	1864 mm (73.4 in.)		
Range	988 mm (38.9 in.)		
Rear Ripper/Scarifier			
Parallel linkage, with NeverGrease pin joints, hydraulic float, and integrated hitch			
	Ripper	Scarifier	
Width of Cut	2.21 m (87.2 in.) (7 ft. 3 in.)	2.18 m (86 in.) (7 ft. 2 in.)	
Number of Shanks/Teeth	3 (maximum capacity 5)	None standard (maximum capacity 9)	
Lift Above Ground	602 mm (23.7 in.)	810 mm (31.9 in.)	
Maximum Depth	426 mm (16.8 in.)	323 mm (12.7 in.)	
Force at Typical FT4 Weight			
Penetration	9296 kg (20,494 lb.)	—	
Pry-Out	11 222 kg (24,740 lb.)	—	
Shank Size	61.5 x 133 mm (2.42 x 5.25 in.)	25 x 76 mm (1 x 3 in.)	
Operator Station			
Low-profile cab with ROPS (ISO 3471-2008) and FOPS (ISO 3449-2005)			
Tires/Wheels			
	13x24 on 254-mm (10 in.) Rim	14R24 on 254-mm (10 in.) Rim	17.5R25 on 356-mm (14 in.) Rim
Wheel Tread on Ground	2.08 m (82 in.)	2.08 m (82.0 in.)	2.16 m (85.0 in.)
Overall Width	2.49 m (98 in.)	2.49 m (98.0 in.)	2.64 m (104.0 in.)
Ground Clearance (front axle)	557 mm (21.9 in.)	587 mm (23.1 in.)	587 mm (23.1 in.)
Serviceability			
Refill Capacities	EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II		
Fuel Tank	303 L (80 gal.)		
Cooling System	44.0 L (11.6 gal.)		
Engine Oil with Filter	26.0 L (6.9 gal.)		
Transmission Fluid	28.4 L (7.5 gal.)		
Differential Housing	38.0 L (10 gal.)		
Tandem Housings (each)	74.0 L (19.5 gal.)		
Circle Gearbox	5.7 L (1.5 gal.)		
Hydraulic Reservoir	53.0 L (14 gal.)		
Operating Weights			
With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboard with 152-mm x 16-mm (6 in. x 5/8 in.) Cutting Edges, 13-24 Bias L2 Tires, and 79-kg (175 lb.)			
Operator	EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II		
Front	4207 kg (9,275 lb.)		
Rear	10 671 kg (23,525 lb.)		
Total	14 878 kg (32,800 lb.)		
Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other Equipment			
Front	5080 kg (11,200 lb.)		
Rear	12 428 kg (27,400 lb.)		
Total	17 509 kg (38,600 lb.)		
Maximum Operating Weight	22 680 kg (50,000 lb.)		

620G/GP

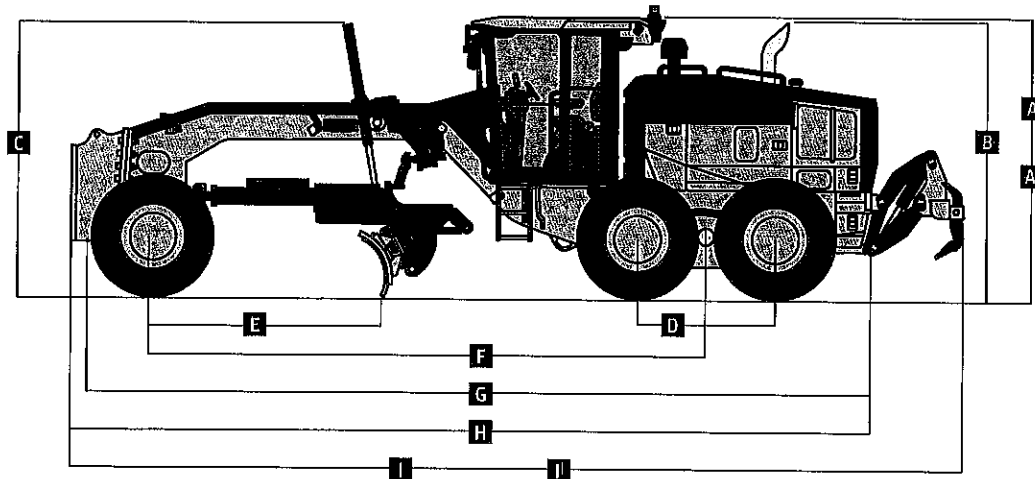
Option Weights	620G/GP
Moldboards with Through-Hardened Dura-Max Cutting Edge	
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x ¾ in.) with 152-mm x 16-mm (6 in. x ¾ in.) cutting edge and 16-mm (¾ in.) hardware	0 kg (0 lb.)
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x ¾ in.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge and 16-mm (¾ in.) hardware	45 kg (99 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ¾ in.) with 152-mm x 16-mm (6 in. x ¾ in.) cutting edge and 16-mm (¾ in.) hardware	105 kg (231 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ¾ in.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge and 16-mm (¾ in.) hardware	157.4 kg (347 lb.)
Extensions, 610 mm (2 ft.) (right or left)	
For Use with 610-mm (24 in.) Moldboards	116 kg (255 lb.)
Overlay End Bits, Reversible (one pair)	
For 152-mm (6 in.) Cutting Edge	19.5 kg (43 lb.)
For 203-mm (8 in.) Cutting Edge	23 kg (51 lb.)
Circle-Drive Slip Clutch	9 kg (20 lb.)
Moldboard Impact-Absorption System	43 kg (95 lb.)
Ripper, 3 Shank, No Scarifier	1052 kg (2,319 lb.)
Ripper/Scarifier, Rear Mounted with Hitch and Ripper Shanks (3)	1139 kg (2,510 lb.)
Scarifier Shanks with Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)
Rear Counterweight with Integral Rear Hitch	727 kg (1,603 lb.)
Rear Hitch	54.4 kg (120 lb.)
Push Block, Front	907 kg (2,000 lb.)
Scarifier	
Front Mount with Teeth (5)	831 kg (1,833 lb.)
Mid-Mount with Teeth (11)	1481 kg (3,265 lb.)
Front Lift Group (Balderson-style)	763 kg (1,682 lb.)
Tires	
13.00-24, 12 PR G2	-79 kg (-174 lb.)

Machine Dimensions	
A Height to Top of Cab	3.18 m (10 ft. 5 in.)
A' Height to Top of Full-Height Cab	3.40 m (11 ft. 2 in.)
B Height to Top of Exhaust	3.10 m (10 ft. 2 in.)
C Height to Top of Blade-Lift Cylinders	3.05 m (10 ft. 0 in.)
D Tandem Axle Spacing	1.54 m (5 ft. 1 in.)
E Blade Base	2.57 m (8 ft. 5 in.)

Option Weights (continued)	620G/GP
Tires (continued)	
14.00-24, 12 PR G2	0 kg (0 lb.)
17.5-25, 12 PR G2/L2	114 kg (252 lb.)
14.00-R24, Radial, G2/L2 General Purpose	220 kg (486 lb.)
14.00-R24, Radial, G2/L2 Snow	261 kg (576 lb.)
17.5-R25, Radial, L2 General Purpose	272 kg (600 lb.)
17.5-R25, Radial, G2/L2 Snow	316 kg (696 lb.)
17.5-R25, Radial, G3/L3 General Purpose	362 kg (798 lb.)
1-Piece Rims	
229 mm x 610 mm (9 in. x 24 in.)	0 kg (0 lb.)
330 mm x 635 mm (13 in. x 25 in.)	65 kg (144 lb.)
Multi-Piece Rims	
254 mm x 610 mm (10 in. x 24 in.)	180 kg (396 lb.)
356 mm x 635 mm (14 in. x 25 in.)	267 kg (588 lb.)
Fenders	
Front	77 kg (169 lb.)
Rear	141 kg (310 lb.)
Low Cab with Opening Front and Side Windows	14.5 kg (32 lb.)
Premium Air-Suspension, Heated Seat with Adjustable Arm- and Headrests	13 kg (28 lb.)
Coolant Heater	4 kg (9 lb.)
Quick Service	11 kg (24 lb.)
Sound-Absorption Package (machines equipped with Tier 3/Stage IIIA and Tier 2/Stage II engines only)	14 kg (31 lb.)
Secondary Steering	26 kg (58 lb.)
Beacon Bracket	8 kg (18 lb.)
Fire Extinguisher	14.5 kg (32 lb.)
Lighting Packages	
10 Halogen Lights	4.5 kg (10 lb.)
16 Halogen Lights	7 kg (16 lb.)
18 Halogen Lights	8 kg (18 lb.)
High-Front Light Bar for Snowplowing	20 kg (44 lb.)
Auxiliary Hydraulic Control Valve Section and Controls	7 kg (15 lb.)
Hydraulics for Front-Mounted Equipment	9 kg (19 lb.)

Machine Dimensions (continued)	
F Wheelbase	6.16 m (20 ft. 3 in.)
G Overall Length	8.89 m (29 ft. 2 in.)
H Overall Length with Scarifier	9.69 m (31 ft. 9 in.)
I Overall Length with Push Block and Ripper	9.99 m (32 ft. 9 in.)
II Overall Length with Scarifier and Ripper	10.59 m (34 ft. 9 in.)

For Overall Width see Tires/Wheels on page 16.



Additional equipment

Key: ● Standard ▲ Optional or special See your John Deere dealer for further information.

620	670	770	870	Operator's Station
●	●	●	●	Low-profile ROPS/FOPS cab with HVAC (ROPS ISO 3471 / FOPS SAE 3449 Level II)
▲	▲	▲	▲	Low-profile ROPS/FOPS cab utilizing laminated glass with fixed lower front and side opening windows
▲	▲	▲	▲	Opening front and side windows (standard with Grade Pro)
●	●	●	●	Keyless start with multiple security modes
●	●	●	●	Fabric air-suspension seat with armrests and headrest
▲	▲	▲	▲	Premium heated, leather/fabric, high-wide-back, air-suspension seat with armrests (standard with Grade Pro)
●	●	●	●	Sealed-switch module with function indicators
●	●	●	●	Electric rear-window defroster
●	●	●	●	Upper front windshield washers with intermittent wipers
▲	●	●	●	Upper rear windshield washers with Intermittent wipers
▲	▲	▲	▲	Lower front intermittent wiper and washer
▲	▲	▲	▲	Powered cab precleaner
▲	▲	▲	▲	Decelerator pedal
▲	▲	▲	▲	Flip-down, right- and/or left-hand cab beacon with bracket
●	●	●	●	Cab prewired for beacon, radio, and auxiliary circuit
▲	▲	▲	▲	Front window sun visor / retractable rear sunshade
●	●	●	●	Rearview mirrors, exterior (2) (SAE J985)
▲	▲	▲	▲	Heated exterior mirrors (2) (SAE J985)
▲	▲	▲	▲	Fire extinguisher
▲	▲	▲	▲	High-resolution rearview camera with dedicated monitor
●	●	●	●	Retractable seat belt, 76 mm (3 in.) (SAE 386)
▲	▲	▲	▲	AM/FM radio with auxiliary and Weather Band (WB)
▲	▲	▲	▲	AM/FM radio with Bluetooth®, auxiliary, and WB
●	●	●	●	Push-button-activated cruise control

620	670	770	870	Electrical
●	●	●	●	100-amp alternator
▲	▲	▲	▲	130-amp alternator
●	●	●	●	Batteries (2), 950 CCA with 190-min. reserve capacity
▲	●	●	●	Batteries (2), 1,400 CCA with 440-min. reserve capacity
▲	●	●	●	Left-hand engine compartment service-check light
▲	▲	▲	▲	Right-hand engine compartment service-check light
●	●	●	●	Transporting lights (4 halogen)
▲	▲	▲	▲	Grading lights (10 halogen lights)
▲	▲	▲	▲	Deluxe grading lights (18 halogen lights)
▲	▲	▲	▲	Premium grading lights (18 LED lights)
●	▲	▲	▲	Tall front snowplow light bar
●	●	●	●	Multifunction/multi-language diagnostic LCD color monitor
●	●	●	●	Reverse warning alarm (SAE J994)
●	●	●	●	LED brake and turn lights

Moldboard				
Patented pre-stressed, high strength, wear resistant:				
●	●	●	●	3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x 7/8 in.)
▲	▲	▲	▲	3.66 m x 686 mm x 25 mm (12 ft. x 27 in. x 1 in.)
▲	▲	▲	▲	3.96 m x 686 mm x 25 mm (13 ft. x 27 in. x 1 in.)
▲	▲	▲	▲	4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x 7/8 in.)
▲	▲	▲	●	4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)
▲	▲	▲	▲	4.88 m x 686 mm x 25 mm (16 ft. x 27 in. x 1 in.)
●	●	●	●	Quick-change and jackscrew-adjustable moldboard side-shift extreme-duty wear inserts
▲	▲	▲	▲	610-mm (24 in.) left- or right-hand extensions for 610-mm (24 in.) moldboard
▲	▲	▲	▲	610-mm (24 in.) left- or right-hand extensions for 686-mm (27 in.) moldboard
▲	▲	▲	▲	Reversible overlay endbits

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan at test conditions specified per ISO9249. No derating is required up to 3050-m (10,000 ft.) altitude. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with standard equipment; 14.0 x 610-mm (24 in.) 12 PR G2, Bias tires and 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 7/8 in.) high-strength, wear-resistant moldboards with 16-mm x 152-mm (0.63 in. x 6 in.) Dura-Max® through-hardened-steel cutting edges for the 620G, 670G, and 770G; and 17.5 R 635-mm (25 in.) L2, Radial tires and 4.27-m x 686-mm x 25-mm (14 ft. x 27 in. x 1 in.) high-strength, wear-resistant moldboards with 16-mm x 152-mm (0.63 in. x 6 in.) Dura-Max through-hardened-steel cutting edges for the 870G. Weights include lubricants, coolants, full fuel tanks, and 79-kg (175 lb.) operators.

Additional equipment *(continued)*

Key: ● Standard ▲ Optional or special See your John Deere dealer for further information.

620	670	770	870	Overall Vehicle
●	●	●	●	JDLink™ wireless communication system (available in specific countries; see your dealer for details)
●	●	●	●	Ground-level fuel and diesel exhaust fluid (DEF) filling
▲	●	●	●	Fluid-sampling ports for engine oil and coolant, hydraulic oil, and axle and transmission fluids
●	●	●	●	Vandal-protection locking for: Cab doors / Top tank radiator-access door / Engine coolant surge tank / Hydraulic reservoir cap / Battery-disconnect switch / Ground-level electrical master disconnect switch / Fuel-tank door and cap / Toolbox
●	●	●	●	Environmental drains with hoses for engine, transmission, hydraulic, differential fluids, and engine coolant
▲	●	●	●	Hydraulically driven cool-on-demand reversing fan
●	●	●	●	Banked easy-access vertical spin-on filters for hydraulic, transmission, and axle fluids
●	●	●	●	Engine rotary ejector precleaner
●	●	●	●	Automatic differential lock
●	●	●	●	Engine-stall prevention and auto shutdown
●	●	●	●	Single-input circle drive
▲	▲	▲	▲	Single-input circle drive with slip clutch
	▲	▲	●	Heavy-duty dual-input circle drive without slip clutch
	▲	▲	▲	Heavy-duty dual-input circle drive with slip clutch
▲	▲	▲	▲	AutoShift transmission
▲	▲	▲	▲	Blade-impact-absorption system
▲	▲	▲	▲	Front and/or rear wheel fenders
▲	▲	▲	▲	Quick-service bank for transmission, hydraulic, engine oil, and engine coolant fluid changes
▲	▲	▲	▲	Secondary steering
	▲	▲	▲	Sound-absorption package (Tier 3/Stage IIIA and Tier 2/Stage II)

620	670	770	870	Front Attachments
▲	▲	▲	▲	Front push block
▲	▲	▲	▲	V-type front scarifier with float position, 5 shanks
▲	▲	▲	▲	Mid-mount scarifier with float position, 11 shanks
▲	▲	▲	▲	Front Balderson-style lift group with float position
▲	▲	▲	▲	Front-mounted dozer blades

620	670	770	870	Rear Attachments
●	●	●	●	Full bottom guard with access panel and side guards for rear vehicle protection
▲	▲	▲	▲	Rear-mounted ripper/scarifier combination with rear hitch and pin, 3 ripper shanks
▲	▲	▲	▲	Rear counterweight with rear hitch and pin
▲	▲	▲	▲	Rear hitch and pin
▲	▲	▲	▲	Extra scarifier shanks (9) with teeth for rear ripper scarifier
	▲	▲	▲	Extra ripper shanks (2) with teeth for rear ripper/scarifier

620	670	770	870	Grade Pro (GP) Option
●	●	●	●	Low-profile GP cab with opening lower front and side windows
▲	▲	▲	▲	Low-profile GP cab utilizing laminated glass with fixed lower front and side opening windows
●	●	●	●	Premium heated, leather/fabric, high-wide-back, air-suspension seat with armrests
▲	▲	▲	▲	Dual-joystick controls
▲	▲	▲	▲	Fingertip armrest-mounted controls including steering lever
●	●	●	●	Steering wheel
●	●	●	●	Cross-slope
●	●	●	●	Return to straight
●	●	●	●	Grade-control-ready package

620	670	770	870	Grade Control
▲	▲	▲	▲	Mast mounts
▲	▲	▲	▲	Topcon ready on GP models*
▲	▲	▲	▲	Trimble ready on GP models*
▲	▲	▲	▲	Leica ready on GP models*

*Available soon on G models.

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan at test conditions specified per ISO9249. No derating is required up to 3050-m (10,000 ft.) altitude. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with standard equipment; 14.0 x 610-mm (2 1/4 in.) 12 PR G2, Bias tires and 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 1 1/2 in.) high-strength, wear-resistant moldboards with 16-mm x 152-mm (0.63 in. x 6 in.) Dura-Max® through-hardened-steel cutting edges for the 620G, 670G, and 770G; and 17.5 R 635-mm (25 in.) L2, Radial tires and 4.27-m x 688-mm x 25-mm (14 ft. x 27 in. x 1 in.) high-strength, wear-resistant moldboards with 16-mm x 152-mm (0.63 in. x 6 in.) Dura-Max through-hardened-steel cutting edges for the 870G. Weights include lubricants, coolants, full fuel tanks, and 79-kg (175 lb.) operators.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Machine designed and built by the manufacturer
- ☒ Base Machine Weight shall not be less than 37,214 lbs. Weight shall include: standard machine configuration, lubricants, coolants, full fuel tank and operator of 200 lbs.
- ☒ Machine height to top of the cab shall not exceed 131 in.
- ☒ Machine length from the front outside edge tire to end of tow hitch shall not be less than 344 in.
- ☒ Machine length from counterweight to ripper not exceed 394 in.
- ☒ Machine Wheel Base (distance from front axle to mid tandem) shall not be less than 233 in.
- ☒ Rear frame includes two box section channels with an integrated bumper as standard.
- ☒ Toolbox
- ☒ Window protectors
- ☒ Cruise control
- ☒ Drain, ecology, engine Wiggins
- ☒ Cat Product Link 321SR *30 LINK*

BASIC SPECIFICATIONS – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Vandal protection standard including locks for cab doors, engine side shields, (4) top tank radiator access door, engine coolant surge tank, hydraulic reservoir cap, fuel tank cap and toolbox.
- ☒ Rear hitch.

ENGINE

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Engine designed and built by the manufacturer.
- ☒ Engine is turbo-charged, direct injection, four stroke, 6-cylinder diesel engine.
- ☒ 209 horsepower *215 NET HP*
- ☐ Engine is certified EPA Tier 4 Final.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ENGINE (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Engine electronically controlled for more efficient fuel injection and fuel burn.
- ☒ Engine able to achieve rated power requirement with engine displacement not less than 7.1L (428 in.³) for better fuel economy.
- ☒ Engine capable of increasing its low idle to 1,000 rpm when the battery voltage is below 24.5 volts for more than 5 minutes to ensure adequate system voltage and battery reliability.
- ☒ Altitude deration will not occur at altitudes less than 10,000 ft. The deration rate above 10,000 ft. shall be 1.5% per 1,000 ft.
- ☒ Rated engine power shall not be achieved at an engine speed greater than 2,100 rpm.
- ☒ Engine will have a minimum torque rise of 56% from 2,100 rpm to peak torque following SAE J1349 (net power with max fan).
- ☒ Engine enclosure and daily service points accessible from ground level and grouped on the left side of the machine.
- ☒ Engine fan automatically adjusts fan speed via a variable hydraulic fan pump to meet engine cooling requirements thus reducing demand on the engine, putting more horsepower to the ground, reducing noise, improving fuel economy, and reducing heat.
- ☒ Engine allows for at least 500 hours of operation between oil changes.
- ☒ Engine is isolation/resilient mounted to minimize sound and vibration.
- ☒ Engine compartment doors are lockable without the use of external locks.
- ☒ Engine automatically lowers engine torque and alerts the operator if critical conditions are detected.
- ☒ Engine has air-to-air after cooler for superior engine performance.
- ☒ Engine oil cooler is a water to oil shell and tube cooler system.
- ☒ Machine has a 12,000 hour coolant interval from factory.
- ☒ The cooling package air intake has 2.8 mm perforated inlet screen.
- ☒ The charged air cooler (ATAAC) has 9 fins per inch.
- ☒ Heater, engine coolant: 120 V
- ☒ Heater, engine coolant: 240 V

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ENGINE-OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ A jacket water heater to assist in cold weather starting.
- ☒ An engine coolant heater to assist in cold weather starting.
- ☒ Ether starting aid included to automatically meter ether injection to prevent engine damage.

POWERTRAIN/TRANSMISSION

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Transmission built by the machine manufacturer.
- ☒ Transmission is direct drive, power shift, countershaft type.
- ☒ Transmission is equipped with built-in self-diagnostic capability.
- ☒ Transmission shall have no less than 8 forward speeds and 6 reverse speeds (for added safety).
- ☒ Transmission has 5 working gears between 0-10.4 mph, for dirt applications.
- ☒ Transmission is isolated/resilient mounted to reduce sound and vibration.
- ☒ Transmission: auto shift.
- ☒ Powertrain: fuel tank, fast fill.
- ☒ Powertrain: Oil, hydraulic, biodegradable synthetic.
- ☒ Starter: heavy duty, 1,000 Amp
- ☒ A controlled throttle shifting system to smooth directional gear changes without use of inching pedal
- ☒ Electronic Throttle Control (cruise control), controlled by a push button, located on a 3-axis joystick as standard on the right joystick control for resuming and decreasing throttle set.
- ☒ Electronic Throttle Control modes, set and accelerate functions, located on the right control column for easy access.
- ☒ A load compensating system for transmission to ensure consistent shift quality in all applications.
- ☒ Automatic Differential Lock/Unlock feature included and shall not have speed, shuttle shifting or tandem spinning restrictions for engaging/disengaging. System is load-sensing for optimal performance.
- ☒ Automatic mode that shall not be overridden via manual intervention for optimal performance and to prevent unintended differential engagement.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

POWERTRAIN/TRANSMISSION (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Differential Lock/Unlock that is electro-hydraulically controlled, as a standard feature.
- ☒ Differential Lock/Unlock that is multi-disc design.
- ☒ Final drive with planetary design.
- ☒ The rear axle with a bolt-on modular design offering easy access to differential components, improving serviceability and contamination control.
- ☒ The total surface area of all the transmission clutch packs not be less than 1,495 in.².
- ☒ Diameter at the output end of the transmission shaft no less than 2.29 in..
- ☒ Electronic inching pedal for improved modulation and machine control.
- ☒ Electronic over-speed protection to prevent the engine and transmission from over speeding, as a standard feature.
- ☒ Machine shall have no drive shafts that cross over the articulation hitch.

POWERTRAIN/TRANSMISSION - OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ An auto-shift transmission option available on all forward and reverse gears.

STEERING & IMPLEMENT CONTROLS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Steering wheel shall not be required to operate machine. (Steering wheel or joystick)
- ☒ Joystick steering capabilities shall be ISO 5010.
- ☒ Machine shall employ a friction pack style steering mechanism, utilizing the follow steer concept.
- ☒ The left 3-axis joystick that controls wheel lean with individual left and right wheel lean buttons as standard.
- ☒ Primary steering capable of being achieved via a left hand, multifunction, 3-axis, joystick as standard, using an intuitive steering control system that automatically adjusts steering sensitivity as machine ground speed increases.
- ☒ Articulation to the right or left shall be achieved by multifunction, 3-axis left joystick with the twist of such to the right or left by the left-hand, multifunction, 3-axis joystick.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STEERING & IMPLEMENT CONTROLS (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ✓ An articulation return-to-center button on the left multifunction, 3-axis, joystick, shall return the machine to a straight frame position from any articulation angle with the touch of a single button.
- ✓ The right 3-axis joystick shall primarily control the Drawbar, Circle, and Moldboard.
- ✓ Machine, Drawbar, Circle, and Moldboard control shall be achieved via right-hand multifunction, 3-axis, joystick, including moldboard slide and tip, drawbar center shift through a 4-way hat switch and circle turn by a left or right twist intuitively.
- ✓ Blade lift cylinders individually controlled by the multifunction, 3-axis joysticks; Lift and drop of cylinders shall be achieved forward and back motion of the respective joystick. Forward (left joystick) lowers the left cylinder, back (left joystick) raises the left lift cylinder, forward (right joystick) lowers the right lift cylinder, back (right joystick) raises the right lift cylinder.
- ✓ Joystick controls mounted to adjustable pedestals, hard mounted to the cab floor, independent of the operator seat.
- ✓ Secondary steering with primary and secondary power supply in the event the primary source is lost.
- ✓ Transmission direction control with a 3-position rocker switch for selecting forward, neutral, and reverse incorporated into a single, 3-axis, multi-function, left-hand joystick control.
- ✓ Manual Differential Lock/Unlock that is operator controlled, via a push-button, located on a single, 3-axis, multi-function, right-hand joystick control.
- ✓ Two redundant articulation sensors.
- ✓ Two redundant sensors shall be standard in the steering cylinders (one in each).
- ✓ Three redundant sensors shall be provided in the steering joystick for additional safety.

BRAKES

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ✓ Primary and secondary service brakes.
- ✓ Entire braking system shall meet all requirements of ISO 3450: 1996.
- ✓ Two separate left and right hydraulic brake accumulators shall be standard for safety.
- ✓ Parking brake shall be multi-disc, oil-cooled, spring-applied, hydraulically released, sealed, adjustment-free and integrated into the transmission. Park brake shall not be externally located.
- ✓ Parking brake shall be serviceable without removing the transmission.
- ✓ Service brakes shall be multi-disc, oil-cooled and completely sealed; they will also provide access to check and determine brake wear without removing or disassembling the brake assembly.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

BRAKES (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ✓ Service brake disc surfaces shall be grooved and carry oil between discs and plates with brakes fully applied.
- ✓ Service brakes shall be hydraulically actuated, utilizing dual independent brake circuits.
- ✓ Brakes shall be continuously pressurized, filtered, oil cooled.
- ✓ Individual brake pods for each rear wheel, located at each rear wheel inside the tandem box, independent of tandem chains.
- ✓ Compensation components at all four tandem brake pods in addition to the brake wear indicator.
- ✓ Brake line protection, including tandem walkways and hydraulic brake line guarding, shall be required to prevent line damage.
- ✓ Service brakes shall provide a minimum of 3,565 in.² of total friction material surface area used at each of the four tandem wheels to eliminate braking loads on the power train.

HYDRAULIC SYSTEM

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ✓ Triple redundant hydraulic relief system shall protect machine hydraulic components.
- ✓ Hydraulic implement pump shall produce between 0 and 55.5 gal/min (210L/min) of oil flow at high idle.
- ✓ Hydraulic system shall be a closed center, load sensing type, with a variable displacement, axial piston-type pump.
- ✓ Hydraulic system shall be fully sealed, using Duo-cone and O-ring face seals to prevent leaks, contamination, and spillage.
- ✓ Hydraulic tank shall have a baffling system to reduce potential pump cavitations.
- ✓ Maximum hydraulic system pressure shall be no more than 3,500 psi. (2750)
- ✓ Implement valves shall be electro-hydraulic, designed and built by the machine manufacturer.
- ✓ Implement pump shall not be mounted under cab floor, minimizing sound and vibration.
- ✓ Hydraulic arrangements with one or more additional hydraulic valves for rear ripper, dozer.
- ✓ Implement valves shall be proportional priority pressure compensating for consistent response, when multi-functioning any combination of implement controls and independent of engine speed.
- ✓ Implement pump solely dedicated to implement controls and not shared with any other components.
- ✓ Lock valves integrated into the main implement valve to prevent cylinder drift.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

HYDRAULIC SYSTEM (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ The hydraulic stand-by pressure shall be no more than 609 psi.
- ☒ Provision to install up to fifteen modulating hydraulic valves, controlled by two, three-axis, multi-functioning, joystick controls and auxiliary controls inside the cab.
- ☒ Hydraulic valves shall not be mounted under the cab floor, minimizing sound and vibration.
- ☒ Left and right blade lift cylinders shall have independent float capability, actuated by two multifunction, 3-axis joystick controls inside the cab, as a standard feature.
- ☒ Sight gauge provided for checking hydraulic reservoir fluid.
- ☒ Hydraulic oil change service interval shall be no less than 6,000 hours with oil sampling.
- ☒ Hydraulic system shall have a separate oil tank solely dedicated to the implement pump.

FRONT AXLE AND TANDEMS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Front axle oscillation shall be no less than 32 degrees total, per side 16 degrees up, 16 degrees down.
- ☒ Front axle with arched design for maximum ground clearance.
- ☒ Wheel spindle shall be a "live" spindle design and rotate inside a sealed compartment with lightweight oil for lubrication of the bearings.
- ☐ Front spindle that is heat induction hardened.
- ☒ Front wheel spindle bearings shall be a double-tapered design with the larger diameter bearing mounted closest to the centerline of the front tire.
- ☒ Front wheel spindle maintenance intervals shall be no less than 2,000 hours.
- ☒ Front wheel steering angle no less than 47.5 degrees left or right.
- ☒ Maximum front wheel lean no less than 18 degrees left or right.
- ☒ Machine turning radius not exceed 24 ft. 3 in. using front steering, full articulation and unlocked differential.
- ☒ Distance between center of tandem wheels no less than 59.5 in..
- ☒ Tandem chain pitch not be less than 1.8 in..
- ☒ Tandems capable of oscillating 15 degrees front tandem up and 25 degrees front tandem down, with full machine articulation and having no interference between tandem wheel and machine structure.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

FRONT AXLE AND TANDEMS (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ✓ ☒ Electronic and mechanical steering stops located at each wheel and steering cylinder relief valves shall be present to prevent steering system damage during normal operation.
- ✓ ☒ Steering tie rod ends shall be heat induction hardened.
- ✓ ☒ Two steering cylinders for maximum steering force.
- ✓ ☒ When equipped with a ripper, the machine shall have a minimum ramp angle of 15 degrees.

TIRES AND RIMS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ✓ ☒ A 10 inch by 24 inch size 3-piece tire rim shall be available to provide mounting for 14.00R24 conventional tires.

TIRES AND RIMS – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ✓ ☒ A 14 inch by 25 inch size 3-piece tire rim shall be available to provide mounting for 17.5-R25 tires.

GUARDS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ✓ ☒ Guards: Sound suppression (bottom)
- ✓ ☒ Guards: Sound suppression (enclosure)
- ✓ ☒ Guards: Transmission

OPERATORS STATION

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ✓ ☒ An enclosed cab with ROPS (Rollover Protective Structure) according to ISO 3471 shall be provided.
- ✓ ☒ Cab door with hold-open clasp with a ground-level release and in addition to, a release in the cab.
- ✓ ☒ Cab shall be isolation-mounted to the front frame section of the machine.
- ✓ ☒ Cab shall have fixed front window of laminated glass with intermittent wiper.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

OPERATORS STATION (Continued)

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ FOPS (Falling Object Protective Structure) shall be provided according to ISO 3499.
- ☒ Machine shall have no less than 17 adjustable vents, positioned to direct air to front windows and operator.
- ☒ Radio ready arrangement will include 24V to 12V converter, two speakers, antenna, and wiring.
- ☒ An instrument cluster that includes a speedometer, tachometer, coolant temperature, fuel and articulation angle gauge.
- ☒ Operator cab fresh air-filter accessible for clean out and replacement, from outside of the cab at ground level.
- ☒ A real-time information system shall monitor all system data and alert the operator of any faults through a digital text display. This information system shall be programmable for multiple languages.
- ☐ Left and right side cab doors shall be provided.
- ☒ Wipers on side and rear windows.
- ☒ Digital machine hour meter.
- ☒ Electronic message system shall provide real-time machine performance and diagnostic data.
- ☐ Mirrors, outside: heated 24 V
- ☒ Mirrors, outside: mounted
- ☒ Precleaner: HVAC
- ☒ Radio Ready, AM/FM *(included)*
- ☒ Shade, sun
- ☒ Forward visibility shall be continuous and unobstructed glass from roofline to floor providing visibility of the blade, heel and toe, back of the cutting edge, and front tires.
- ☒ Access to cab shall be three anti-skid steps.
- ☒ Cab shall have cup holder, personal cooler holder/storage compartment for operator's manual, with a molded floor mat.
- ☒ Window washer fluid bottle refill spout shall be located external of the cab.
- ☐ Auxiliary control pod, with implement float control capability, shall be available.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

OPERATORS STATION – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Auxiliary controls shall be available for control of attachment implements and/or work tools, and shall be programmable via computer software.
- ☒ Auxiliary controls shall be a fingertip control type and located beside the right-hand joystick control.
- ☒ Integrated display and wiring for a rear vision camera shall be available with capability to view at all times without interfering with the gauge and diagnostic display.
- ☒ A rear sun shade shall be available.
- ☒ A rear defroster fan shall be available.
- ☒ An air suspension seat shall be available.

CIRCLE & MOLDBOARD

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Drawbar, circle, and moldboard shall be controlled with a maximum of two multifunction, 3-axis joysticks, as standard.
- ☒ Drawbar wear strips shall be replaceable drop-in inserts made from nylon composite materials, replaceable and adjustable from the top of the drawbar plate via removable cover plates.
- ☒ The drawbar shall feature welded protective war plates to prevent lift group contact with the primary drawbar structure.
- ☒ The moldboard shall be 12 ft. long, 24 in. high and no less than 7/8 in. thick.
- ☒ Moldboard shall have a bank slope angle capability of at least 90 degrees to both sides.
- ☒ Moldboard shall have no less than 16.3 in. arc radius (blade curvature) for optimum productivity.
- ☒ The moldboard retention system shall have no more than two retention points located on the left and right side of the moldboard. The surface area shall no be less than 78.13 in.².
- ☒ Moldboard shall have a hydraulic tip control through a range of 40 degrees fore and 5 degrees aft.
- ☒ Moldboard wear strips shall be adjusted with lock screws, providing shim-less adjustment capability both vertical and horizontal.
- ☒ The moldboard shall be pre-stressed during manufacturing for superior strength and durability.
- ☒ Moldboard side rails shall be constructed of heat-treated, high carbon steel and have replaceable bronze alloy wear inserts on top and bottom.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

CIRCLE & MOLDBOARD (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Circle shall be a single piece, rolled-ring forging, with raised wear surfaces on the top and bottom.
- ☒ Circle shall be rotated by a hydraulically driven motor with a minimum circle pinion torque capability of 44,253 ft.-lb.
- ☒ Circle teeth contact surfaces shall be induction-hardened on the front 240 degrees of the circle.
- ☒ Blade lift and center shift cylinders shall have replaceable bronze-alloy wear inserts in the ball sockets with removable shims to insure the ability to remove free play throughout the useful wear insert life.
- ☒ The lift cylinder casting shall be welded to the front frame for added strength and structural integrity.
- ☒ The standard mounting hardware for cutting edges and end bits shall be 3/5 inch.
- ☒ Linkbar pin shall be separate from pin pulling mechanism for easier service and lower O&O costs.
- ☒ The draft frame pivot connection shall have a single ball stud with grease zerk. Ball stud shall be bolt-on, shimable and adjustable to allow for quick and easy field serviceable design.
- ☒ Three sideshift anchor positions shall be provided for extended reach capability as standard.
- ☒ Pinion Gear shall be separate from the Pinion Shaft to allow for a quick and easy serviceable design.
- ☒ Circle outside diameter shall be no less than 60.2 in.
- ☒ Throat clearance with standard moldboard shall be at least 126 mm.
- ☒ There will be no more than 6 replaceable wear inserts between the circle and drawbar providing at least 163 in.² of wear surface area.

CIRCLE & MOLDBOARD – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Blade lift accumulators shall be provided, protecting cutting edge and other components from damage shock loads as an option. (OPTIONAL)

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

WORK TOOLS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Blade extension, left hand (2 ft.)
- ☒ Cutting edges, curved
- ☒ Endbits, overlay
- ☒ Front lift group, mounting
- ☒ Front lift group, mechanical
- ☒ Grader bit, narrow and super penetration
- ☒ Push plate, counterweight
- ☒ Ripper, mounting
- ☒ Ripper, rear
- ☒ Ripper tooth

ELECTRICAL

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Six 3 X 3 halogen mounted cab lights. (10)
- ☒ 24 V to 12 V converter with 10-amp capacity.
- ☒ Starting system shall be a 24 V direct electric type.
- ☒ Incandescent white reversing lamps and LED stop lamps shall be provided.
- ☒ Electrical system shall have a master disconnect switch with a removable key (in addition to the ignition switch), accessible from the ground level.
- ☒ Core machine systems shall be electronically connected, optimizing performance and preventing machine damage.
- ☒ All wiring arranged and located so as to facilitate regular visual inspections, not to be in contact with hot surfaces and not routed with other services lines (e.g. fuel, oil, etc.)
- ☒ All harnesses/cabling secured with clipping clamps providing a gap between the conduit/harness and the mounting surface preventing material build-up.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ELECTRICAL – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ 800 CCA batteries
- ☒ 80 amp alternator
- ☒ High and low bar headlights with front turn signals.
- ☒ Amber LED high-speed strobe beacon.
- ☒ 24V to 12V converter with 25 amp capacity.
- ☒ Lights: high
- ☒ Lights: low
- ☒ Lights: Working lights, basic
- ☒ Lights: Working lights, plus
- ☒ Lights: Warning: beacon or strobe
- ☒ Lights: Mounting for warning light

SERVICEABILITY

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ High-speed oil drain system with ground level quick-connect access.
- ☒ Lockable swing-out cooling fan housing featuring a latch-style mechanism (shall not be of a bolted design), allowing easy access to cores. Ability to open/close shall be ground level accessible, eliminating need to climb on machine.
- ☒ Dip stick (at ground level) for checking transmission fluid.
- ☒ Hydraulic tank site gauge, readable from the ground.
- ☒ Hydraulic tank filter (cartridge style filter) providing a separate filter element, housing, and drain valve for quick and clean servicing.
- ☒ Ability for ground level fueling.
- ☒ Sampling ports accessible from the tandem level and providing access to the engine, hydraulic, coolant, and fuel ports.
- ☒ A two-way communication tool shall give service technicians easy access to stored diagnostic data and allow configuration of machine parameters.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

SERVICEABILITY (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ The articulation joint shall have mechanical locking device to prevent frame articulation while servicing or transporting the machine.
- ☒ Left and right side tandem case assemblies shall be covered with punched steel plate to provide an adequate platform for standing and walking.
- ☒ Sampling ports shall be accessible from the tandem level and provide access to the engine, hydraulic coolant, and fuel ports.
- ☒ Engine primary and final fuel filters with 500 hour service replacement interval.
- ☒ Engine with primary fuel filter with fuel water separator and electronic sensor, quick release dual stage filter and primer pump.
- ☒ Centralized lube bank at the articulation joint to give access to difficult zerks.
- ☐ Transmission filter restriction indicator displayed in the cab.
- ☒ Lock-out Tag-out capabilities provided standard to increase the safety levels during down time; ensuring that an energy isolating device and the machine which are being worked cannot be operated.

SERVICEABILITY – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Guard to protect the machine's transmission from debris.
- ☒ Guard to suppress sound from the engine.

MINIMUM SERVICE FILL CAPABILITIES

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Standard fuel tank capacity of at least 90 gallons.
- ☒ Standard cooling system capacity of at least 12.9 gallons.
- ☒ Standard hydraulic tank capacity of at least 16.9 gallons.
- ☒ Standard engine oil capacity of at least 7.9 gallons.
- ☒ Standard tandem housing capacity of at least 15.6 gallons.
- ☒ Standard front wheel spindle bearing housing capacity of at least 0.1 gallons.
- ☒ Standard circle drive housing capacity of at least 1.8 gallons.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

SAFETY AND ENVIRONMENTAL

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Circle drive slip clutch to reduce horizontal moldboard impact damage.
- ☒ Black glare-reducing paint on the front frame and engine enclosure to decrease glare from other equipment lights and reflection from the sun and snow.
- ☒ Hydraulic implement lock-out, achievable by actuating a single electrical switch within the operator station.
- ☒ An external emergency kill switch for ground level engine shut down.
- ☒ Secondary, electric steering pump with redundant wiring as a back-up to the primary implement hydraulic pump.
- ☒ Laminated glass for the front windows and doors, to protect the operator from shattered glass.
- ☒ Dual exits allowing for emergency egress should one side become obstructed.
- ☒ Electrical system with master disconnect switch with a removable key and lock for added safety (in addition to ignition switch).
- ☒ Steering software system to automatically reduce steering sensitivity as the ground speed increases.
- ☒ Back-up lights and sounding alarm when reverse gears are selected.
- ☒ Environmentally friendly drain valves for the hydraulic oil, engine oil, engine coolant, transmission, differential and fuel tank.
- ☒ Cooling fan with both shroud and rear grill for protection during service. (Reversing)
- ☒ Machine shall allow cab interior and exterior lights to remain on separate from ignition switch, for safe exit of the machine during night operation.
- ☒ Engine and transmission shall be rubber isolation mounted to reduce noise and vibration.

SAFETY AND ENVIRONMENTAL – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Guard shall be available to protect the machine's transmission from debris.
- ☐ Rear vision camera with integrated display and wiring. (Optional)

Bid Item 1: Motor Grader
BIDDER ALTERNATIVE FEATURES OFFERRED & EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

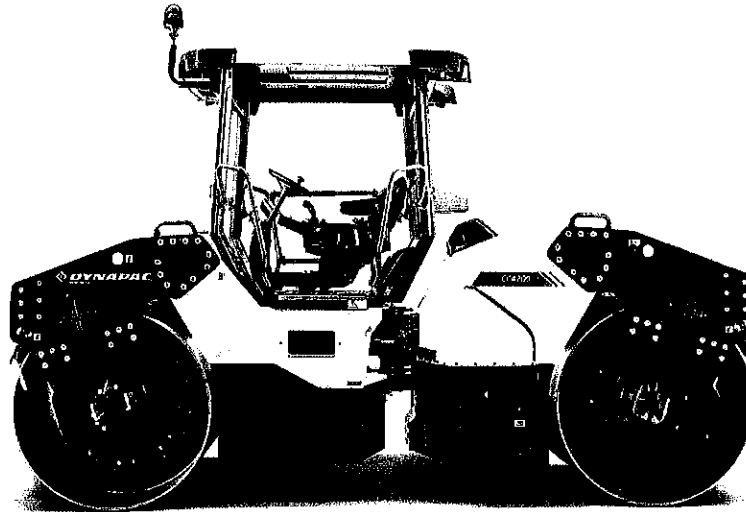
For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Quote Id: 17405495

Prepared For:
JEFFERSON COUNTY PURCHASING



Prepared By: **PATRICK NICKERSON**

Doggett Heavy Machinery
9111 North Freeway
Houston, TX 77037

Tel: 713-679-6700

Fax: 713-674-0305

Email: patrick.nickerson@doggett.com

Offer Expires: 29 June 2018

Confidential

DOGGETT

Quote Summary
Prepared For:

JEFFERSON COUNTY PURCHASING
1149 Pearl St
Beaumont, TX 77701

Prepared By:

PATRICK NICKERSON
Doggett Heavy Machinery
9111 North Freeway
Houston, TX 77037
Phone: 713-679-6700
patrick.nickerson@doggett.com

Quote Id: 17405495

Expiration Date: 29 June 2018

Equipment Summary	Suggested List	Selling Price	Qty	Extended
DYNAPAC CC4200VI	\$ 149,903.00	\$ 146,200.00 X	1 =	\$ 146,200.00
John Deere Extended Warranty-36 Month 3000 Hour EPIC Warranty		\$ 0.00 X	1 =	\$ 0.00

Equipment Total **\$ 146,200.00**

Trade In Summary	Qty	Each	Extended
CAT CB534-C - 5HN00552	1	\$ 6,500.00	\$ 6,500.00
PayOff			\$ 0.00
Total Trade Allowance			\$ 6,500.00

Trade In Total **\$ 6,500.00**

Quote Summary

Equipment Total	\$ 146,200.00
Trade In	\$ (6,500.00)
SubTotal	\$ 139,700.00
Total	\$ 139,700.00
Balance Due	\$ 139,700.00

Salesperson : X _____

Accepted By : X _____

Confidential

Selling Equipment

DOGGETT

Quote Id: 17405495

Customer: JEFFERSON COUNTY PURCHASING

DYNAPAC CC4200VI				
Hours:	0			Suggested List
Stock Number:				\$ 149,903.00
				Selling Price
				\$ 146,200.00
Code	Description	Qty	Unit	Extended
CC4200VI	Dynapac CC4200VI Asphalt Tandem Roller	1	\$ 147,570.00	\$ 147,570.00
Service Agreements				
	John Deere Extended Warranty - 36 Month 3000 Hour EPIC Warranty	1	\$ 0.00	\$ 0.00
	Service Agreements Total			\$ 0.00
Other Charges				
	Freight	1	\$ 1,450.00	\$ 1,450.00
	Setup	1	\$ 483.00	\$ 483.00
	Local Delivery	1	\$ 400.00	\$ 400.00
	Other Charges Total			\$ 2,333.00
	Suggested Price			\$ 149,903.00
Customer Discounts				
	Customer Discounts Total		\$ -3,703.00	\$ -3,703.00
Total Selling Price				\$ 146,200.00



Extended Warranty Proposal

Machine/Use Information		Plan Description	Price	
Manufacturer	DYNAPAC	Application	Deductible	
Equipment Type	CC4200VI	Coverage	List	\$ 0.00
Model	CC4200VI	Total Months		
Country	US	Total Hours		

Extended Warranty is available only through authorized John Deere Dealers for John Deere Products, and may be purchased at any time before the product's Standard Warranty, or Extended Warranty expires.

Extended Warranty Proposal Prepared for:

I have been offered this extended warranty and

Customer Name - Please Print

☒ I ACCEPT the Extended Warranty

☐ I DECLINE the Extended Warranty

Customer Signature

If declined, I fully understand that any equipment listed above is not covered for customer expenses due to component failures beyond the original basic warranty period provided by John Deere.

Note : This is **not** a contract. For specific Extended Warranty coverage terms and conditions, please refer to the actual Extended Warranty contract for more information and the terms, conditions and limitations of the agreement.

What Extended Warranty is :

The Extended Warranty Program is for the reimbursement on parts and labor for covered components that fail due to faulty material or original workmanship that occur beyond the John Deere Basic Warranty coverage period. The agreement is between Deere & Company and the owners of select John Deere Construction and Forestry equipment, who purchase the Extended Warranty Plans for the desired coverage as indicated in this proposal.

What Extended Warranty is not :

Extended Warranty is not insurance. It also does not cover routine maintenance or high wear items, or insurance-related risks/perils such as collision, overturn, vandalism, wind, fire, hail, etc. It does not cover loss of income during or after an equipment failure. See the actual product-specific Extended Warranty agreement for a complete listing of covered components, and limitations and conditions under the program.

Features/Benefits:

- Extended Warranty includes the following features and benefits under the program :
- Pays for parts and labor costs incurred on failed covered components (less any applicable deductibles),
- Does not require pre-approval before repairs are made by the authorized John Deere dealership,
- Payments are reimbursed directly to the dealership with no prepayment required by the contract holder.

Bid Item 3: Vibratory Tandem Roller

One (1) BOMAG Model: BW161AD-5 Vibratory Tandem Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Vibratory Tandem Roller is to be complete with All Standard Equipment including 90 degree swivel seat unit, Economizer, ROPS, Temperature Gauge, and Joint with Crabwalk.

For full technical specifications for this bid item, see APPENDIX C.

Warranty term for this equipment (included, without additional cost) should be at least: (1) one calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade-In: Jefferson County will be trading in a used and **flood-damaged** CAT CB534-C (SN: 5HN00552) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 3: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 43-44).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 45).

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Operating Weight should be at least 21,600 lbs
- ☒ Turning Radius: 192.1"
- ☒ ~~NA~~ Vibratory Frequency for Drums: 3,000/4,200 VPM **4020**
- ☒ Engine: 114 horsepower
- ☒ Top speed should be at least 7.5 mph
- ☒ No grease nipples.
- ☒ Sealed bearings.
- ☒ Economizer System
- ☒ Economode Feature
- ☒ ~~Tango Oscillation Feature~~
- ☒ Visible sight lines to drum edge
- ☒ Open operator's platform
- ☒ 180 degree seat & steering, so the driver can have their front or back turned to the edge of the machine for a better view.

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ 2 amplitudes / 2 frequencies
- ☒ ~~NA~~ Kubota Tier 4i engine **Cummins T4E**
- ☒ Automatic vibration operation
- ☒ Individual vibration control
- ☒ Adjustable driver's seat – 180 degrees; laterally slidable with steering wheel
- ☒ On-board indicators: engine speed, speedometer, fuel consumption, engine temperature
- ☒ Pressure sprinkling system with 2 pumps
- ☒ Low water level indicator

Bid Item 3: Vibratory Tandem Roller
TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Indicator and hazard lights
- ☒ Back-up alarm
- ☒ Battery disconnect switch
- ☒ Storage for documents and tools
- ☒ Emergency stop button
- ☒ ROPS/FOPS w/safety

OPTIONAL EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Economizer
- ☒ Asphalt temperature display
- ☒ Edge cutter
- ☒ Rotary beacon
- ☒ Environmentally friendly hydraulic oil

Bid Item 3: Vibratory Tandem Roller
BIDDER ALTERNATIVE FEATURES OFFERED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

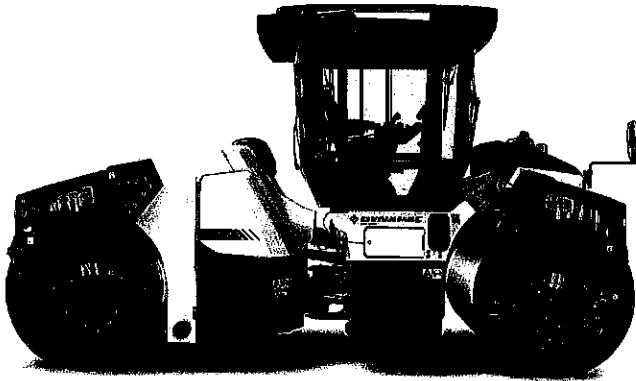
For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

Vibration Frequency 3060 / 4020 RPM


We use A Cummins QSB3.8 14/T4F diesel
 water cooled - turbo.


Dynapac CC4200 VI


Double drum vibratory rollers





Technical data

 Masses	
Max. operating mass	29,000 lbs
Operating mass (incl. ROPS)	22,000 lbs
Module mass (front/rear)	11,000 lbs/11,000 lbs

 Propulsion	
Speed range	0-7.5 mph
Vertical oscillation	±7°
Theor. gradeability	40 %

 Compaction	
Centrifugal force (high/low amplitude)	28,780 lb/18,880 lb
Nominal amplitude (high/low)	0.031 in/0.012 in
Static linear load (front/rear)	167 pli/167 pli
Vibration frequency (high/low amplitude)	3,060 vpm/4,020 vpm
Water tank	180 gal/(233 gal w. opt. watert.)
Water tank (front drum steering)	195 gal

 Engine	
Manufacturer/Model	Cummins QSF3.8 IV/T4f
Type	Water cooled turbo Diesel with After Cooler
Rated power, SAE J1995	97 kW (130 hp) @ 2,200 rpm
Fuel tank capacity	48 gal
DEF tank capacity	4 gal

 Hydraulic system	
Driving	Axial piston pump with variable displacement. Radial piston motors (2) with variable displacement.
Vibration	Axial piston pumps (2) with variable displacement. Axial piston motors (2) with constant displacement.
Steering	Gear pump with constant displacement.
Service brake	Hydrostatic in forward and reverse lever.
Parking/Emergency brake	Failsafe multidisc brake in both drums.

Find us locally at www.dynapac.us

We reserve the right to change specifications without notice. Photos and illustrations do not always show standard versions of machines.
The above information is a general description only, all informations are supplied without liability.

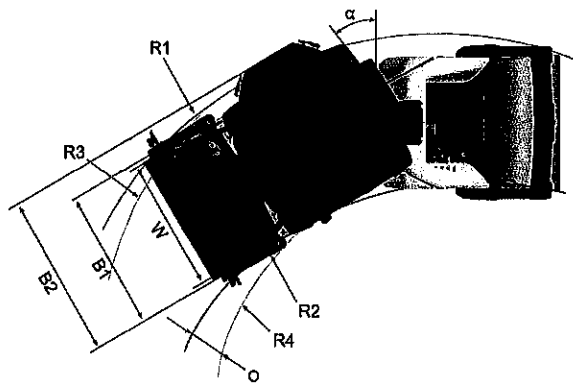
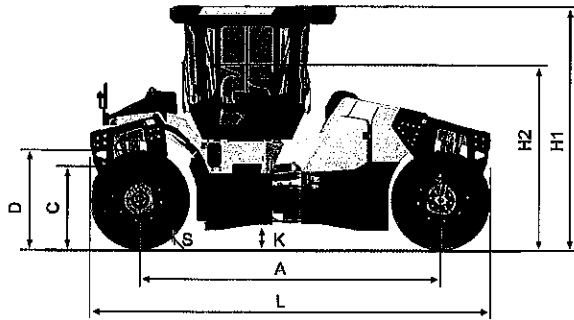
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Dynapac CC4200 VI

Double drum vibratory rollers



Technical data



Dimensions	
A. Wheelbase	148 in
B1. Width, front	75 in
B2. Width, with cab	84 in
C. Curb clearance	32 in
D. Drum diameter	51 in
H. Height, with ROPS/cab	118 in
K. Ground clearance	12 in
L. Length	199 in
O. Off-set	20,6 in
R1. Turning radius, outside	286 in
R2. Turning radius, inside	220 in
R3. Turning radius with off-set, outside	215 in
R4. Turning radius with off-set, inside	149 in
S. Drum shell thickness	0,79 in
W. Drum width	66 in
α . Steering angle	$\pm 32^\circ$

Find us locally at www.dynapac.us

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The above information is a general description only, all informations are supplied without liability.


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APPLICATION

*Experience is the base of
excellence. Dynapac will
always help you to reach
perfection.*

A NEW PERSPECTIVE ON COMPACTION

Sixth generation of Dynapac large asphalt rollers
brings compaction quality to a new level!



The first generation of Dynapac large asphalt rollers, the CC40, was introduced in 1964. Dynapac is now introducing the sixth generation, the CC4000 - CC6200 VI. The machines are extremely operator friendly, offering unmatched ease of operation, excellent maneuverability and highest quality compaction.



Performance

- Electronic Drive Control
- Active front drum steering
- EcoMode
- High vibration frequency
- High efficient eccentrics
- Water System



Visibility

- 1x1 m view
- 255 degree turnable operator station
- Efficient lights for nightwork
- Drum edge, drum surface and sprinkler nozzle visibility



Operator's efficiency

- Good ergonomics
- Low noise
- Easy to understand instrument panel
- Easy to reach daily maintenance points



Serviceability

- Easy to reach daily maintenance points
- Reliable sprinkler system
- Lubrication free articulated joint
- Easy to reach hydraulic hoses
- Dyn@Link



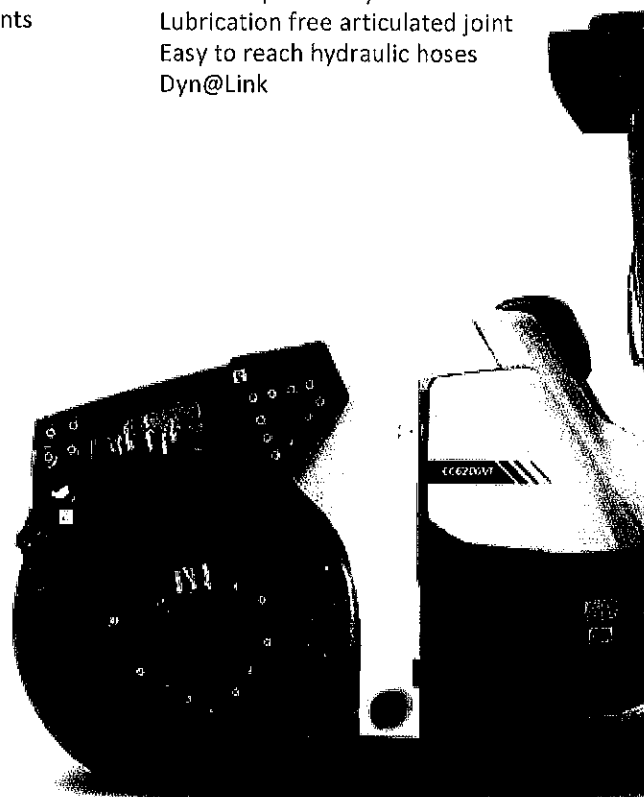
Compaction Control

- Impactometer
- Asphalt temperature meter
- Evib Compaction Meter
- Dyn@Lyzer

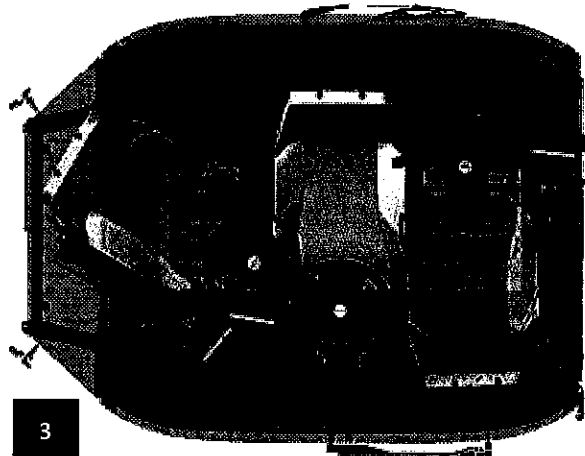
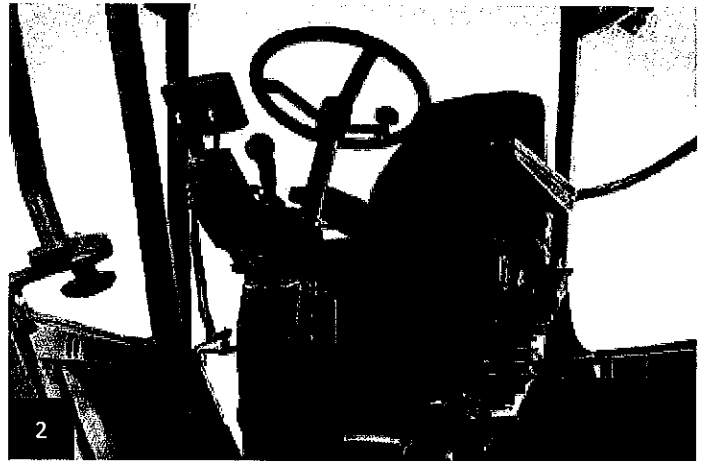
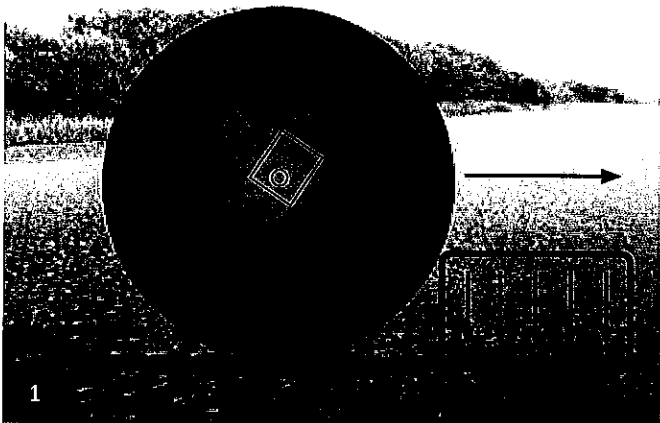


Total Economy

- Automatic idle function
- High efficient eccenters
- EcoMode function
- Dual pump vibration system for higher efficiency



APPLICATION



FAST, EFFECTIVE COMPACTION FOR THIN LAYERS

High vibration frequency compaction has long been an important feature on Dynapac asphalt rollers. Modern thin layers need to be compacted fast because they cool off quickly. A higher amplitude will compact fast but might crush the aggregate material.

In the sixth generation Dynapac continues its successful concept of using high vibration frequency with low amplitude in order to maintain high efficiency on modern thin asphalt layers. This gives very effective compaction for thin layers. The rollers can, of course, also be used for thick layers with high amplitude and a "normal" vibration frequency.

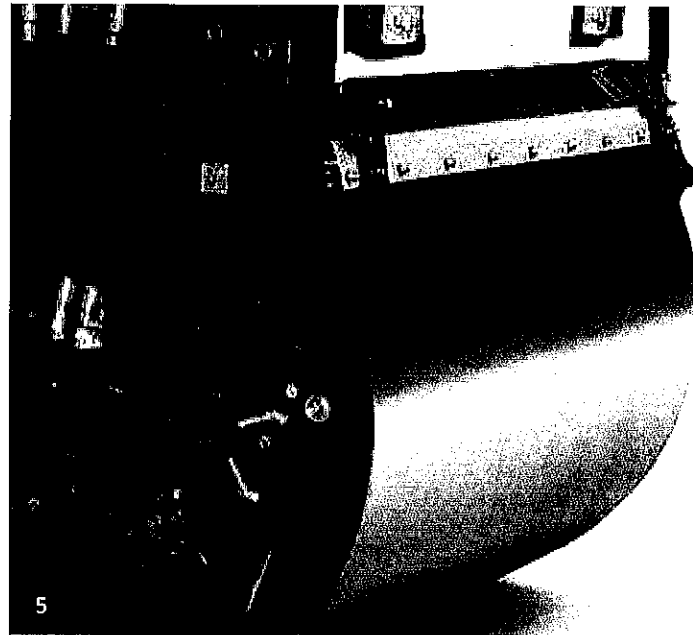
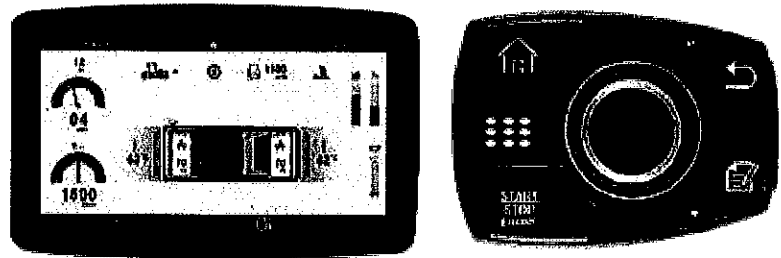
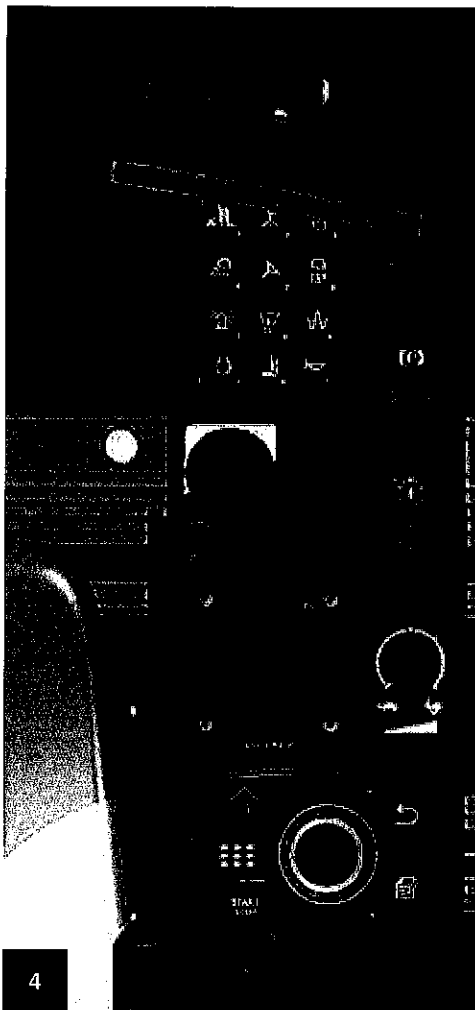
VERSATILE DRIVING POSITION, EXCELLENT VISIBILITY

When designing the new generation Dynapac had, as always, the operator first in mind. The seat and steering module can be swiveled and are slidable from the left side of the roller to the right. This makes it possible for the operator to slide over and see the drum edges in a more ergonomic way.

As an option you can swivel the seat so that the operator is facing fully to the rear, allowing him or her to work with the same good ergonomics on both sides of the roller when moving backwards. This eliminates the limitations of defined forward and reverse working directions.

Together with this option comes the electronic mini-steering wheel that makes it even easier to steer the roller smoothly and accurately, taking the ergonomics and maneuverability to an even higher level.

1. High Vibration Frequency
2. Sliding and swiveling seat and steering module
3. 255 degrees turnable seat and steering module
4. Easy to use controls
5. Joint cutting and pressing



SIMPLER CONTROLS, MORE INTELLIGENT MACHINE

The new instrument panel and controls on the sixth generation were developed with "simplicity" as the key concept. The bigger touch screen ensures maximum visibility and, for those who prefer, there is a display control which can be used instead. The latest technology simplifies roller operation, ensures optimized handling and thus increases the quality of the compaction job.

The start-up procedure is another example of simplicity. Turn the ignition key, set the forward/reverse lever in neutral and push the start/stop button. The machine intelligence takes care of the rest, including pre-heating, and the engine starts when ready. Another feature is the possibility to turn the working lights on and off individually, directly on the display.

COMBINATION ROLLERS

Dynapac CC4200VI and CC5200VI can be ordered in Combi versions to further improve top layer texture. The Combi module is placed rear. Standard equipment includes emulsion sprinkler system, handles and foot-steps for tank filling, quick-release of scrapers and cocoa mats for easy cleaning. Heat covers are available as option.

JOINT CUTTING AND PRESSING

The edge press strengthens the asphalt edge, and can also be equipped with the joint cutting disc for asphalt edge trimming prior to jointing. You can get the edge presser on the front drum, right or left side. It is also possible to get it on the rear drum, left side.

TECHNICAL FEATURES AND BENEFITS DURING COMPACTION



180 DEGREES STANDARD, 255 DEGREES OPTIONAL

The swiveling operator's module allows a 180° (+/- 90°) turn of seat, instruments and levers, keeping the operator in full control. It can also slide from side to side. As an option there is a 255° turning fully eliminating the limitations of defined forward and reverse working directions.

1

VISIBILITY

Full visibility of drum surfaces, sprinker nozzles and drum edges. Optional active front drum steering/ off-set improves the drum edge visibility even more

2

COMPACTION DATA

Compaction data that make the machine versatile. A wide frequency and amplitude range provides optimization for any layer thickness. Eccenters designed for highest efficiency keeps power consumption low at the start-up of vibration

3

BACK-UP SPRINKLER SYSTEM

Back-up sprinker system means less breaks for cleaning of nozzles and includes a backup sprinker pump. All nozzles placed on the outer scraper

4

ACTIVE FRONT DRUM STEERING WITH OFF-SET FUNCTION

Gives very good control on the front drum edges making it possible to follow curbstones and other obstacles with very good accuracy. More than 20.5 in (520 mm) offset for CC4000VI – CC5200VI.

5

WATER CAPACITY

Large water capacity increases the operating time between water refill breaks. Fill-up can be done from both sides.

6

EASY NIGHTWORK

Working lights of LED type is standard which means less maintenance and better visibility also on the drum surfaces. The optional drum edge lights makes nightwork even easier.

7



DYN@LYZER

8

Optional Dyn@lyzer helps you do a perfect job. Full documentation of temperature, compaction Evib value and number of passes.

9

OPERATOR PLATFORM

ROPS and two different cab types are available, always with the sliding and swiveling operator's module plus the optional 255 degrees turning that fully eliminates the limitations of defined forward and backwards working directions. Big full color touch display for max visibility that also can be run with the display control if preferred.

10

LOW EMISSIONS

The fuel efficient Stage IIIA/T3 and Stage IV/ T4 engines can be equipped with optional EcoMode achieving up to 15% reduction in fuel consumption. Automatic idling function is standard working.

11

SERVICE FRIENDLY

Service-friendly, engine compartment with all more frequent check points easy accessible when engine hoods are opened. The location on the rear module reduces noise and heat for the operator.

12

OPTIONAL EDGE PRESSER/ CUTTER

Edge presser tool for better joint binding. We have installed it with best operation visibility in mind.

13

CHIP SPREADER

Optional rear mounted chip spreader. To be used for creating friction on newly laid asphalt.

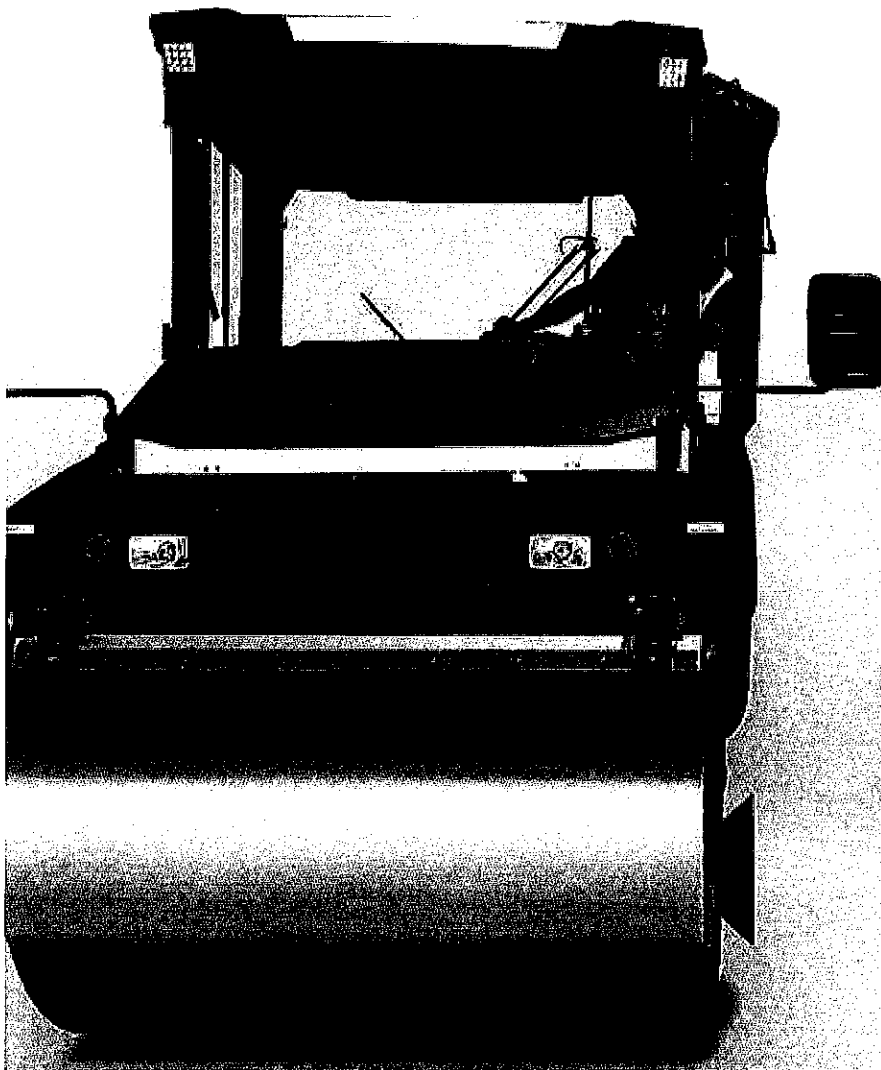
STEERING

ADVANCED STEERING GIVES UNMATCHED MANEUVERABILITY

Much appreciated by machine operators, Dynapac has for some time created offset on its Dynapac asphalt rollers by the unique method of combining articulated steering with a steerable rear drum. On the sixth generation Dynapac has taken it a step further for the CC4000VI-CC5200VI by increasing the offset to 20.5 in (520 mm) and using the front drum for offset for even better driving accuracy.

The increased offset to 20.5 in (520 mm) gives a very small turning radius when used in combination with the steering hitch. It makes it possible to move a larger portion of the machine mass inwards on the road when compacting weak road edges, thus making the roller more stable. It also increases the surface capacity when making the final static passes to get rid of marks in the mat.

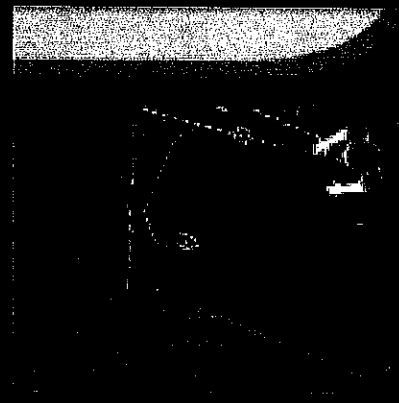
Using the front drum for offset means that the roller operator will have very good control of the front drum edges and can follow a curb or other obstacles with a high degree of accuracy.



20.5 in

EXCELLENT VIEW

Great control over drum edges due to improved visibility



20.5 in

BEST COMPACTION

Better compaction along curbstones and obstacles



WEIGHT NEAR ROAD CENTER

Along weak road edges you can keep the machines weight near road center.

COMPACT POWER ENGINE

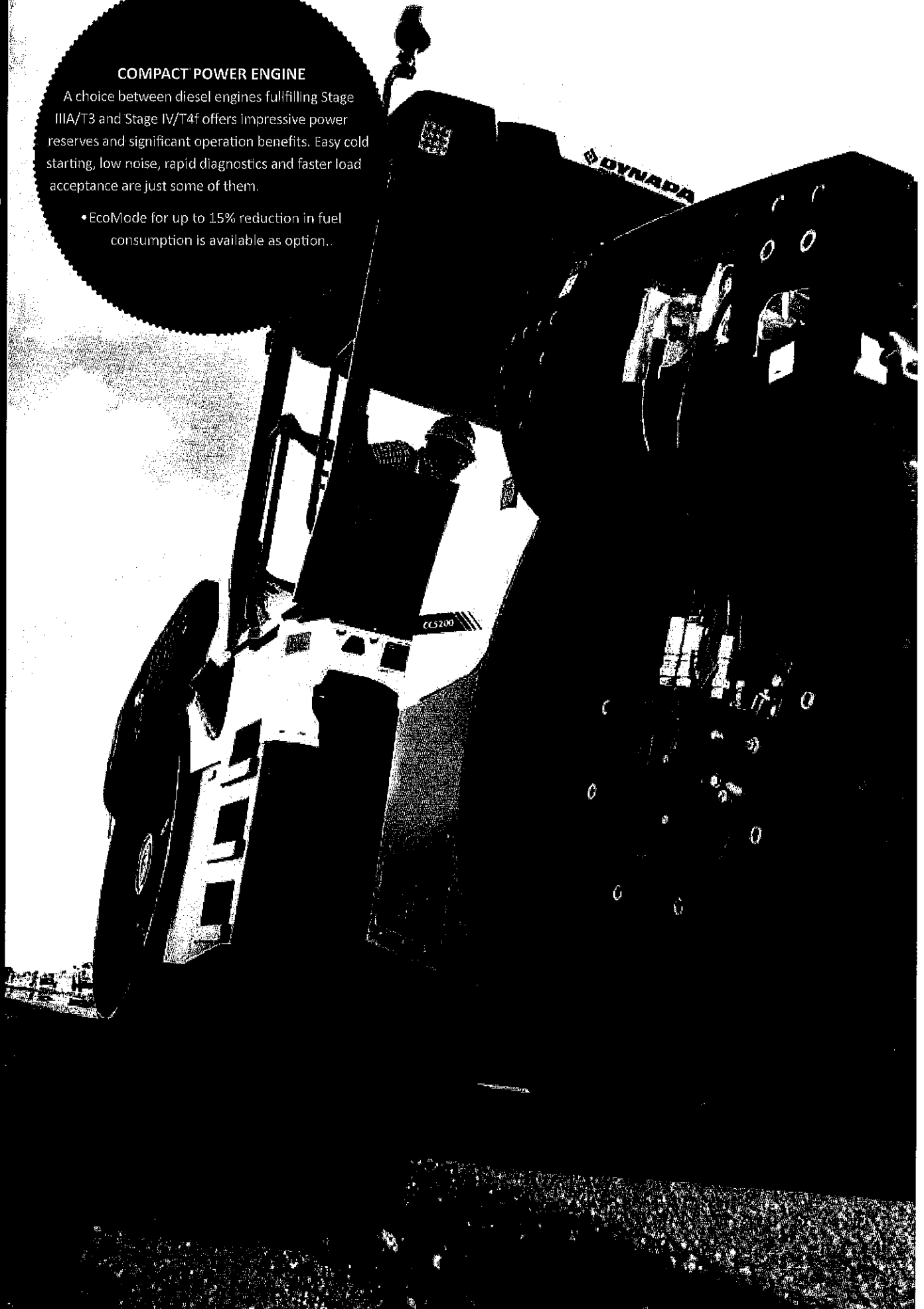
A choice between diesel engines fulfilling Stage IIIA/T3 and Stage IV/T4f offers impressive power reserves and significant operation benefits. Easy cold starting, low noise, rapid diagnostics and faster load acceptance are just some of them.

- EcoMode for up to 15% reduction in fuel consumption is available as option..

5 in (520 mm)

h (520 mm)

t near



COMPACTION CONTROL & DOCUMENTATION SYSTEM

Dynapac's experience in Continuous Compaction Control (CCC) or Intelligent Compaction (IC) dates back to the late 70s. Since then we have been able to offer our customers the opportunity to control the compaction work in real time and to document the completed work for improved quality control.

TWO LEVEL SYSTEM

The DYN@LYZER system is built up in two levels.

The first level is the Compaction Meter, now using EVIB readings for both soil and asphalt:

On asphalt rollers this is supplemented by the Asphalt Temperature Meter. It utilizes two temperature sensors, one at each end of the roller, to register the surface temperature of the asphalt. The temperature is measured by the sensor that is currently at the front depending on the driving direction. This minimizes the influence of surface water from the drum sprinklers.

The second level of the system is the Evib Compaction Meter plus the Dyn@lyzer with GNSS (Global Navigation Satellite System):

This registers all the Compaction Meter data and continuously displays the compaction results to the operator on the computer screen. The data is, at the same time, recorded and saved allowing full traceability and quality assurance. The GNSS receiver (such as GPS, GLONASS, Galileo, etc) gives the precise position of the roller on the job site at all times. The level of accuracy depends on site requirements.

DYN@LYZER FOR ASPHALT

Compaction Documentation

Records and maps in real time:

- Evib Compaction Meter values
- Progress of Compaction Meter values, relative
- Temperature Meter values
- Number of passes
- Supports the roller operator to optimize compaction effort

Analysis of the compaction

- Compaction Meter values (stiffness)
- Progress of Compaction Meter values (progress of stiffness)
- Temperature
- Number of passes
- Statistics and distribution
- Export PDF report and data text file



Facts about the DYN@LYZER

- Multiple machines can be factory prepared. This ensures a cost effective way to prepare a fleet of machines with the DYN@LYZER as they can share DYN@LYZER computer and GNSS equipment for use as required.
- User-friendly, modern user interface
- 11.6" full color touch screen
- Electronic keyboard for entry of data
- Mobile memory for permanent storage
- Several languages to choose from
- Runs on the roller's 24V battery or internal battery
- Tablet weight: 3.1 lbs (1.4 kg)
- 220V adapter for office use
- Rugged tablet, resistant to dust, moisture and vibrations
- In Multi version, office software is included as well as machine-to-machine communication

EcoMode

We are proud to announce that we have fulfilled our promise to offer customers soil and asphalt rollers with very low fuel consumption. The secret is our EcoMode.

We closely monitored the fuel consumption of the new large CC asphalt rollers. As a result, we can now confirm that with optional EcoMode, all the rollers consume up to 15 % less diesel fuel than our previous range without EcoMode.



The entire range of Dynapac 10-13 t tandem rollers have Stage IV/T4f engine alternatives with very low emissions. For less regulated markets we also offer a IIIA engine as an alternative.

When using the ECO-system the percentile saving is higher during compaction than during idling and transportation. Combine the fuel savings with biodegradable hydraulic oil and very low noise levels and the result is "green" rollers.

WHAT MORE DID WE DO TO REDUCE THE FUEL CONSUMPTION?

The answer is hard work both with major components and with small details. Here are some examples:

- Double pump vibration system
- Reduced number of hydraulic hose fittings
- Proportional control of cooler fan speed with regards to engine coolant and hydraulic oil temperatures
- Automatic idling of the diesel engine after 10 seconds in neutral

CONNECTING TO THE FUTURE

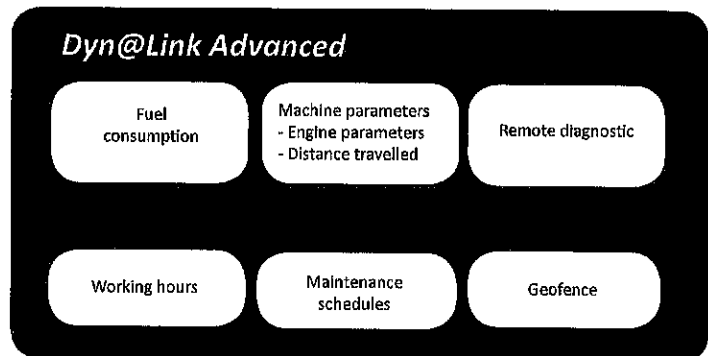
With the introduction of Dyn@Link Advanced as standard, Dynapac provides customers with a tool to monitor and manage their machine fleet efficiently and conveniently. The intelligent telematics system offers many possibilities to optimize fleet usage, to reduce maintenance costs and to save time and money.

ALL MACHINE INFORMATION AT A GLANCE

All machines, together with important information such as position, fuel and Ad-blue levels, service status and map view, are listed on the dashboard. Thanks to the online portal and the Dyn@Link app, users can access this information from anywhere and at any time.

CUSTOMIZE THE TOOL

The user-friendly webpage is easy to learn and the various filters and personal setting options for graphs and tables allow you to adapt the webpage to your individual requirements.



The systems include the hardware with sim-card, webpage access and a 36-month data connection package, which can be extended after 3 year.

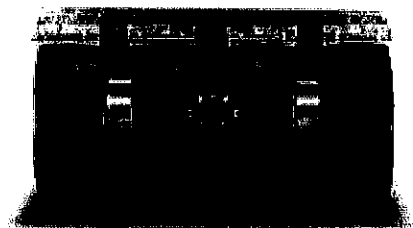
SPECIFICATIONS

1. MACHINE TYPES ▶

Standard drums

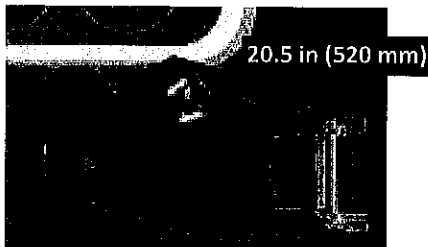


Combi

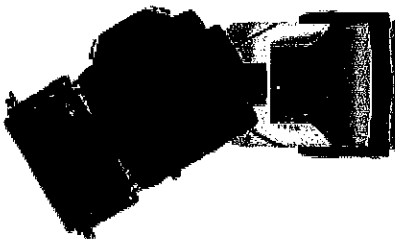


2. STEERING ▶

Active front drum
steering with offset
CC4000VI – CC5200VI



Standard steering

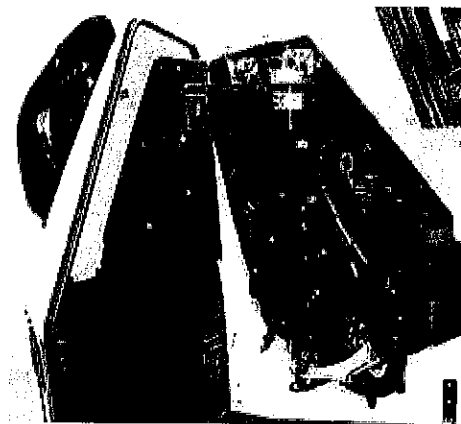


3. ENGINES ▶

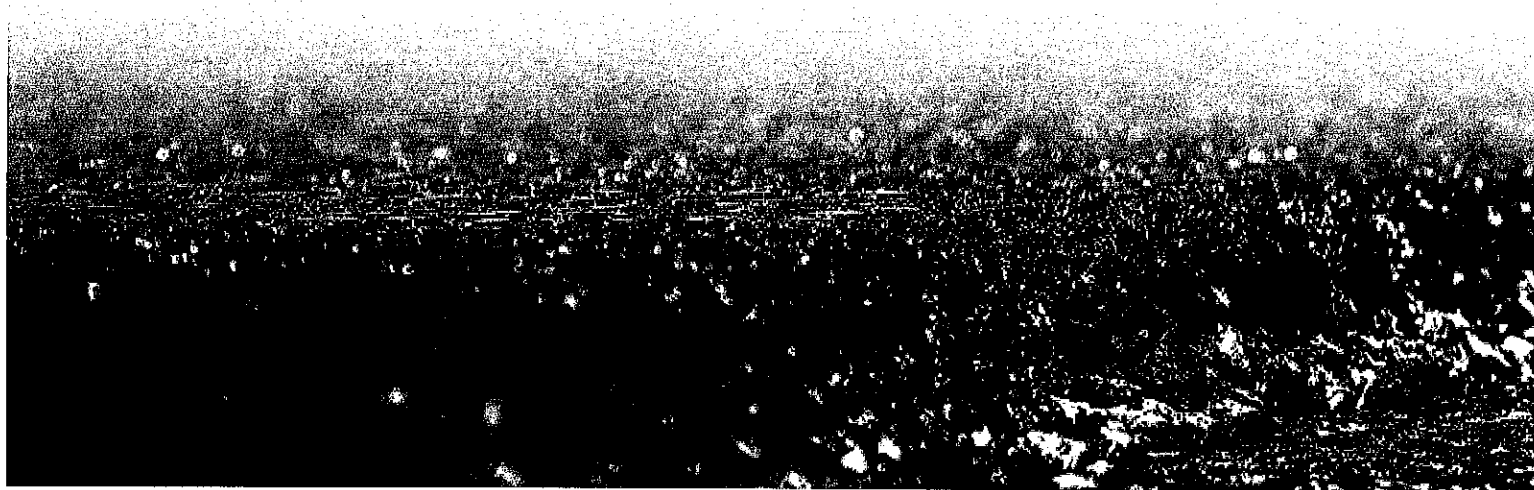
IIIA/T3 or IV/T4f



Engine compartment - left side



Engine compartment - right side

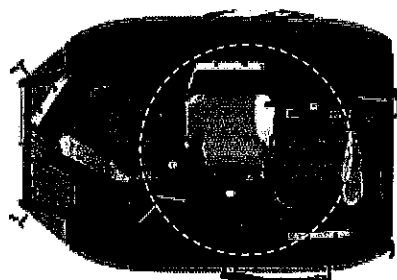


4. OPERATOR'S PLATFORM

180° swiveling operator's platform

or

255° swiveling operator's platform including electric mini steering wheel



Asymmetric cab

5. OPERATOR'S PLATFORMS FEATURES

Asymmetric comfort cab

ACC
Asphalt temp meter with dual sensors
Operator's seat, luxury
Radio with bluetooth
Integrated ROPS
Operators station, sliding and rotating
Seat belt 3"
Heating system
Frequency meter/ impactometer
3 speed fan system with filter
Floor mat
Lights working, LED
Panel covers, interior
Inner roof: Noise absorbing
Internal rear view mirror
Hooks: Two
Charger socket: One 24V & one 12V
Interior light
Steering wheel: Adjustable
Storage: Panels and netbag
Cup and can holder
Tinted safety glass
Openable side windows
Wipers and washers:
Front/rear also on the asymmetric part
Rotating beacon
Rear view mirrors, process view

Rops platform

Asphalt temp meter with dual sensors
Roll over protection structure
Floor mat and anti-slip
Panels: Back cover
Lights working, LED
Charger socket: One 24V & one 12V
Steering wheel: Adjustable
Frequency meter/ impactometer
Storage: Integrated in panel
Operators station, sliding and rotating
Operator's seat, suspension
Seat belt 3"
Hooks: Two
Vandal cover
Rotating beacon
Lunch box holder

Selectable options:

Rear view mirrors/ traffic

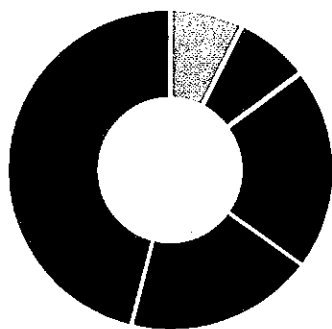
6. OPTIONS

Biodegradable hydraulic fluid
Chipsreader (Only for CC4000 VI- CC5200 VI)
Edge press,
- single, right front
- dual, front right and front left
- dual, right front and left rear
Evlb Compaction Meter
First Aid Kit
Joint cutter disc, 80/150mm
Lights drum edge
Special color
Tool set
One extra watertank (standard on
off-set/active front drum steering rollers)
Water tank cover, lockable
Service kit 50/500/1000 h
Decal risk location (GOST)
Lights, direction, side mounted
Lights, driving (left or right hand)
Lights, licence plate
Steering, emergency
Slow moving vehicle sign
Rotating beacon, ignition controlled
Heat cover wheel (for Combi only)
Dyn@Lyzer
Tachograph
Tachograph prep.
Fire extinguisher



COST CONTROL THAT SAVES BIG

Being active in the Road Construction business requires considerable investment. Every square meter involves an operational cost composed of fixed costs such as interest on equipment acquired, labor costs, insurance and equipment depreciation, but also variable costs such as expenses for fuel, wear and maintenance.



Wear cost

Since Dynapac always uses high-quality wear parts, the time that is needed to change them can be kept to a minimum. Customers who use Dynapac spare parts will improve reliability and protect their investment.

Operator cost

The operator is always a very big part of the total cost. Operators using Dynapac equipment will enjoy good ergonomics and easy-to-operate equipment.

Investment cost

The purchase price is often only a relatively small part of the total cost. Dynapac rollers and pavers maintain a high value throughout their working life, which is good to know if you ever want to sell it.

Maintenance cost

All road construction equipment need regular check-ups such as change of oils and filters. Dynapac always strives to use components that require as little maintenance as possible.

Fuel cost

Fuel expenses can make up a large part of your total cost. Since Dynapac rollers and pavers are equipped with a very efficient hydraulic system, your fuel cost can be kept at a low level.

SERVICE COMMITTED TO YOUR FUTURE

WHAT?

GENUINE PARTS AND KITS

- Preventive maintenance kits
- Genuine Filters
- Fluids and lubricants
- Wear and repair kits
- Upgrade Kits

SERVICE

- Right competence
- Training program
- Inspection & service program
- Extended Warranty & Service Agreement

CONSUMABLES

- Road Milling
Tools (bits)

HOW?

GLOBAL DISTRIBUTION NETWORK

Always close to you

DYNAPAC.COM

- Kit selector
- Fluid selector
- Shop Online

DYN@LINK

- Manage your fleet
- Timely interventions
planned with service
alerts

PREVENT THE COST OF A BREAKDOWN

REGULAR MAINTENANCE PREVENTS COSTLY STANDSTILLS.

Equipment breakdowns have a direct impact on your productivity. No production means no revenue, but the fixed costs stay the same, resulting in lower profitability. By avoiding breakdowns and increasing the reliability of your machine, you will be able to produce more per year, which will immediately improve your profitability.

PREVENTIVE MAINTENANCE KITS

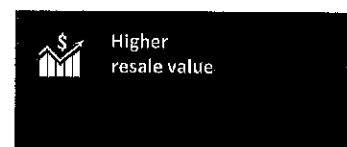
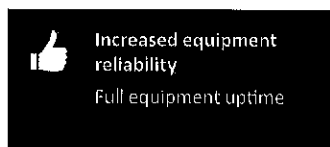
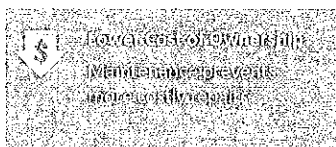
PREVENTIVE MAINTENANCE KITS

All in one box and tailored to match your equipment. Easy to obtain and attractively priced, our preventive maintenance kits contain all the parts required for the equipment's scheduled maintenance program. When installed by one of our certified technicians, you keep equipment downtime to a minimum and its uptime to a maximum throughout its working life.

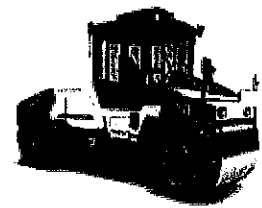
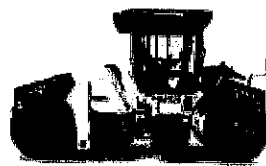
PREVENTIVE MAINTENANCE PAYS BACK

Equipment needs preventive maintenance that demands

- Timely intervention to avoid expensive breakdowns
- High quality maintenance also means higher resale value (residual value)



TECHNICAL DATA



DYNAPAC ASPHALT TANDEM ROLLERS

	CC4000 VI	CC4000C VI	CC4200 VI	CC4200C VI	CC5200 VI	CC5200C VI	CC6200 VI
Drum width, in/mm	66 / 1680	66 / 1680	66 / 1680	66 / 1680	77 / 1950	77 / 1950	84 / 2130
MASSES							
Operating mass, lbs/ kg (incl. ROPS)	21 388 9 700	20 300 9 200	22 050 10 000	20 700 9 400	26 020 11 800	22 700 10 300	27 340 12 400
TRACTION							
Speed range, mph / km/h	0-7.5/0-12	0-7.5/0-12	0-7.5/0-12	0-7.5/0-12	0 - 7/0 - 12	0-7.5/0-12	0-7.5/0-12
Vertical oscillation	±7°	±7°	±7°	±7°	±7°	±7°	±7°
Theor. gradeability	45 %	46 %	40 %	41 %	34 %	35 %	32 %
COMPACTION							
Centrifugal force, lb kN high/low amplitude	25 425/16 650 113/74	25 425/16 650 113/74	28 800/18 900 128/84	28 800/18 900 128/84	32 400/20 925 144/93	32 400/20 925 144/93	35 325/ 23 175 157/ 103
Nominal amplitude, in, mm high/low	0,031/0,012 0.8/0.3	0,031/0,012 0.8/0.3	0,031/0,012 0.8/0.3	0,031/0,012 0.8/0.3	0,031/0,012 0.8/0.3	0,031/0,012 0.8/0.3	0,031/0,012 0.8/0.3
Static linear load, pli kg/cm (front/rear)	162/162 28.9/28.9	162 28.9	167/167 29.8/29.8	167 29.8	170/170 30.3/30.3	170 30.3	163/163 29.1/29.1
Vibration frequency, vpm Hz high/low amplitude	3060/4020 51/67	3060/4020 51/67	3060/4020 51/67	3060/4020 51/67	3060/4020 51/67	3060/4020 51/67	3060/4020 51/67
Water tank, gal liters	185/238 700/900	185 + 53 700+200	185/238 700/900	185 + 53 700+200	224/277 850/1050	224+53 850+200	224/277 850/1050

3492100793 - January 2018

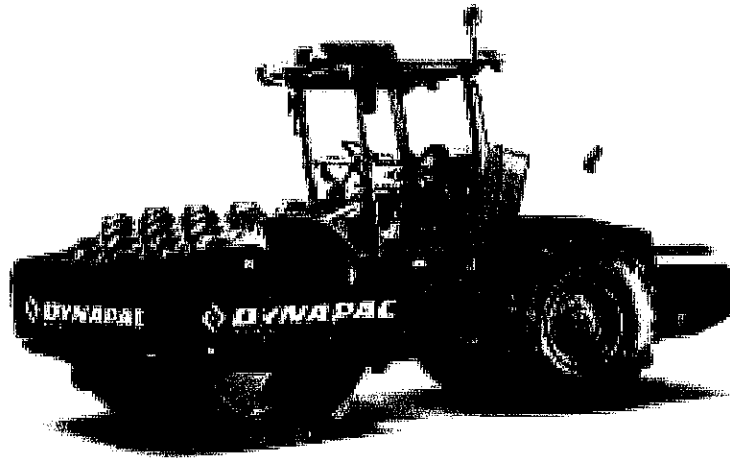
Your Partner on the Road Ahead



Dynapac North America LLC
1059 Paragon Way, Rock Hill, SC 29730
Phone: (800) 651-0033 - Fax: (803) 753-9612
www.dynapac.us

Quote Id: 17405495

Prepared For:
JEFFERSON COUNTY PURCHASING



Prepared By: **PATRICK NICKERSON**

Doggett Heavy Machinery
9111 North Freeway
Houston, TX 77037

Tel: 713-679-6700

Fax: 713-674-0305

Email: patrick.nickerson@doggett.com

Offer Expires: 29 June 2018

Confidential

Quote Summary

Prepared For:
JEFFERSON COUNTY PURCHASING
1149 Pearl St
Beaumont, TX 77701

Prepared By:
PATRICK NICKERSON
Doggett Heavy Machinery
9111 North Freeway
Houston, TX 77037
Phone: 713-679-6700
patrick.nickerson@doggett.com

Quote Id: 17405495

Expiration Date: 29 June 2018

Equipment Summary	Suggested List	Selling Price	Qty	Extended
DYNAPAC CA-3500-PD	\$ 162,243.00	\$ 149,400.00 X	1 =	\$ 149,400.00
John Deere Extended Warranty-36 Month 3000 Hour EPIC Warranty		\$ 0.00 X	1 =	\$ 0.00

Equipment Total **\$ 149,400.00**

Trade In Summary	Qty	Each	Extended
CAT CB534-C	1	\$ 4,000.00	\$ 4,000.00
PayOff			\$ 0.00
Total Trade Allowance			\$ 4,000.00

Trade In Total **\$ 4,000.00**

Quote Summary

Equipment Total	\$ 149,400.00
Trade In	\$ (4,000.00)
SubTotal	\$ 145,400.00
Total	\$ 145,400.00
Balance Due	\$ 145,400.00

Salesperson : X _____

Accepted By : X _____



Selling Equipment

DOGGETT

Quote Id: 17405495

Customer: JEFFERSON COUNTY PURCHASING

DYNAPAC CA-3500-PD				
Hours:	0			Suggested List
Stock Number:				\$ 162,243.00
				Selling Price
				\$ 149,400.00
Code	Description	Qty	Unit	Extended
CA3500PD	Dynapac CA3500PD Single Drum Roller	1	\$ 159,813.00	\$ 159,813.00
Service Agreements				
	John Deere Extended Warranty - 36 Month 3000 Hour EPIC Warranty	1	\$ 0.00	\$ 0.00
	Service Agreements Total			\$ 0.00
Other Charges				
	Freight	1	\$ 1,450.00	\$ 1,450.00
	Setup	1	\$ 580.00	\$ 580.00
	Local Delivery	1	\$ 400.00	\$ 400.00
	Other Charges Total			\$ 2,430.00
	Suggested Price			\$ 162,243.00
Customer Discounts				
	Customer Discounts Total		\$ -12,843.00	\$ -12,843.00
Total Selling Price				\$ 149,400.00



Extended Warranty Proposal

DYNAPAC CA-3500-PD

Machine/Use Information		Plan Description	Price	
Manufacturer	DYNAPAC	Application	Deductible	
Equipment Type	CA-3500-PD	Coverage	List	\$ 0.00
Model	CA-3500-PD	Total Months		
Country	US	Total Hours		

Extended Warranty is available only through authorized John Deere Dealers for John Deere Products, and may be purchased at any time before the product's Standard Warranty, or Extended Warranty expires.

Extended Warranty Proposal Prepared for:

I have been offered this extended warranty and

Customer Name - Please Print

☒ I ACCEPT the Extended Warranty

☐ I DECLINE the Extended Warranty

Customer Signature

If declined, I fully understand that any equipment listed above is not covered for customer expenses due to component failures beyond the original basic warranty period provided by John Deere.

Note : This is not a contract. For specific Extended Warranty coverage terms and conditions, please refer to the actual Extended Warranty contract for more information and the terms, conditions and limitations of the agreement.

What Extended Warranty is :

The Extended Warranty Program is for the reimbursement on parts and labor for covered components that fail due to faulty material or original workmanship that occur beyond the John Deere Basic Warranty coverage period. The agreement is between Deere & Company and the owners of select John Deere Construction and Forestry equipment, who purchase the Extended Warranty Plans for the desired coverage as indicated in this proposal.

What Extended Warranty is not :

Extended Warranty is not insurance. It also does not cover routine maintenance or high wear items, or insurance-related risks/perils such as collision, overturn, vandalism, wind, fire, hail, etc. It does not cover loss of income during or after an equipment failure. See the actual product-specific Extended Warranty agreement for a complete listing of covered components, and limitations and conditions under the program.

Features/Benefits:

- Extended Warranty includes the following features and benefits under the program :
- Pays for parts and labor costs incurred on failed covered components (less any applicable deductibles),
- Does not require pre-approval before repairs are made by the authorized John Deere dealership,
- Payments are reimbursed directly to the dealership with no prepayment required by the contract holder.

Bid Item 4: Single Drum Padfoot Roller

One (1) BOMAG Model: BW211PD-5 84" Single Drum Padfoot Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Single Drum Padfoot Roller is to be complete with All Standard Equipment including Magnetic Flashing Beacon.

For full technical specifications for this bid item, see APPENDIX D.

Warranty term for this equipment (included, without additional cost) should be at least: One (1) calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade-In: Jefferson County will be trading in a used and **flood-damaged** BOMAG BW213DH-40 (SN: 901582561088) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 4: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 47-48).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 49).

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

NA Operating weight should be at least 28,109 lbs 27,300

NA Transmission: (4) Gears Hydrostatic

✓ Motor: 2-wheel drive

2 Vibration Settings: (4)

✓ Idle Speed Controller

✓ No grease nipples

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

✓ ECOMODE
(adjusts the engine speed to respective power requirements to save 30% less fuel consumption)

✓ Warning, information and operation displays with LCD

✓ Loading mode

✓ Noise insulation

✓ Hydrostatic travel and vibration drive

✓ Hydrostatic articulated steering

✓ Articulated joint lock

✓ Rear axle with twin spring accumulator brakes

✓ No-spin differential lock

✓ Warning horn

✓ Single lever control for travel and vibration

✓ Seat with arm rest and adjustable for position and height

✓ (2) Scrapers

✓ Emergency STOP

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Back-up alarm
- ☒ Working lights front/rear
- ☒ Sliding window — CAB UNIT ONLY ?
- ☒ Battery disconnect switch

OPTIONAL EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ ROPS/FOPS with safety belt
- ☒ BOMAG ECOSTOP Feature (shuts down the engine automatically depending on temperatures, charging condition, etc.)
- ☐ Indicator and hazard lights
- ☒ Rotary beacon
- ☒ Environmentally compliant hydraulic oil
- ☒ Measuring-and-machine data interface for third-party suppliers

Dynapac CA3500PD

Single drum vibratory rollers



Technical data



Masses

Operating mass (incl. ROPS)	26,200 lbs
Operating mass (incl. Cab)	26,500 lbs
Module mass (front/rear)	16,800 lbs/9,700 lbs
Max. operating mass	27,300 lbs



Dimensions

Drum width	84 in
------------	-------



Propulsion

Speed range	3-7 (mph)
Vertical oscillation	±8°
Tire size (8 ply)	23,1 x 26 TR
Theor. gradeability	57 %
Number of pads	130
Pad height	4 in
Pad area	22.6 in ²



Compaction

Nominal amplitude (high/low)	0.071 in/0.039 in
Vibration frequency (high/low amplitude)	1,800 vpm/1,800 vpm
Centrifugal force (high/low amplitude)	58,450 lb/33,720 lb



Engine

Manufacturer/Model	QSF3.8 (IV/4final)
Type	Water cooled turbo Diesel
Rated power, SAE J1995	97 kW (130 hp) @ 2,200 rpm
Fuel tank capacity	72 gal
DEF tank capacity	5 gal



Engine

Manufacturer/Model	Cummins QSB4.5 (IIIA/3)
Type	Water cooled turbo Diesel
Rated power, SAE J1995	97 kW (130 hp) @ 2,200 rpm



Hydraulic system

Driving	Hydrostatic
Vibration	Hydrostatic
Steering	Hydrostatic
Service brake	Hydrostatic in forward and reverse lever.
Parking/Emergency brake	Failsafe multidisc brake in drum gear box and in rear axle.

Find us locally at www.dynapac.us

We reserve the right to change specifications without notice. Photos and illustrations do not always show standard versions of machines.
The above information is a general description only, all informations are supplied without liability.

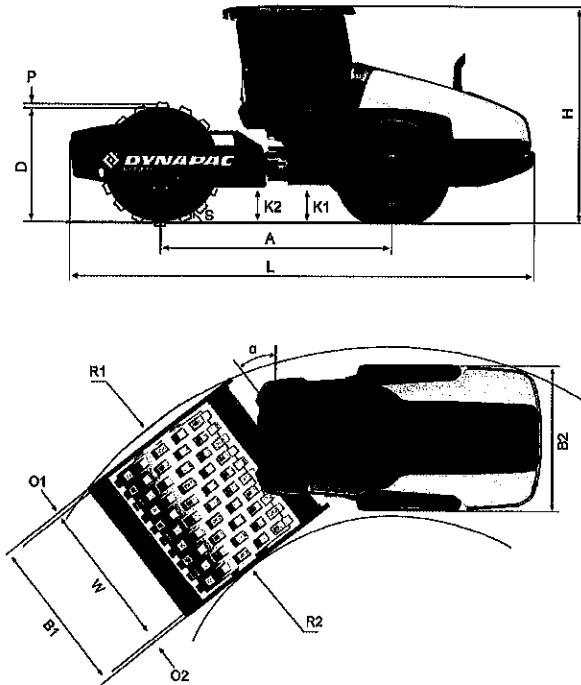
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Dynapac CA3500PD

Single drum vibratory rollers



Technical data



Dimensions	
A. Wheelbase	118 in
B1. Width, front	91 in
B2. Width, rear	84 in
D. Drum diameter	59 in
H1. Height, with ROPS/cab	117 in
H2. Height, w/o ROPS/cab	84 in
K1. Ground clearance	18 in
K2. Curb clearance	18 in
L. Length	236 in
O1. Overhang, right	3 in
O2. Overhang, left	3 in
P. Pad height	4 in
R1. Turning radius, outside	18 ft
R2. Turning radius, inside	11 ft
S. Drum shell thickness	0.98 in
W. Drum width	84 in
α . Steering angle	$\pm 38^\circ$



Standard equipment

- 24V outlet socket, operator's platform
- Automatic vibration control
- Back up alarm
- Brake release
- Cross Mounted Engine
- Combi cooler with Hydraulically driven fan
- Display: Engine temp, Fuel level, Hydr. temp, Speedometer, Tachometer, Voltage
- Dual speed drum and axle motors
- Emergency stop
- Filler cap inside lockable hood
- Hydraulic checkpoints
- Parking brake
- Shock mounted platform
- Steering wheel, adjustable
- Suspension seat, swivelling
- Storage Compartment
- Traction Control Package w/tilt indicator and speed limiter
- Vandal cover
- Warning lights: Air cleaner, Brake, Clogged hyd. fluid filter, Engine oil pressure/temp, Hyd oil temp, Low charge, Low fuel
- 1m X 1m Visibility
- Zero spill oil & coolant change

Find us locally at www.dynapac.us

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APPLICATION

PRESENTING THE COMPLETE DYNAPAC SOIL COMPACTOR RANGE

These machines and their variants, are the fifth generation of Dynapac CA single drum vibratory rollers. With their state-of-the-art designs and unique features, they represent yet another example of Dynapac's innovative thinking.



OPTIMIZED PARAMETERS

Provide superior compaction performance.



LOW NOISE AND LOW FUEL CONSUMPTION

Sustainability and working environment in focus.



ACTIVE BOUNCING CONTROL

Prevents misuse to the machine and over-compaction.



MISSION CONTROL

Puts you in full control of the entire compaction process.



CROSS-MOUNTED ENGINE

A revolution in serviceability.

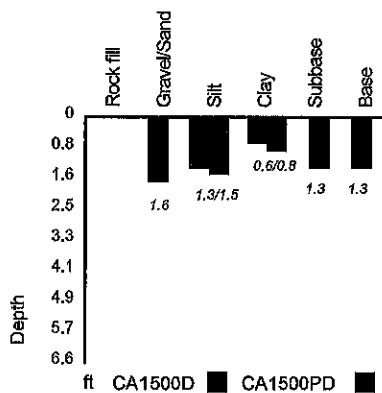




DYNAPAC CA1300, CA1400, CA1500

The small Dynapac soil compactors are vibratory rollers designed for compaction operations in pipe trenches, compacting roads, streets and parking lots. Due to the small size and exceptional maneuverability, these rollers are also well suited for compaction of large building foundations and industrial construction sites and in cramped spaces in connection with refilling work. The rollers are also suitable for repair work and gives good maneuverability even on very steep slopes. All types of supporting and reinforcement courses can be compacted.

The PD version, equipped with pads and drum drive, is especially suitable for the compaction of silt and clay soils.



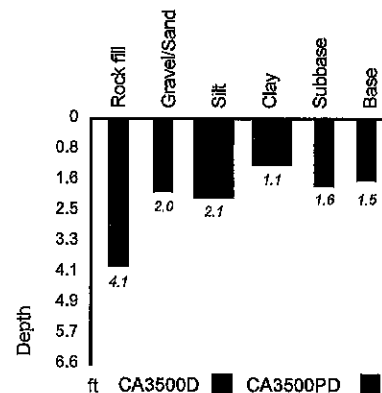
Operating mass	5000 - 7000 Kg (11,000 - 15,500 lbs)
Static linear load	13 - 20 kg/cm (73 - 115 pli)
Drum width	1370 - 1676 mm (54 - 66 in)

DYNAPAC CA2500; CA3500

The Dynapac CA2500 - CA3500 are medium heavy vibratory soil compactors, typical utility machines, designed for long working days in tough applications. All types of base courses and reinforcement courses can be compacted to considerable depth.

The 1.37 inch (35 mm) hitch drum ensures excellent resistance to wear - even in compaction operations on rockfill.

The padfoot version has it's major range of application on cohesive material and disintegrated rock. All types of base courses and sub-base courses can be compacted.



Operating mass	10 000 - 15 000 Kg (22,000 - 33,000 lbs)
Static linear load	25 - 40 kg/cm (140 - 225 pli)
Drum width	2 130 mm (84 in)

SCIENCE IN COMPACTION

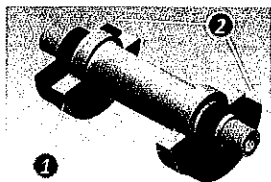
PREPARATION - COMPBASE SOFTWARE

CompBase is the only recommendation tool in the industry that can provide detailed compaction data and capacity information based on full-scale tests. The machine and method selection is based on the material to be compacted and provides information on the expected depth effect and degree of compaction after any given number of passes. In addition to this; CompBase recommends suitable amplitude and rolling speed for optimum performance.

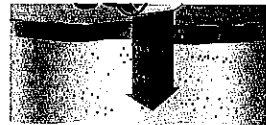
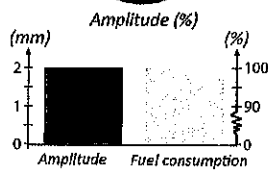
PERFORMANCE - DYNAPAC COMPACTION OPTIMIZER (CA3500)

We all know that the whole idea with compaction is to reach the correct set of parameters for the type of work in question. There is no point in overdoing anything – it only costs time and fuel, without improving the final result. Dynapac Compaction Optimizer, DCO, is an innovative system based on the well-proven compaction meter. The stiffness of the ground constitutes the input value for the setting of amplitude of the vibratory drum. The operator gets full control and the project benefits from this in every respect.

Soft ground

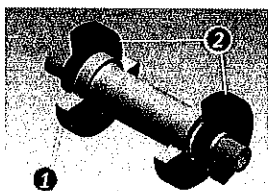


When the adjustable weight (2) is rotated so that it goes to the position shown in the picture above there is an amplitude of 100%.

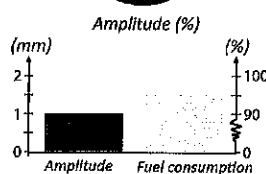


All the dynamic energy from the drum can be absorbed by the ground.

Hard ground

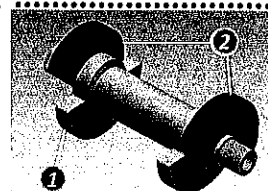


When the adjustable weight (2) is rotated so that it is in the position shown in the picture above there is an amplitude of 50%.

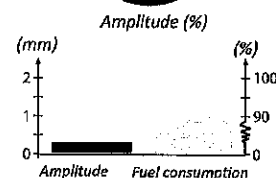


The drum readjusts so that less dynamic energy is supplied to the ground from the drum.

Final compaction



When the adjustable weight (2) is rotated so that it is in the position shown, there's a minimum amplitude so that the forces almost balance each other out.



The drum is reset so that there is only a very small amount of dynamic energy supplied to the ground.

PROTOCOL - DYN@LYZER FOR SOIL WITH GNSS

In all projects it is vital to do the right thing - and to do things right. Also in compaction, solid documentation is worth a lot more than spot checks and guesswork. Dyna@Lyzer, includes a field computer which is fed continuously with measurement data – not just random checks. The operator reads the results in real-time and can easily reach top performance from the beginning. The Dyna@Lyzer is a unique Dynapac feature that improves the result of every job. A real profit maker. The results of the compaction are shown directly on the screen of the portable Dyna@Lyzer unit. The measurement values can easily be transferred to a desktop computer.

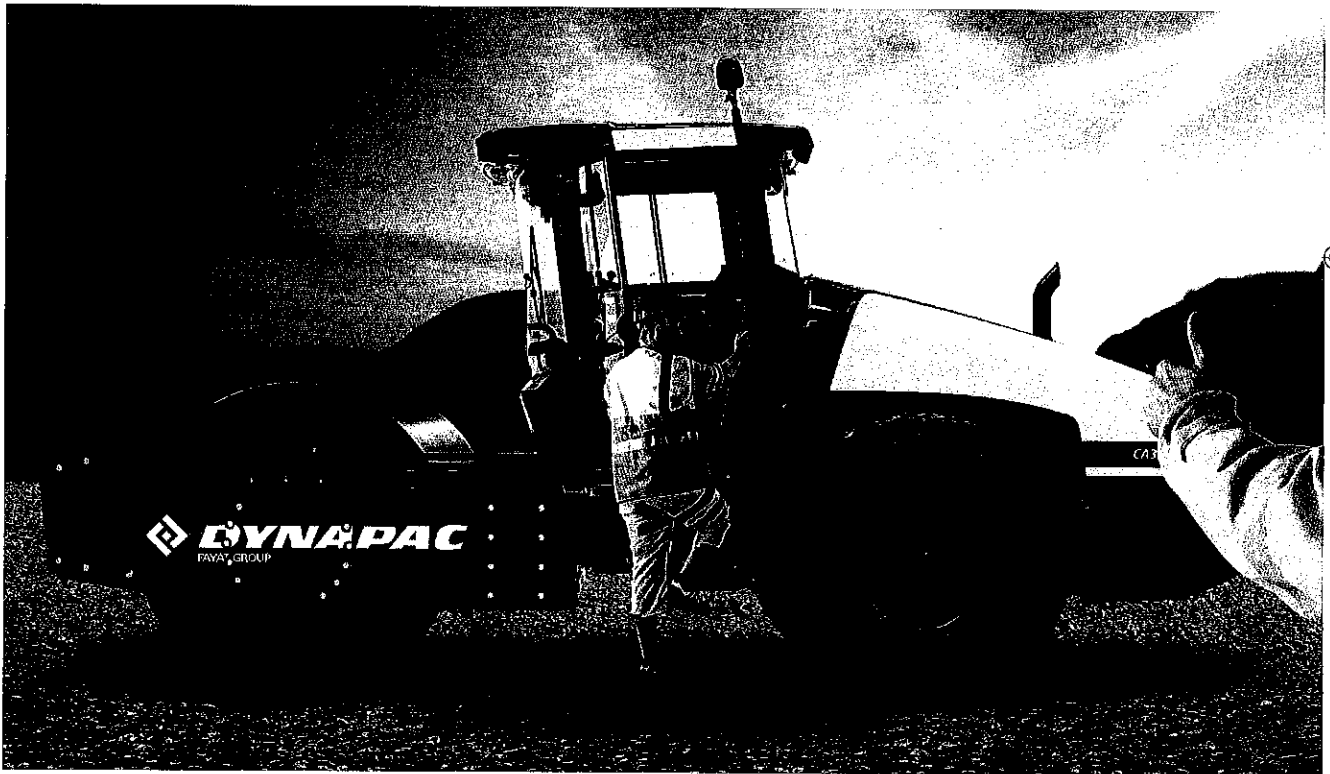
PLANNING FOR EFFICIENCY AND ECONOMY

MAP GROUND CONDITION

Map the ground condition and the material to be compacted. If your CA roller is equipped with a Compaction Meter with Dyna@Lyzer (with GNSS), you can run the machine over the area in advance. This will give you a chart showing ground condition and material to be compacted, at the same time revealing weak areas before you start rolling.

SELECT MACHINE AND COMPACTION STRATEGY

Dynapac CompBase software bases the selection of machine and method on the material to be compacted. The software provides information on the expected depth effect and degree of compaction after any given number of passes. CompBase also recommends suitable amplitude settings and rolling speed for optimum performance. This saves fuel and reduces environmental impact.



TOOL: DYNAPAC COMPBASE SOFTWARE

MAP GROUND CONDITION, MATERIAL
& COMPACTION SPECIFICATIONS
SELECT MACHINE & COMPACTION STRATEGY
CALCULATE COMPACTION ACHIEVEMENT
OPTIMIZE YOUR PRODUCTIVITY

PERFORMANCE

FEEDBACK ON PROGRESS AND POSITION

Your fifth generation Dynapac CA soil compactor is warmed up and ready to roll. Start compacting and the Dynapac CA roller, with Compaction Meter and Dyna@Lyzer, gives you continuous information on the increase in compaction and reveals weak areas. Compaction results are displayed on the computer screen, allowing you to focus the compaction energy on the ground surfaces that need additional compaction. The screen also displays the position of the roller in relation to a selected reference line for the section, so you always know precisely where you are.

SUPERIOR COMPACTION PERFORMANCE

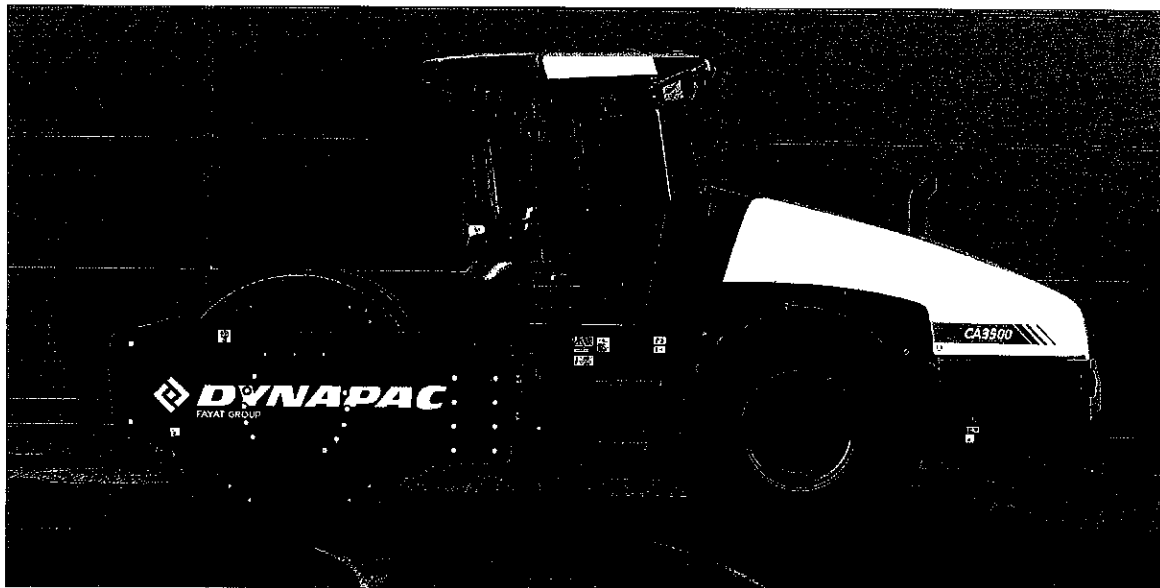
The new CA rollers have static linear loads in steps of 28 pli (5 kg/cm). This, combined with an optimum high amplitude, enables you to compact rockfill down to 5.2 ft (1,45 m) with a

Dynapac CA3500D. The better depth effect means higher volume capacity and less passes to reach compaction specifications, thus saving fuel and reducing cost. Environmental impact is also lower. If the roller is equipped with the Dynapac "Silent Weights" eccentric concept, this enhances compaction performance even further.

ACTIVE BOUNCING CONTROL (ABC)

This feature on the new CA generation prevents damage and prolongs the lifetime of the roller by eliminating drum double jump, or over-compaction – an action that can destroy components in the machine. ABC is standard in Dynapac Compaction Meters.

With ABC the machine never will work in bouncing and second-hand value will be secured.



Tools: A fifth generation Dynapac CA soil compactor, equipped with Compaction Optimizer, incorporating Compaction Meter and Dyna@Lyzer with GNSS (optional).

STATIC LINEAR LOADS 196 lb/in (73 kg)

AMPLITUDE UP TO 0.079 in (2.1 mm)

ERGONOMICALLY DESIGNED CAB

CONTINUOUS OPERATOR FEEDBACK

ADVANCED SAFETY FUNCTIONS

LOW FUEL CONSUMPTION AND ENVIRONMENTAL IMPACT

THE MACHINE TAKES THE STRAIN

The ergonomically designed, air-conditioned cabs on the new generation offer a high level of operator comfort and good visibility over the work area and surroundings. The noise level from the engine is very low. A feature unique to Dynapac CA rollers is a spin-around seat, steering module and display cluster, which allows movement of up to 180 degrees without stress to the neck or body.

SAFETY FIRST

Safety functions include Electronic Drive Control with a "quick brake" function, which shortens braking distances if the lever is moved very fast, and a tilt indicator. Loss of traction, even in the toughest conditions, is swiftly counteracted by an easy-to-use toggling gear shifting system, or with an anti-spin system.

LOWER FUEL CONSUMPTION AND ENVIRONMENTAL IMPACT

The engines can have the Dynapac EcoMode fuel saving system that minimizes fuel consumption and CO₂ emissions by ensuring that the roller does not consume more power than needed at any time. This, together with higher compaction parameters and other improvements, has resulted in a drastic reduction in fuel consumption compared to the previous generation.

BEST POSSIBLE OVERALL ECONOMY

With Dynapac performance, you can achieve first-rate compaction results with maximum uniformity in terms of the bearing strength of each layer, with the best possible overall economy, i.e., lower cost per compacted cubic meter. Mission target reached!



BIG FUEL SAVINGS WITH ECO!

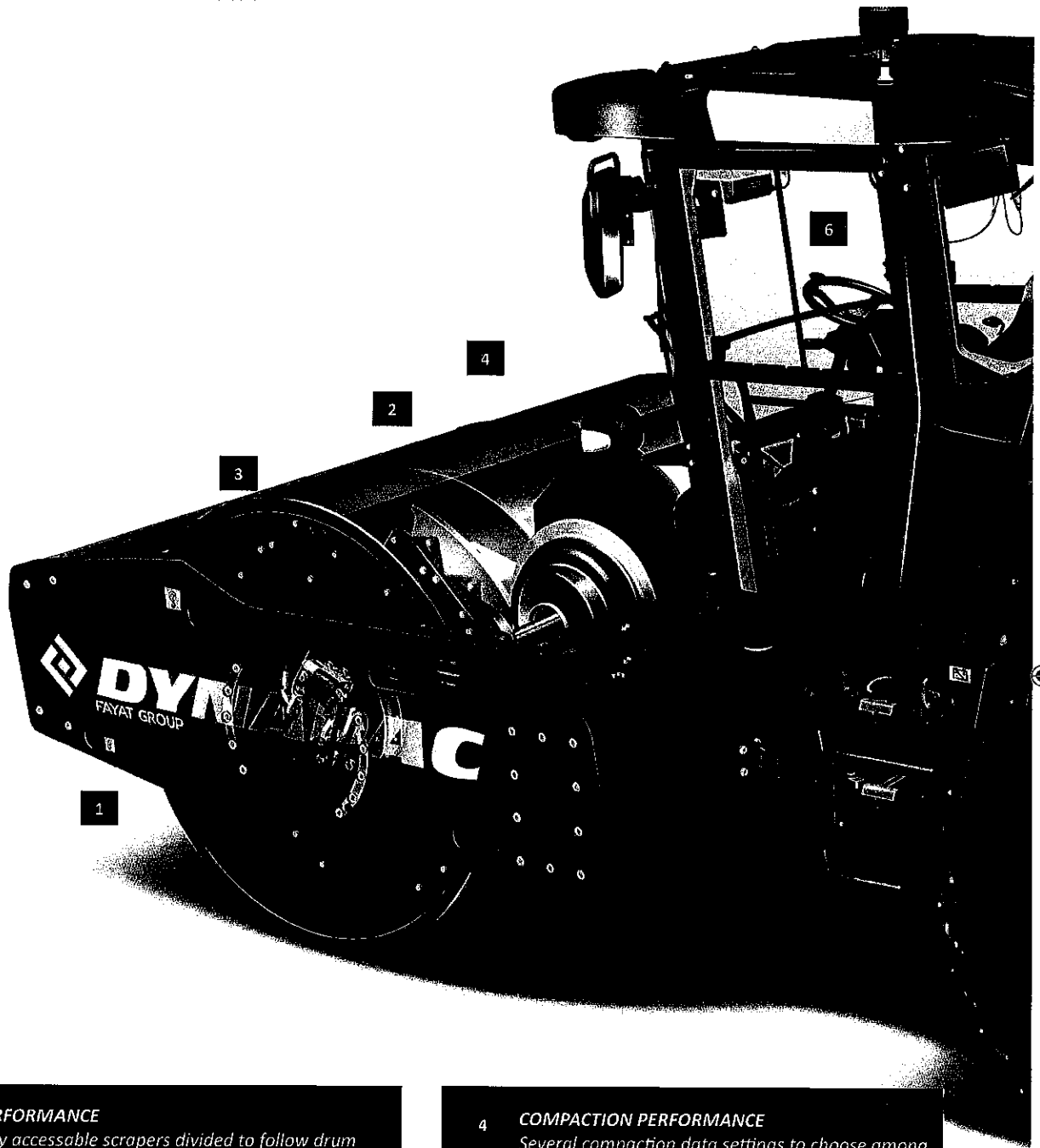
Dynapac is proud to announce that we have fulfilled our promise to offer customers soil and asphalt rollers with very low fuel consumption. The secret is our EcoMode.

We closely monitored the fuel consumption of the new Dynapac soil compactor range. As a result, we can now confirm that in EcoMode, all the rollers consume 15–20% less diesel fuel than our previous range without EcoMode.

When using the Eco-system the percentile saving is higher during compaction than during idling and transportation. Combine the 15–20% fuel savings with biodegradable hydraulic oil and very low noise levels and the result are "green" rollers.

Customers who choose the traction/performance package „Anti-spin & ECO“ will have EcoMode included. EcoMode always comes with adjustable vibration frequency and a frequency meter. For Stage IV/T4f engines also Traction Control is with EcoMode.

FEATURES & BENEFITS



- 1 PERFORMANCE**
Easy accessible scrapers divided to follow drum movement and replacement at low cost.

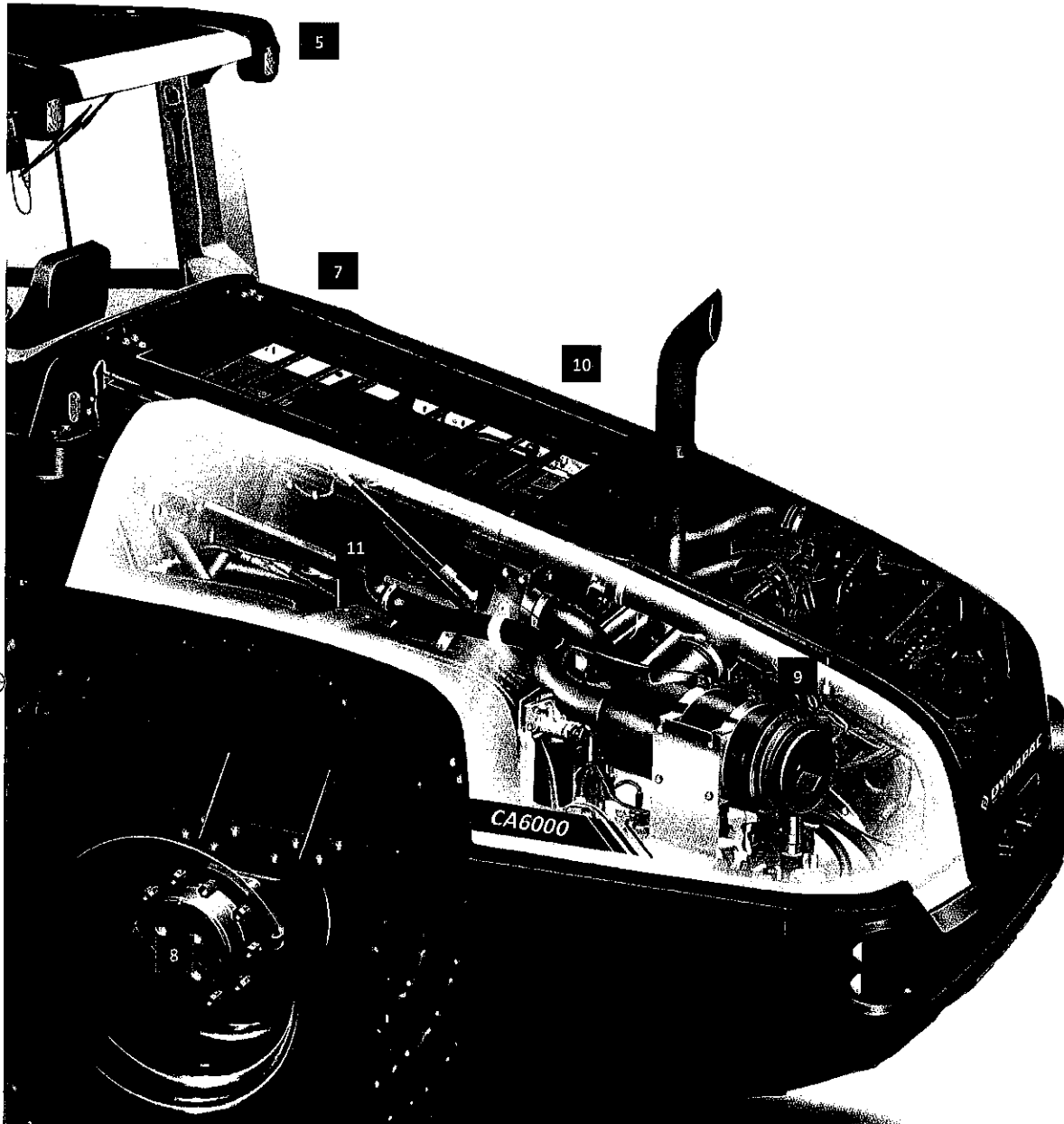
- 2 PERFORMANCE/DURABILITY**
Thick drum shell ensures compaction performance and long running time before change.

- 3 STATIC LINEAR LOAD**
in steps of 28 lb/in (5 kg/cm) means there's a machine for all needs.

- 4 COMPACTION PERFORMANCE**
Several compaction data settings to choose among.

- 5 LIGHTS**
Night or day? Choose working/driving lights according to your needs. Always LED technology

- 6 OPERATOR'S STATION**
Three main configurations to choose from, and numerous options.



7

PERFORMANCE

Clean inlet air (combustion and cooling) taken in as high as possible.

8

GRADEABILITY/PERFORMANCE

Heavy duty rear axle with failsafe brakes.

9

SERVICEABILITY

Cross-mounted engine gives unique service access

10

SAFETY

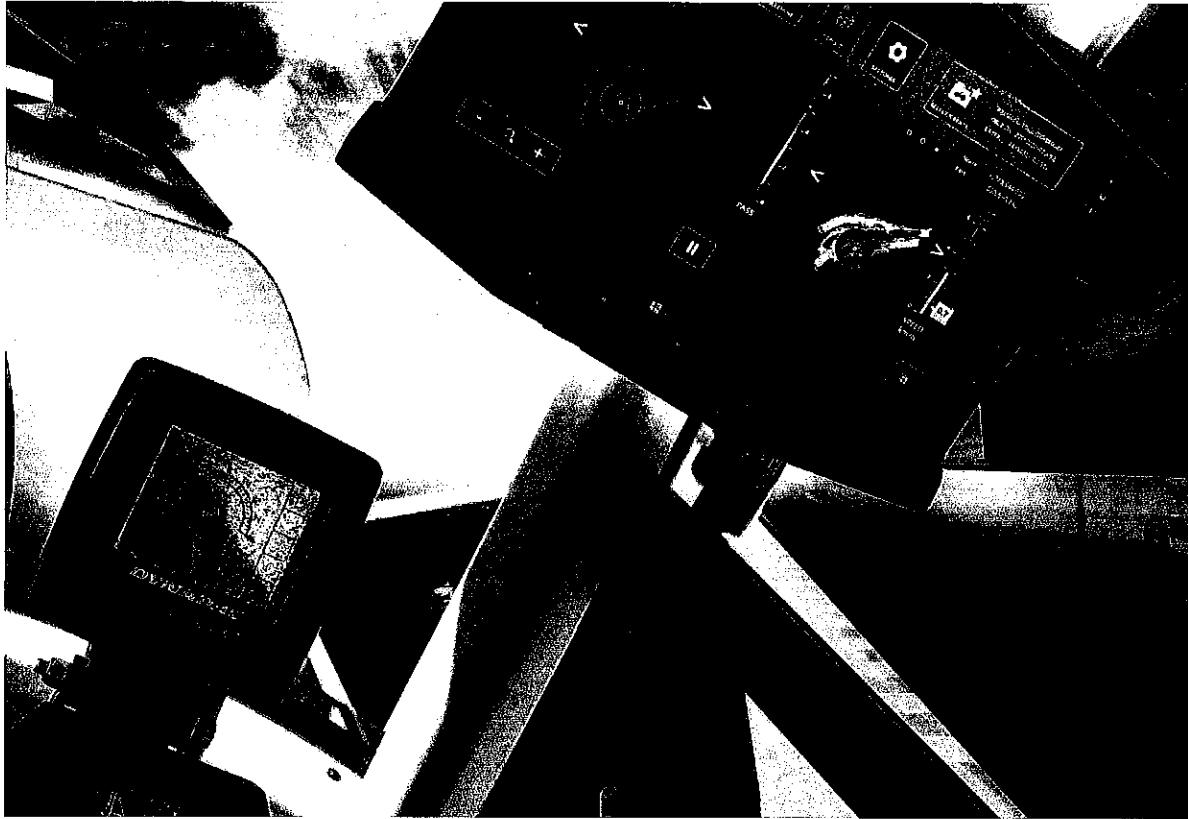
Sloping engine hood and 3.2 x 3.2 ft (1 x 1 m) view front & rear.

11

ENGINES FROM CUMMINS OR DEUTZ

4 or 6 cylinders, Stage T4f, T4i and T3, at your choice. Always following the latest emission steps.

DOCUMENTING TO ASSURE QUALITY



DYNAPAC'S DOCUMENTATION SYSTEM

Using the built-in Compaction Meter with Dyna@Lyzer with GNSS, each stage of the compaction work is documented and all measured values can be stored. The analysis function enables the compaction work to be replayed.

MACHINE USE - LEVEL OF EFFICIENCY

It enables the complete project to be studied in the office after the task is completed to see how many runs have been allocated over the surface and the level of compaction achieved. It thus provides the opportunity to assess if the roller has been used efficiently.

ELIMINATING WEAK SPOTS

Studying the results reveals any areas that may not have reached compaction due to "hidden" weak spots and measures can be taken to remedy this before construction work is carried out on top.

QUALITY ASSURANCE / ACCEPTANCE INSPECTION

High quality documentation is generated for quality assurance and as an indication for acceptance inspection. The results from the acceptance inspection can be entered in the Dyna@Lyzer so that the results from quality control can be collected together in one protocol.

Tools: PC and data from fifth generation Dynapac CA soil compactors equipped with Dynapac Documentation System.

HAS THE SOIL COMPACTOR BEEN USED EFFICIENTLY?

LOCATING POSSIBLE WEAK SPOTS

PRODUCTIVITY OPTIMIZATION

QUALITY CONTROL

DATA FOR ACCEPTANCE INSPECTION

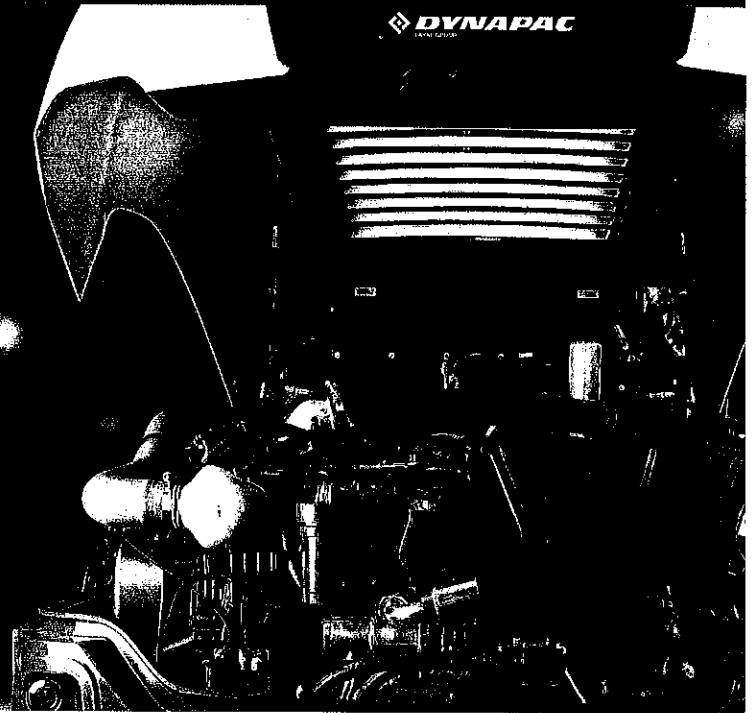
CROSS-MOUNTED ENGINE:

EXCELLENT SERVICEABILITY
 VERY LOW NOISE LEVEL
 CLEAN INLET AIR
 OPTIMAL WEIGHT DISTRIBUTION
 EASE OF TRANSPORTATION
 3.2 ft x 3.2 ft (1 x 1 m VIEW)

SERVICE

SERVICE LEVEL INDICATOR
 EXCELLENT ACCESS TO ENGINE/COMPONENTS
 SUSTAINABILITY PACKAGE
 CONTROL OVER LIFE-CYCLE COSTS
 INTERNATIONAL SERVICE NETWORK

Dyn@Link



A WORLD FIRST, WITH UNIQUE ADVANTAGES

ENGINES FROM CUMMINS, DEUTZ OR KUBOTA

The new soil vibratory rollers are the first of their type with cross-mounted engines at the rear – and this provides excellent serviceability. They can be equipped with the latest engine emission stages.

VERY LOW NOISE LEVEL

The noise level is very low, since the cooling air intake is placed at the top of the hood with the outlet down the sides, combined with the ejector exhaust outlet.

CLEAN INLET AIR

The position of the combustion air intake also has the advantage of keeping the inlet air as clean as possible, an important factor in the dusty environments in which these rollers operate.

OPTIMAL WEIGHT DISTRIBUTION AND EASE OF TRANSPORTATION

The cross-mounted engine also gives both optimal weight distribution and ease of transportation as it keeps down machine length. The low profile of the hood gives a 3.2 x 3.2 ft (1 x 1 m) view to the rear.

THICK DRUM SHELL

Ensures a long running time before a drum change is required.

DIVIDED SCRAPER BLADE

Keeps drum free of material during operation and can be replaced quickly and at low cost.

SERVICE LEVEL ALERT

A service interval alert on the instrumentation display for comfort cabs indicates when service is required and what action to take.

EXCELLENT ACCESS TO ENGINE

The cross-mounted engine at the rear offers excellent access for all service and maintenance needs. The engine hood is easy to open for quick maintenance and the hydraulic pumps are in line with the engine and fully accessible for service.

SUSTAINABILITY PACKAGE

The CA rollers can be equipped with a Sustainability Package featuring an rpm management system, biodegradable fill-for-life hydraulic fluid, 50 hours service kit, electrical engine block heater and working lights with LED lamps.

CONTROLLING LIFE-CYCLE COSTS

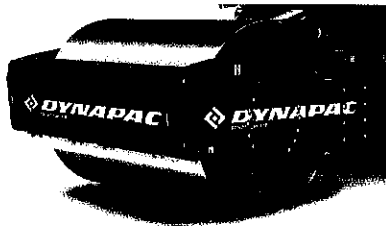
Dynapac's CostCtrl software on the web and service contracts, including extended warranty, enable you to gain full control over life-cycle costs and maximize machine availability.

WHEN YOU NEED US, WE'RE THERE

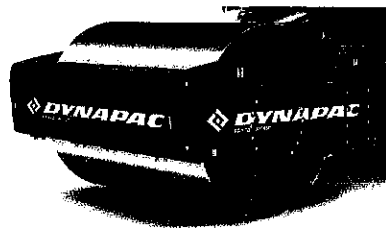
Dynapac's International service network offers full support and assistance with all parts and service needs.

1. MACHINE TYPES ►

Smooth drums (D)



Compaction Optimizers (DCO)

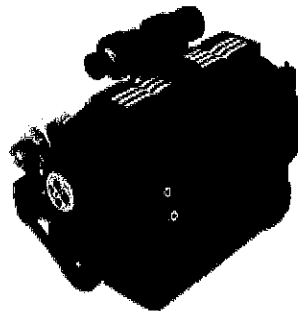


Pad foot drums (PD)



2. ENGINES ►

IV/T4final



3. TRACTION SYSTEMS ►

Antispin/ECO:

NoSpin rear axle
EcoMode & adjustable frequency
Frequency meter
Speed limiter
Tilt Indicator

Separate choices:
Gradeability Indicator
Tires

Traction Control
or Traction Control/ECO
(Stage IV/T4f)

No Spin rear axle or
Limited slip rear axle
Speed limiter
Tilt Indicator
(EcoMode & adjustable frequency)
(Frequency meter)

Separate choices:
Gradeability Indicator
Tires

Dual Speed

Dual speed
Limited slip rear axle

Separate choices:
Tires

4. OPERATOR'S PLATFORM ►

Cab

AC (some models)
 Back-up alarm
 CE: Yes
 Charger socket: One 24V
 Floor mat: Standard 0.2 in (5 mm)
 Panels: Back cover
 Heating: 6 nozzles
 Hooks: One
 Inner roof: Noise absorbing
 Interior light: Door
 Internal rear view mirror: CE-marked
 Operator's seat, suspension
 Operator's station, rotating
 Rear view mirrors, traffic
 Rotating beacon std.
 Seat belt 3" with buzzer
 Steering wheel: Adjustable
 Storage: In back cover
 Sun protection: Front screen print
 Windows: Tinted
 Wipers: Front/rear
 Working lights, LED

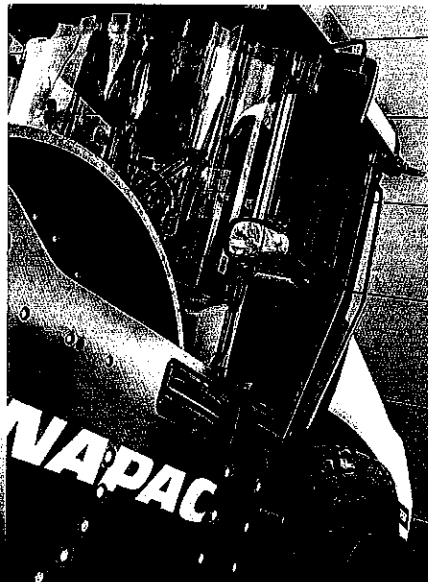
Comfort Cab

CAB FEATURES PLUS :
 ACC
 Charger socket: One 24V, One 12V
 Entry light on footsteps/ladder/battery cabinet
 Floor mat: Thick Noise absorbing 20 mm
 FM/AM radio with MP3/USB and Bluetooth
 Foot rest
 Heating: 8 nozzles with floor heating
 Hooks: Two
 Interior light: Door w. timer, reading, night light
 iPod/MP3 holder
 Operator's seat, comfort
 Panels: Covering most steel plates
 Rotating beacon dual LED
 Service interval /daily check in display
 Storage: Back cover, side panel, back upper shelf
 Sun protection: Front screen print, sun visor front, sun curtain back
 Wipers: Front/rear + Interval front
 Working lights LED



ROPS / FOPS

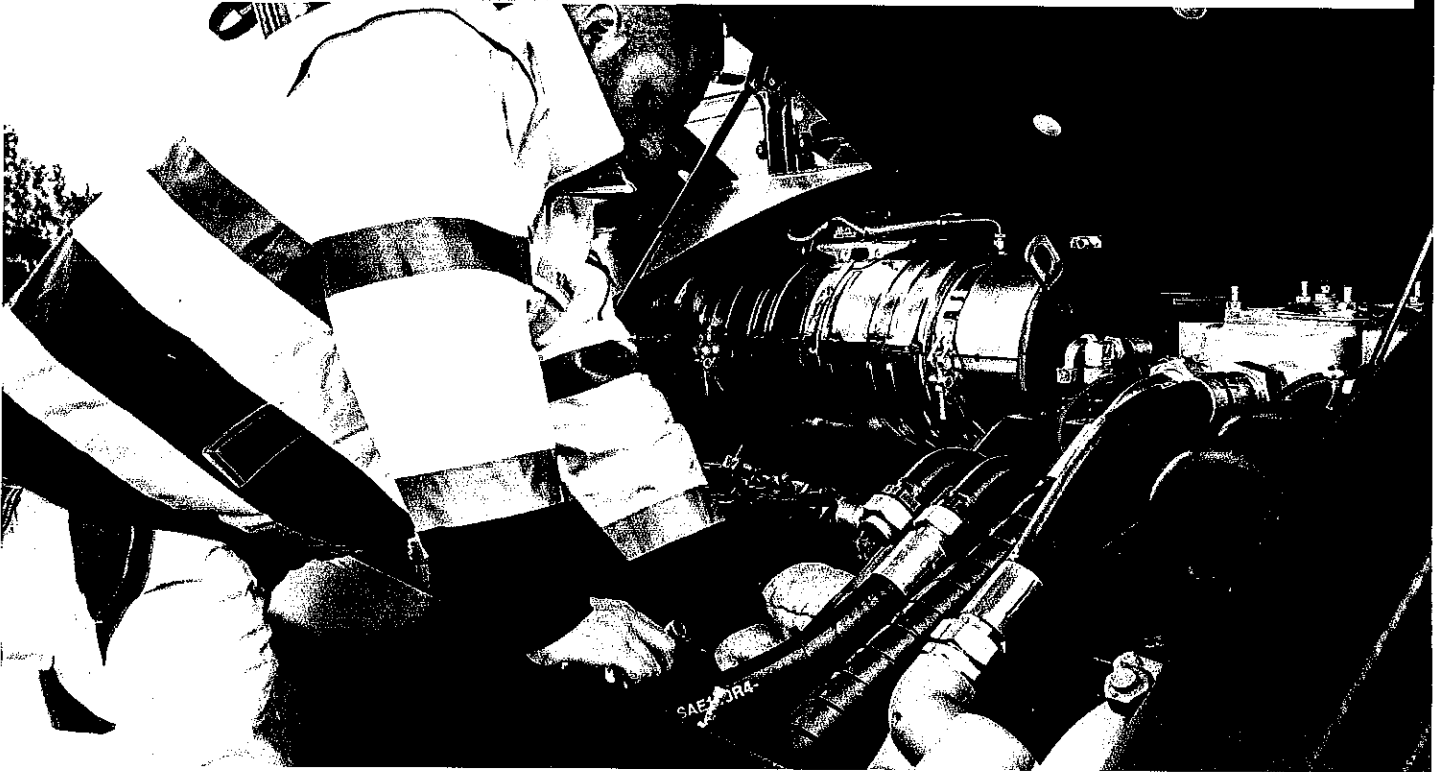
Floor mat: Standard 0.2 in (5 mm)
 Panels: Back cover
 Charger socket: One 24V
 Steering wheel: Adjustable
 Storage: In back cover
 CE: Yes
 Operator's station, fixed or rotating (some models)
 Operator's seat, suspension
 Seat belt 3" with buzzer
 Working lights LED
 Rotating beacon std.
 Rear view mirrors, traffic
 Vandal cover
 Back-up alarm



6. OPTIONS

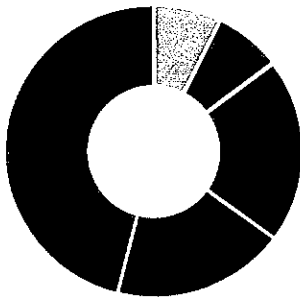
50 hours Service kit & tool box
 Bolt-on padfoot shell (CA1500D-CA3500)
 Compaction Meter with ABC
 Cooling box
 Dyn@Lyzer, preparation
 Dyn@Lyzer, complete installation
 Decal, risk location
 Emergency stop, dual external
 Engine block heater (120V or 240V)
 Environmental Certificate (Swedish)
 Fire extinguisher
 First aid box
 Fuel tank drainage
 GNSS for Dyn@Lyzer
 Gradeability indicator
 Hearing protector
 Heater, socket (240V) for Cabs
 Hydraulic fluid, bio
 Lights, licence plate
 Lights, reversing, LED
 Scrapers, fixed steel, smooth
 Scrapers, flexible, smooth
 Scrapers, fixed steel, pads
 Scrapers, heavy duty, pads
 Sign, Slow Moving Vehicle
 Special Colour, one colour
 Special Colour, two colours
 Tachograph
 Tachograph, preparation
 Tool box
 Tool set
 Field kit, Bolt-on padfoot shell (CA1500D-CA3500D)

MAINTENANCE



COST CONTROL THAT SAVES BIG

Being active in the Road Construction business requires considerable investment. Every square inch involves an operational cost composed of fixed costs such as interest on equipment acquired, labor costs, insurance and equipment depreciation, but also variable costs such as expenses for fuel, wear and maintenance.



Operator cost

The operator is always a very big part of the total cost. Operators using Dynapac equipment will enjoy good ergonomics and easy-to-operate equipment.

Maintenance cost

All road construction equipment need regular check-ups such as change of oils and filters. Dynapac always strives to use components that require as little maintenance as possible.

Wear cost

Since Dynapac always uses high-quality wear parts, the time that is needed to change them can be kept to a minimum. Customers who use Dynapac spare parts will improve reliability and protect their investment.

Investment cost

The purchase price is often only a relatively small part of the total cost. Dynapac rollers and pavers maintain a high value throughout their working life, which is good to know if you ever want to sell it.

Fuel cost

Fuel expenses can make up a large part of your total cost. Since Dynapac rollers and pavers are equipped with a very efficient hydraulic system, your fuel cost can be kept at a low level.

Calculation based on European conditions

SERVICE COMMITTED TO YOUR FUTURE

WHAT?

GENUINE PARTS AND KITS

- Preventive maintenance kits
- Genuine Filters
- Fluids and lubricants
- Wear and repair kits
- Upgrade Kits

SERVICE

- Right competence
- Training program
- Inspection & service program
- Extended Warranty & Service Agreement

CONSUMABLES

- Road Milling
Tools (bits)

HOW?

GLOBAL DISTRIBUTION NETWORK

Always close to you

DYNAPAC.US

- Kit selector
- Fluid selector
- Shop Online

DYN@LINK

- Manage your fleet
- Timely interventions planned with service alerts

PREVENT THE COST OF A BREAKDOWN

REGULAR MAINTENANCE PREVENTS COSTLY STANDSTILLS.

Equipment breakdowns have a direct impact on your productivity. No production means no revenue, but the fixed costs stay the same, resulting in lower profitability. By avoiding breakdowns and increasing the reliability of your machine, you will be able to produce more per year, which will immediately improve your profitability.

PREVENTIVE MAINTENANCE KITS

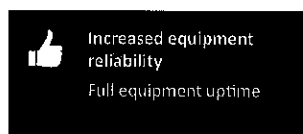
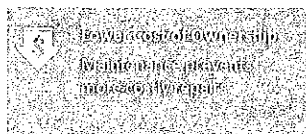
PREVENTIVE MAINTENANCE KITS

All in one box and tailored to match your equipment. Easy to obtain and attractively priced, our preventive maintenance kits contain all the parts required for the equipment's scheduled maintenance program. When installed by one of our certified technicians, you keep equipment downtime to a minimum and its uptime to a maximum throughout its working life.

PREVENTIVE MAINTENANCE PAYS BACK

Equipment needs preventive maintenance that demands

- Timely intervention to avoid expensive breakdowns
- High quality maintenance also means higher resale value (residual value)



TECHNICAL DATA

DYNAPAC SOIL COMPACTOR RANGE

IMPERIAL					
	<i>Operating mass, incl. Rops, lb</i>	<i>Static linear load, lb/in</i>	<i>Drum width, in</i>	<i>Frequency, high/low VPM / Amplitude, high/low, in</i>	<i>Diesel Engine Power, hp</i>
CA1300D	10 600	73	54	2,100 / 0.067	75 (IIIB/T4)
CA1300PD	10 500	-	54	2,100 / 0.059	75 (IIIB/T4)
CA1400D	6 500	112	66	1,920 Hz / 0.068 / 0.031	75 (IIIB/T4)
CA1400PD	6 500	-	66	1,920 Hz / 0.063 / 0.031	75 (IIIB/T4)
CA1500D	15 500	112	66	1,920/2,400 / 0.071/0.031	75 (IIIB/T4)
CA1500PD	15 500	-	66	1,920/2,400 / 0.071/0.031	75 (IIIB/T4)
CA2500D	22 300	146	84	1,980/2,040 / 0.071/0.035	120 (IV/T4)
CA2500PD	24 300	-	84	1,800/1,800 / 0.079/0.04	120 (IV/T4)
CA3500D	26 200	196	84	1,860/2,040 / 0.075/0.035	130 (IV/T4)
CA3500PD	26 200	-	84	1,800/1,800 / 0.071/0.039	130 (IV/T4)
DYNAPAC COMPACTION OPTIMIZER					
CA3500DCO	26 900	196	84	1.680 / 0 - 0.079	130 (IV/T4)

METRIC					
	<i>Operating mass, incl. Cab (kg)</i>	<i>Static linear load (kg/cm)</i>	<i>Drum width (mm)</i>	<i>Frequency / Amplitude</i>	<i>Diesel Engine Power, kW (stage/Tier)</i>
CA1300D	5000 (ROPS)	13/15	1370	35 Hz / 1.7 mm	55 (IIIB/T4)
CA1300PD	5000 (ROPS)	-	1370	35 Hz / 1.5 mm	55 (IIIB/T4)
CA1400D	6 500 (ROPS)	20	1676	32/32 Hz / 1.7/0.8 mm	55 (IIIB/T4)
CA1400PD	6 500 (ROPS)	-	1676	32/32 Hz / 1.6/0.8 mm	55 (IIIB/T4)
CA1500D	7 200	21	1676	32/36 Hz / 1.8/0.8 mm	55 (IIIB/T4)
CA1500PD	7 300	-	1676	32/36 Hz / 1.8/0.8 mm	55 (IIIB/T4)
CA2500D	10 300	26	2130	33/34 Hz / 1.8/0.9 mm	89 (IV/T4)
CA2500PD	11 200	-	2130	30/30 Hz / 2.0/1.1 mm	89 (IV/T4)
CA3500D	12 100	36	2130	31/34 Hz / 1.9/0.9 mm	97 (IV/T4)
CA3500PD	12 100	-	2130	30/30 Hz / 1.8/1.0 mm	97 (IV/T4)
DYNAPAC COMPACTION OPTIMIZER					
CA3500DCO	12 200	36	2130	28 Hz / 0-2 mm	97 (IV/T4) / 97 (IIIA/T3)

Your Partner on the Road Ahead



Dynapac North America LLC
342 Patricia Lane Suite 104, Fort Mill, SC 29708
Phone: 800-651-0033
www.dynapac.us

3492100493 April 2018

**Patrick Nickerson**

Account Manager

9111 North Freeway • Houston, TX 77037

Office: 713-679-6700

Cell: 281-685-8634

Email: Patrick.Nickerson@doggett.com

RECEIVED 09:43 AM 10/10/10

JAC

JACOBETT

9111 NORTH FREEMAN • PEASOCK, TX 77057

JTB 12.012/5W

JEFFERSON COUNTY Purchasing Dept.
 1149 Pearl St. 1ST Floor
 BEAUMONT, TX 77701

* BID ITOW #1 M1010Z GRADER

RECEIVED CO. OF TEX.

JUN 19 1964

JUNE 19 2009

JEFFERSON

9111 North Freeway • Houston, TX 77037

JF-13 18-013 / TW

JEFFERSON County Purchasing Dept
 1149 PEARL ST. 1ST FLOOR
 BEAUMONT, TX 77701

B10 TCG # 3 VIOLET TANDEN ROUNDER

RECEIVED 09:48 AM JUN 19 1970

RECEIVED

9111 South Broadway - Houston, TX 77057

JTB 18-018/ATW

JEFFERSON COUNTY PURCHASING DEPT.
 1149 PEARL ST. 1ST FLOOR
 BIRMINGHAM, TX 77201

W B/D Item #4 Single Drum Powder



JEFFERSON COUNTY PURCHASING DEPARTMENT

Deborah L. Clark, Purchasing Agent

1149 Pearl Street, 1st Floor, Beaumont, TX 77701 409-835-8593 Fax 409-835-8456

LEGAL NOTICE Advertisement for Invitation for Bids

May 21, 2018

Notice is hereby given that sealed bids will be accepted by the Jefferson County Purchasing Department for IFB 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey). **Specifications for this project may be obtained from the Jefferson County website, <http://www.co.jefferson.tx.us/Purchasing/main.htm> or by calling 409-835-8593.**

Bids are to be sealed and addressed to the Purchasing Agent with the bid number and name marked on the outside of the envelope or box. Bidders shall forward an original and three (3) copies of their bid to the address shown below. Jefferson County does not accept bids submitted electronically. Late bids will be rejected as non-responsive. Bids will be publicly opened and read aloud in the Jefferson County Commissioners' Courtroom at the time and date below. Bidders are invited to attend the sealed bid opening.

BID NAME: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

BID NO: IFB 18-013/JW

DUE DATE/TIME: 11:00 AM CDT, Tuesday, June 19, 2018

MAIL OR DELIVER TO: Jefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, Texas 77701

Any questions relating to these requirements should be directed to Jamey West, Assistant Purchasing Agent, at 409-835-8593 or jwest@co.jefferson.tx.us. Bidders may submit technical questions to: Jason Castille, Precinct No. 3 Superintendent at 409-736-2851 or pct3sc@co.jefferson.tx.us.

Jefferson County encourages Disadvantaged Business Enterprises to participate in the bidding process. Jefferson County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provisions of services. Individuals requiring special accommodations are requested to contact our office at 409-835-8593 to make arrangements no later than seven (7) calendar days prior to the submittal deadline. Jefferson County reserves the right to accept or reject any or all proposals, to waive technicalities and to take whatever action is in the best interest of Jefferson County.

All interested firms are invited to submit a bid in accordance with the terms and conditions stated in this bid.

RESPONDENTS ARE STRONGLY ENCOURAGED TO CAREFULLY READ THE ENTIRE INVITATION.

Deborah Clark

Deborah L. Clark, Purchasing Agent
Jefferson County, Texas

Publish: Beaumont Enterprise & Port Arthur News – May 23, 2018 & May 30, 2018

Minimum Specifications

The following requirements and specifications supersede General Requirements where applicable. Any questions relating to these requirements should be directed to Jamey West, Assistant Purchasing Agent, at 409-835-8593 or jwest@co.jefferson.tx.us. Bidders may submit technical questions to: Jason Castille, with Jefferson County Precinct No. 3 at pct3sc@co.jefferson.tx.us. Please reference bid number IFB 18-013/JW.

Please be sure to review these bid specifications *carefully*, as the item that you are offering must **MEET OR EXCEED** these specifications.

Scope

Jefferson County is soliciting bids for heavy equipment to replace equipment that was damaged and rendered unrepairable due to Hurricane Harvey. **All bids should be for brand new, completely unused equipment.**

The specifications shown in this bid packet are intended to define the level of quality, performance, and features **ONLY**. Products offered shall be of equivalent dimensions, quality, performance and features or better (the brand name product listed is not required).

Instructions to Bidders (Re: Brand Reference / Equivalent Item Bids)

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders Submitting Bids for Alternate/Equivalent Items:

► Bidders may submit bids on alternate/equivalent items, but **MUST** attach TWO (2) COPIES of the MANUFACTURER SPECIFICATIONS (to include full warranty terms) for any alternate at the time of the bid.

► Bidders offering alternate/equivalent items **MUST ALSO** submit an ITEMIZED COMPARISON documenting equivalence for dimensions, quality, performance, and features of the products offered.

Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders Submitting Bids for Exact Make/Model as specified:

► Bidders offering the exact make/model as specified, **MUST** attach TWO (2) COPIES of the MANUFACTURER SPECIFICATIONS (to include full warranty terms).

Bid Item 1: Motor Grader

One (1) Mustang CAT Model: 120M2 Motor Grader or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey. This piece of equipment is to be in new, unused condition.

For full technical specifications for this bid item, see APPENDIX A.

Warranty Term for this equipment (included, without additional cost) should be at least: Five (5) calendar years from the date of delivery of equipment. The first year of warranty should cover the powertrain and hydraulics for an unlimited amount of hours; with warranty years 2-5 to cover 3,000 hours for powertrain and hydraulics.

Trade-In: Jefferson County will be trading in a used and **flood-damaged** 1998 Champion Motor Grader Model 710 A towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 1: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 22-36).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

- ▶ Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.
- ▶ If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 37).

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Machine designed and built by the manufacturer
- ☒ Base Machine Weight shall not be less than 37,214 lbs. Weight shall include: standard machine configuration, lubricants, coolants, full fuel tank and operator of 200 lbs.
- ☒ Machine height to top of the cab shall not exceed 131 in.
- ☒ Machine length from the front outside edge tire to end of tow hitch shall not be less than 344 in.
- ☒ Machine length from counterweight to ripper not exceed 394 in.
- ☒ Machine Wheel Base (distance from front axle to mid tandem) shall not be less than 233 in.
- ☒ Rear frame includes two box section channels with an integrated bumper as standard.
- ☒ Toolbox
- ☒ Window protectors
- ☒ Cruise control
- ☒ Drain, ecology, engine Wiggins
- ☒ Cat Product Link 321SR

BASIC SPECIFICATIONS – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Vandal protection standard including locks for cab doors, engine side shields, (4) top tank radiator access door, engine coolant surge tank, hydraulic reservoir cap, fuel tank cap and toolbox.
- ☒ Rear hitch.

ENGINE

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Engine designed and built by the manufacturer.
- ☒ Engine is turbo-charged, direct injection, four stroke, 6-cylinder diesel engine.
- ☒ 209 horsepower
- ☒ Engine is certified EPA Tier 4 Final.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ENGINE (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Engine electronically controlled for more efficient fuel injection and fuel burn.
- ☒ Engine able to achieve rated power requirement with engine displacement not less than 7.1L (428 in.³) for better fuel economy.
- ☒ Engine capable of increasing its low idle to 1,000 rpm when the battery voltage is below 24.5 volts for more than 5 minutes to ensure adequate system voltage and battery reliability.
- ☒ Altitude deration will not occur at altitudes less than 10,000 ft. The deration rate above 10,000 ft. shall be 1.5% per 1,000 ft.
- ☒ Rated engine power shall not be achieved at an engine speed greater than 2,100 rpm.
- ☒ Engine will have a minimum torque rise of 56% from 2,100 rpm to peak torque following SAE J1349 (net power with max fan).
- ☒ Engine enclosure and daily service points accessible from ground level and grouped on the left side of the machine.
- ☒ Engine fan automatically adjusts fan speed via a variable hydraulic fan pump to meet engine cooling requirements thus reducing demand on the engine, putting more horsepower to the ground, reducing noise, improving fuel economy, and reducing heat.
- ☒ Engine allows for at least 500 hours of operation between oil changes.
- ☒ Engine is isolation/resilient mounted to minimize sound and vibration.
- ☒ Engine compartment doors are lockable without the use of external locks.
- ☒ Engine automatically lowers engine torque and alerts the operator if critical conditions are detected.
- ☒ Engine has air-to-air after cooler for superior engine performance.
- ☒ Engine oil cooler is a water to oil shell and tube cooler system.
- ☒ Machine has a 12,000 hour coolant interval from factory.
- ☒ The cooling package air intake has 2.8 mm perforated inlet screen.
- ☒ The charged air cooler (ATAAC) has 9 fins per inch.
- ☒ Heater, engine coolant: 120 V
- ☒ Heater, engine coolant: 240 V

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ENGINE-OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ A jacket water heater to assist in cold weather starting.
- ☒ An engine coolant heater to assist in cold weather starting.
- ☒ Ether starting aid included to automatically meter ether injection to prevent engine damage.

POWERTRAIN/TRANSMISSION

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Transmission built by the machine manufacturer.
- ☒ Transmission is direct drive, power shift, countershaft type.
- ☒ Transmission is equipped with built-in self-diagnostic capability.
- ☒ Transmission shall have no less than 8 forward speeds and 6 reverse speeds (for added safety).
- ☒ Transmission has 5 working gears between 0-10.4 mph, for dirt applications.
- ☒ Transmission is isolated/resilient mounted to reduce sound and vibration.
- ☒ Transmission: auto shift.
- ☒ Powertrain: fuel tank, fast fill.
- ☒ Powertrain: Oil, hydraulic, biodegradable synthetic.
- ☒ Starter: heavy duty, 1,000 Amp
- ☒ A controlled throttle shifting system to smooth directional gear changes without use of inching pedal
- ☒ Electronic Throttle Control (cruise control), controlled by a push button, located on a 3-axis joystick as standard on the right joystick control for resuming and decreasing throttle set.
- ☒ Electronic Throttle Control modes, set and accelerate functions, located on the right control column for easy access.
- ☒ A load compensating system for transmission to ensure consistent shift quality in all applications.
- ☒ Automatic Differential Lock/Unlock feature included and shall not have speed, shuttle shifting or tandem spinning restrictions for engaging/disengaging. System is load-sensing for optimal performance.
- ☒ Automatic mode that shall not be overridden via manual intervention for optimal performance and to prevent unintended differential engagement.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

POWERTRAIN/TRANSMISSION (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Differential Lock/Unlock that is electro-hydraulically controlled, as a standard feature.
- ☒ Differential Lock/Unlock that is multi-disc design.
- ☒ Final drive with planetary design.
- ☒ The rear axle with a bolt-on modular design offering easy access to differential components, improving serviceability and contamination control.
- ☒ The total surface area of all the transmission clutch packs not be less than 1,495 in.².
- ☒ Diameter at the output end of the transmission shaft no less than 2.29 in..
- ☒ Electronic inching pedal for improved modulation and machine control.
- ☒ Electronic over-speed protection to prevent the engine and transmission from over speeding, as a standard feature.
- ☒ Machine shall have no drive shafts that cross over the articulation hitch.

POWERTRAIN/TRANSMISSION - OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ An auto-shift transmission option available on all forward and reverse gears.

STEERING & IMPLEMENT CONTROLS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Steering wheel shall not be required to operate machine.
- ☒ Joystick steering capabilities shall be ISO 5010.
- ☒ Machine shall employ a friction pack style steering mechanism, utilizing the follow steer concept.
- ☒ The left 3-axis joystick that controls wheel lean with individual left and right wheel lean buttons as standard.
- ☒ Primary steering capable of being achieved via a left hand, multifunction, 3-axis, joystick as standard, using an intuitive steering control system that automatically adjusts steering sensitivity as machine ground speed increases.
- ☒ Articulation to the right or left shall be achieved by multifunction, 3-axis left joystick with the twist of such to the right or left by the left-hand, multifunction, 3-axis joystick.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STEERING & IMPLEMENT CONTROLS (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ✓x An articulation return-to-center button on the left multifunction, 3-axis, joystick, shall return the machine to a straight frame position from any articulation angle with the touch of a single button.
- ✓x The right 3-axis joystick shall primarily control the Drawbar, Circle, and Moldboard.
- ✓x Machine, Drawbar, Circle, and Moldboard control shall be achieved via right-hand multifunction, 3-axis, joystick, including moldboard slide and tip, drawbar center shift through a 4-way hat switch and circle turn by a left or right twist intuitively.
- ✓x Blade lift cylinders individually controlled by the multifunction, 3-axis joysticks; Lift and drop of cylinders shall be achieved forward and back motion of the respective joystick. Forward (left joystick) lowers the left cylinder, back (left joystick) raises the left lift cylinder, forward (right joystick) lowers the right lift cylinder, back (right joystick) raises the right lift cylinder.
- ✓x Joystick controls mounted to adjustable pedestals, hard mounted to the cab floor, independent of the operator seat.
- ✓x Secondary steering with primary and secondary power supply in the event the primary source is lost.
- ✓x Transmission direction control with a 3-position rocker switch for selecting forward, neutral, and reverse incorporated into a single, 3-axis, multi-function, left-hand joystick control.
- ✓x Manual Differential Lock/Unlock that is operator controlled, via a push-button, located on a single, 3-axis, multi-function, right-hand joystick control.
- ✓x Two redundant articulation sensors.
- ✓x Two redundant sensors shall be standard in the steering cylinders (one in each).
- ✓x Three redundant sensors shall be provided in the steering joystick for additional safety.

BRAKES

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ✓x Primary and secondary service brakes.
- ✓x Entire braking system shall meet all requirements of ISO 3450: 1996.
- ✓x Two separate left and right hydraulic brake accumulators shall be standard for safety.
- ✓x Parking brake shall be multi-disc, oil-cooled, spring-applied, hydraulically released, sealed, adjustment-free and integrated into the transmission. Park brake shall not be externally located.
- ✓x Parking brake shall be serviceable without removing the transmission.
- ✓x Service brakes shall be multi-disc, oil-cooled and completely sealed; they will also provide access to check and determine brake wear without removing or disassembling the brake assembly.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

BRAKES (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Service brake disc surfaces shall be grooved and carry oil between discs and plates with brakes fully applied.
- ☒ Service brakes shall be hydraulically actuated, utilizing dual independent brake circuits.
- ☒ Brakes shall be continuously pressurized, filtered, oil cooled.
- ☒ Individual brake pods for each rear wheel, located at each rear wheel inside the tandem box, independent of tandem chains.
- ☒ Compensation components at all four tandem brake pods in addition to the brake wear indicator.
- ☒ Brake line protection, including tandem walkways and hydraulic brake line guarding, shall be required to prevent line damage.
- ☒ Service brakes shall provide a minimum of 3,565 in.² of total friction material surface area used at each of the four tandem wheels to eliminate braking loads on the power train.

HYDRAULIC SYSTEM

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Triple redundant hydraulic relief system shall protect machine hydraulic components.
- ☒ Hydraulic implement pump shall produce between 0 and 55.5 gal/min (210L/min) of oil flow at high idle.
- ☒ Hydraulic system shall be a closed center, load sensing type, with a variable displacement, axial piston-type pump.
- ☒ Hydraulic system shall be fully sealed, using Duo-cone and O-ring face seals to prevent leaks, contamination, and spillage.
- ☒ Hydraulic tank shall have a baffling system to reduce potential pump cavitations.
- ☒ Maximum hydraulic system pressure shall be no more than 3,500 psi.
- ☒ Implement valves shall be electro-hydraulic, designed and built by the machine manufacturer.
- ☒ Implement pump shall not be mounted under cab floor, minimizing sound and vibration.
- ☒ Hydraulic arrangements with one or more additional hydraulic valves for rear ripper, dozer.
- ☒ Implement valves shall be proportional priority pressure compensating for consistent response, when multi-functioning any combination of implement controls and independent of engine speed.
- ☒ Implement pump solely dedicated to implement controls and not shared with any other components.
- ☒ Lock valves integrated into the main implement valve to prevent cylinder drift.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

HYDRAULIC SYSTEM (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ The hydraulic stand-by pressure shall be no more than 609 psi.
- ☒ Provision to install up to fifteen modulating hydraulic valves, controlled by two, three-axis, multi-functioning, joystick controls and auxiliary controls inside the cab.
- ☒ Hydraulic valves shall not be mounted under the cab floor, minimizing sound and vibration.
- ☒ Left and right blade lift cylinders shall have independent float capability, actuated by two multifunction, 3-axis joystick controls inside the cab, as a standard feature.
- ☒ Sight gauge provided for checking hydraulic reservoir fluid.
- ☒ Hydraulic oil change service interval shall be no less than 6,000 hours with oil sampling.
- ☒ Hydraulic system shall have a separate oil tank solely dedicated to the implement pump.

FRONT AXLE AND TANDEMS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Front axle oscillation shall be no less than 32 degrees total, per side 16 degrees up, 16 degrees down.
- ☒ Front axle with arched design for maximum ground clearance.
- ☒ Wheel spindle shall be a "live" spindle design and rotate inside a sealed compartment with lightweight oil for lubrication of the bearings.
- ☒ Front spindle that is heat induction hardened.
- ☒ Front wheel spindle bearings shall be a double-tapered design with the larger diameter bearing mounted closest to the centerline of the front tire.
- ☒ Front wheel spindle maintenance intervals shall be no less than 2,000 hours.
- ☒ Front wheel steering angle no less than 47.5 degrees left or right.
- ☒ Maximum front wheel lean no less than 18 degrees left or right.
- ☒ Machine turning radius not exceed 24 ft. 3 in. using front steering, full articulation and unlocked differential.
- ☒ Distance between center of tandem wheels no less than 59.5 in..
- ☒ Tandem chain pitch not be less than 1.8 in..
- ☒ Tandems capable of oscillating 15 degrees front tandem up and 25 degrees front tandem down, with full machine articulation and having no interference between tandem wheel and machine structure.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

FRONT AXLE AND TANDEMS (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Electronic and mechanical steering stops located at each wheel and steering cylinder relief valves shall be present to prevent steering system damage during normal operation.
- ☒ Steering tie rod ends shall be heat induction hardened.
- ☒ Two steering cylinders for maximum steering force.
- ☒ When equipped with a ripper, the machine shall have a minimum ramp angle of 15 degrees.

TIRES AND RIMS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ A 10 inch by 24 inch size 3-piece tire rim shall be available to provide mounting for 14.00R24 conventional tires.

TIRES AND RIMS – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ A 14 inch by 25 inch size 3-piece tire rim shall be available to provide mounting for 17.5-R25 tires.

GUARDS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Guards: Sound suppression (bottom)
- ☒ Guards: Sound suppression (enclosure)
- ☒ Guards: Transmission

OPERATORS STATION

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ An enclosed cab with ROPS (Rollover Protective Structure) according to ISO 3471 shall be provided.
- ☒ Cab door with hold-open clasp with a ground-level release and in addition to, a release in the cab.
- ☒ Cab shall be isolation-mounted to the front frame section of the machine.
- ☒ Cab shall have fixed front window of laminated glass with intermittent wiper.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

OPERATORS STATION (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ FOPS (Falling Object Protective Structure) shall be provided according to ISO 3499.
- ☒ Machine shall have no less than 17 adjustable vents, positioned to direct air to front windows and operator.
- ☒ Radio ready arrangement will include 24V to 12V converter, two speakers, antenna, and wiring.
- ☒ An instrument cluster that includes a speedometer, tachometer, coolant temperature, fuel and articulation angle gauge.
- ☒ Operator cab fresh air-filter accessible for clean out and replacement, from outside of the cab at ground level.
- ☒ A real-time information system shall monitor all system data and alert the operator of any faults through a digital text display. This information system shall be programmable for multiple languages.
- ☒ Left and right side cab doors shall be provided.
- ☒ Wipers on side and rear windows.
- ☒ Digital machine hour meter.
- ☒ Electronic message system shall provide real-time machine performance and diagnostic data.
- ☒ Mirrors, outside: heated 24 V
- ☒ Mirrors, outside: mounted
- ☒ Precleaner: HVAC
- ☒ Radio Ready, AM/FM
- ☒ Shade, sun
- ☒ Forward visibility shall be continuous and unobstructed glass from roofline to floor providing visibility of the blade, heel and toe, back of the cutting edge, and front tires.
- ☒ Access to cab shall be three anti-skid steps.
- ☒ Cab shall have cup holder, personal cooler holder/storage compartment for operator's manual, with a molded floor mat.
- ☒ Window washer fluid bottle refill spout shall be located external of the cab.
- ☒ Auxiliary control pod, with implement float control capability, shall be available.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

OPERATORS STATION – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Auxiliary controls shall be available for control of attachment implements and/or work tools, and shall be programmable via computer software.
- ☒ Auxiliary controls shall be a fingertip control type and located beside the right-hand joystick control.
- ☒ Integrated display and wiring for a rear vision camera shall be available with capability to view at all times without interfering with the gauge and diagnostic display.
- ☒ A rear sun shade shall be available.
- ☒ A rear defroster fan shall be available.
- ☒ An air suspension seat shall be available.

CIRCLE & MOLDBOARD

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Drawbar, circle, and moldboard shall be controlled with a maximum of two multifunction, 3-axis joysticks, as standard.
- ☒ Drawbar wear strips shall be replaceable drop-in inserts made from nylon composite materials, replaceable and adjustable from the top of the drawbar plate via removable cover plates.
- ☒ The drawbar shall feature welded protective wear plates to prevent lift group contact with the primary drawbar structure.
- ☒ The moldboard shall be 12 ft. long, 24 in. high and no less than 7/8 in. thick.
- ☒ Moldboard shall have a bank slope angle capability of at least 90 degrees to both sides.
- ☒ Moldboard shall have no less than 16.3 in. arc radius (blade curvature) for optimum productivity.
- ☒ The moldboard retention system shall have no more than two retention points located on the left and right side of the moldboard. The surface area shall no be less than 78.13 in.².
- ☒ Moldboard shall have a hydraulic tip control through a range of 40 degrees fore and 5 degrees aft.
- ☒ Moldboard wear strips shall be adjusted with lock screws, providing shim-less adjustment capability both vertical and horizontal.
- ☒ The moldboard shall be pre-stressed during manufacturing for superior strength and durability.
- ☒ Moldboard side rails shall be constructed of heat-treated, high carbon steel and have replaceable bronze alloy wear inserts on top and bottom.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

CIRCLE & MOLDBOARD (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Circle shall be a single piece, rolled-ring forging, with raised wear surfaces on the top and bottom.
- ☒ Circle shall be rotated by a hydraulically driven motor with a minimum circle pinion torque capability of 44,253 ft.-lb.
- ☒ Circle teeth contact surfaces shall be induction-hardened on the front 240 degrees of the circle.
- ☒ Blade lift and center shift cylinders shall have replaceable bronze-alloy wear inserts in the ball sockets with removable shims to insure the ability to remove free play throughout the useful wear insert life.
- ☒ The lift cylinder casting shall be welded to the front frame for added strength and structural integrity.
- ☒ The standard mounting hardware for cutting edges and end bits shall be 3/5 inch.
- ☒ Linkbar pin shall be separate from pin pulling mechanism for easier service and lower O&O costs.
- ☒ The draft frame pivot connection shall have a single ball stud with grease zerk. Ball stud shall be bolt-on, shimable and adjustable to allow for quick and easy field serviceable design.
- ☒ Three sideshift anchor positions shall be provided for extended reach capability as standard.
- ☒ Pinion Gear shall be separate from the Pinion Shaft to allow for a quick and easy serviceable design.
- ☒ Circle outside diameter shall be no less than 60.2 in.
- ☒ Throat clearance with standard moldboard shall be at least 126 mm.
- ☒ There will be no more than 6 replaceable wear inserts between the circle and drawbar providing at least 163 in.² of wear surface area.

CIRCLE & MOLDBOARD – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Blade lift accumulators shall be provided, protecting cutting edge and other components from damage shock loads as an option.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

WORK TOOLS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Blade extension, left hand (2 ft.)
- ☒ Cutting edges, curved
- ☒ Endbits, overlay
- ☒ Front lift group, mounting
- ☒ Front lift group, mechanical
- ☐ Grader bit, narrow and super penetration
- ☒ Push plate, counterweight
- ☒ Ripper, mounting
- ☒ Ripper, rear
- ☒ Ripper tooth

ELECTRICAL

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Six 3 X 3 halogen mounted cab lights.
- ☒ 24 V to 12 V converter with 10-amp capacity.
- ☒ Starting system shall be a 24 V direct electric type.
- ☒ Incandescent white reversing lamps and LED stop lamps shall be provided.
- ☒ Electrical system shall have a master disconnect switch with a removable key (in addition to the ignition switch), accessible from the ground level.
- ☒ Core machine systems shall be electronically connected, optimizing performance and preventing machine damage.
- ☒ All wiring arranged and located so as to facilitate regular visual inspections, not to be in contact with hot surfaces and not routed with other services lines (e.g. fuel, oil, etc.)
- ☒ All harnesses/cabling secured with clipping clamps providing a gap between the conduit/harness and the mounting surface preventing material build-up.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ELECTRICAL – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ 800 CCA batteries
- ☒ 80 amp alternator
- ☒ High and low bar headlights with front turn signals.
- ☐ Amber LED high-speed strobe beacon.
- ☐ 24V to 12V converter with 25 amp capacity.
- ☒ Lights: high
- ☒ Lights: low
- ☒ Lights: Working lights, basic
- ☐ Lights: Working lights, plus
- ☐ Lights: Warning: beacon or strobe
- ☐ Lights: Mounting for warning light

SERVICEABILITY

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ High-speed oil drain system with ground level quick-connect access.
- ☒ Lockable swing-out cooling fan housing featuring a latch-style mechanism (shall not be of a bolted design), allowing easy access to cores. Ability to open/close shall be ground level accessible, eliminating need to climb on machine.
- ☒ Dip stick (at ground level) for checking transmission fluid.
- ☒ Hydraulic tank site gauge, readable from the ground.
- ☒ Hydraulic tank filter (cartridge style filter) providing a separate filter element, housing, and drain valve for quick and clean servicing.
- ☒ Ability for ground level fueling.
- ☒ Sampling ports accessible from the tandem level and providing access to the engine, hydraulic, coolant, and fuel ports.
- ☒ A two-way communication tool shall give service technicians easy access to stored diagnostic data and allow configuration of machine parameters.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

SERVICEABILITY (Continued)

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ The articulation joint shall have mechanical locking device to prevent frame articulation while servicing or transporting the machine.
- ☒ Left and right side tandem case assemblies shall be covered with punched steel plate to provide an adequate platform for standing and walking.
- ☒ Sampling ports shall be accessible from the tandem level and provide access to the engine, hydraulic coolant, and fuel ports.
- ☒ Engine primary and final fuel filters with 500 hour service replacement interval.
- ☒ Engine with primary fuel filter with fuel water separator and electronic sensor, quick release dual stage filter and primer pump.
- ☒ Centralized lube bank at the articulation joint to give access to difficult zerks.
- ☒ Transmission filter restriction indicator displayed in the cab.
- ☒ Lock-out Tag-out capabilities provided standard to increase the safety levels during down time; ensuring that an energy isolating device and the machine which are being worked cannot be operated.

SERVICEABILITY – OPTIONAL ATTACHMENTS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Guard to protect the machine's transmission from debris.
- ☒ Guard to suppress sound from the engine.

MINIMUM SERVICE FILL CAPABILITIES

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Standard fuel tank capacity of at least 90 gallons.
- ☒ Standard cooling system capacity of at least 12.9 gallons.
- ☒ Standard hydraulic tank capacity of at least 16.9 gallons.
- ☒ Standard engine oil capacity of at least 7.9 gallons.
- ☒ Standard tandem housing capacity of at least 15.6 gallons.
- ☒ Standard front wheel spindle bearing housing capacity of at least 0.1 gallons.
- ☒ Standard circle drive housing capacity of at least 1.8 gallons.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

SAFETY AND ENVIRONMENTAL

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Circle drive slip clutch to reduce horizontal moldboard impact damage.
- ☒ Black glare-reducing paint on the front frame and engine enclosure to decrease glare from other equipment lights and reflection from the sun and snow.
- ☒ Hydraulic implement lock-out, achievable by actuating a single electrical switch within the operator station.
- ☒ An external emergency kill switch for ground level engine shut down.
- ☒ Secondary, electric steering pump with redundant wiring as a back-up to the primary implement hydraulic pump.
- ☒ Laminated glass for the front windows and doors, to protect the operator from shattered glass.
- ☒ Dual exits allowing for emergency egress should one side become obstructed.
- ☒ Electrical system with master disconnect switch with a removable key and lock for added safety (in addition to ignition switch).
- ☒ Steering software system to automatically reduce steering sensitivity as the ground speed increases.
- ☒ Back-up lights and sounding alarm when reverse gears are selected.
- ☒ Environmentally friendly drain valves for the hydraulic oil, engine oil, engine coolant, transmission, differential and fuel tank.
- ☒ Cooling fan with both shroud and rear grill for protection during service.
- ☒ Machine shall allow cab interior and exterior lights to remain on separate from ignition switch, for safe exit of the machine during night operation.
- ☒ Engine and transmission shall be rubber isolation mounted to reduce noise and vibration.

SAFETY AND ENVIRONMENTAL – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Guard shall be available to protect the machine's transmission from debris.
- ☒ Rear vision camera with integrated display and wiring.

Bid Item 1: Motor Grader
BIDDER ALTERNATIVE FEATURES OFFERRED & EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Bid Item 2: Pneumatic Roller

One (1) BOMAG Model: BW11RH-5 Pneumatic Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Pneumatic Roller is to be complete with All Standard Equipment including ROPS/FOPS, Water Sprinkler System, Rotary Beacon, and Additional Ballast to 2,313 lbs., Cocoa Mats and Back-Up Alarm.

For full technical specifications for this bid item, see APPENDIX B.

Warranty term for this equipment (included, without additional cost) should be at least: One (1) calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade In: Jefferson County will be trading in a used and **flood-damaged** Dynapac CP142 (SN: 1000-500C0B000882) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 2: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 39-40).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 2: Pneumatic Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 41).

Bid Item 2: Pneumatic Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- na Base Machine weight should not be less than 27,000 lbs
- na Capable of speed: 15.5 mph or higher
- na Water Tank Capacity of at least 150 gallons
- ☒ Turning Radius: 9 ft.
- ☒ ROP Height: 9.4'
- ☒ Self-lubricating bushings that are maintenance-free
- ☒ Maintenance-free braking system
- ☒ Flashing lights and blinkers for on-road safety

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Scraper per wheel
- ☒ Hour meter
- ☒ Warning horn
- ☒ Control panel for: engine oil pressure, engine temperature, air filter vacuum, charge control, hydraulic oil filter, coolant level, fuel tank capacity
- ☒ (2) outside mirrors
- ☒ Lockable anti-vandal dashboard protection
- ☒ Operator's platform with: one steering wheel, laterally sliding swivels
- ☒ Back-up alarm
- ☒ Hydrostatic transmission
- na Tier 4 Kubota Diesel Engine
- ☒ Nine 7.50 X 15 X 14 ply tires
- ☒ Fuel gauge
- ☒ Hydrostatic, center articulated steering with +/- 10 degree frame oscillation

Bid Item 2: Pneumatic Roller

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Rear wheel oscillation: +/- 4 degrees outside & +/- 5 degrees center
- ☒ Spring-Applied, Hydraulically Released (SAHR) brakes

OPTIONAL FEATURES

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Headlights (front and rear)
- ☒ Turn signals and 4-way flashers
- ☒ Pressurized water spray system
- ☒ Radial tires w/ approx. 14 ply rating
- ☐ Steel ballast
- ☒ Heat retention shields
- ☐ Pressurized water spray system
- ☐ Special paint, 1 color (Enamel only)
- ☒ Indicator and hazard lights

Bid Item 2: Pneumatic Roller

BIDDER ALTERNATIVE FEATURES OFFERED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

Base Machine weight- 11,464 lb

Base Machine with Ballast 26,896 lb

Travel Speed 12MPH

Water Tank Capacity 92 Gal

Tier 4 Final Caterpillar Engine

Bid Item 3: Vibratory Tandem Roller

One (1) BOMAG Model: BW161AD-5 Vibratory Tandem Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Vibratory Tandem Roller is to be complete with All Standard Equipment including 90 degree swivel seat unit, Economizer, ROPS, Temperature Gauge, and Joint with Crabwalk.

For full technical specifications for this bid item, see APPENDIX C.

Warranty term for this equipment (included, without additional cost) should be at least: (1) one calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade-In: Jefferson County will be trading in a used and **flood-damaged** CAT CB534-C (SN: 5HN00552) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 3: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 43-44).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 45).

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Operating Weight should be at least 21,600 lbs
- _____ Turning Radius: 192.1"
- _____ Vibratory Frequency for Drums: 3,000/4,200 VPM
- _____ Engine: 114 horsepower
- _____ Top speed should be at least 7.5 mph
- _____ No grease nipples.
- _____ Sealed bearings.
- _____ Economizer System
- _____ Economode Feature
- _____ Tango Oscillation Feature.
- _____ Visible sight lines to drum edge
- _____ Open operator's platform
- _____ 180 degree seat & steering, so the driver can have their front or back turned to the edge of the machine for a better view.

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ 2 amplitudes / 2 frequencies
- _____ Kubota Tier 4i engine
- _____ Automatic vibration operation
- _____ Individual vibration control
- _____ Adjustable driver's seat – 180 degrees; laterally slidable with steering wheel
- _____ On-board indicators: engine speed, speedometer, fuel consumption, engine temperature
- _____ Pressure sprinkling system with 2 pumps
- _____ Low water level indicator

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Indicator and hazard lights
- ☐ Back-up alarm
- ☐ Battery disconnect switch
- ☐ Storage for documents and tools
- ☐ Emergency stop button
- ☐ ROPS/FOPS w/safety

OPTIONAL EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Economizer
- ☐ Asphalt temperature display
- ☐ Edge cutter
- ☐ Rotary beacon
- ☐ Environmentally friendly hydraulic oil

Bid Item 3: Vibratory Tandem Roller
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked “N/A” on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Bid Item 4: Single Drum Padfoot Roller

One (1) BOMAG Model: BW211PD-5 84" Single Drum Padfoot Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Single Drum Padfoot Roller is to be complete with All Standard Equipment including Magnetic Flashing Beacon.

For full technical specifications for this bid item, see APPENDIX D.

Warranty term for this equipment (included, without additional cost) should be at least: One (1) calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade-In: Jefferson County will be trading in a used and **flood-damaged** BOMAG BW213DH-40 (SN: 901582561088) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 4: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 47-48).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 49).

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Operating weight should be at least 28,109 lbs
- ☐ Transmission: (4) Gears
- ☐ Motor: 2-wheel drive
- ☐ Vibration Settings: (4)
- ☐ Idle Speed Controller
- ☐ No grease nipples

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ ECOMODE
(adjusts the engine speed to respective power requirements to save 30% less fuel consumption)
- ☐ Warning, information and operation displays with LCD
- ☐ Loading mode
- ☐ Noise insulation
- ☐ Hydrostatic travel and vibration drive
- ☐ Hydrostatic articulated steering
- ☐ Articulated joint lock
- ☐ Rear axle with twin spring accumulator brakes
- ☐ No-spin differential lock
- ☐ Warning horn
- ☐ Single lever control for travel and vibration
- ☐ Seat with arm rest and adjustable for position and height
- ☐ (2) Scrapers
- ☐ Emergency STOP

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Back-up alarm
- ☐ Working lights front/rear
- ☐ Sliding window
- ☐ Battery disconnect switch

OPTIONAL EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ ROPS/FOPS with safety belt
- ☐ BOMAG ECOSTOP Feature (shuts down the engine automatically depending on temperatures, charging condition, etc.)
- ☐ Indicator and hazard lights
- ☐ Rotary beacon
- ☐ Environmentally compliant hydraulic oil
- ☐ Measuring-and-machine data interface for third-party suppliers

Bid Item 4: Single Drum Padfoot Roller
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Bid Item 5: Utility Tractor

One (1) John Deere 5065E Utility Tractor OOS 4WD or Equivalent to replace a similar piece of equipment that was damaged and rendered unreparable due to Hurricane Harvey.

For full technical specifications for this bid item, see APPENDIX E.

Warranty term for this equipment: Warranty term for this equipment (included without additional cost) should be at least: (2) two calendar years/or 2,000 hours from the date of delivery of equipment or whichever comes first, with the warranty to cover powertrain and components as described below in Paragraphs A & B.

A. WHAT IS WARRANTED – Subject to Paragraph B, all parts of any new Equipment are to be warranted for the time period or number of operating hours as specified. Included In 5E Series Tractor and Compact Utility Tractor Powertrain Warranty- Engine: cylinder block, cylinder head, valve covers, oil pan, emissions control components, timing gear covers, flywheel housing, and all parts contained therein. Powertrain: transmission, transmission case, differential and axle housings, clutch housings, MFWD front axle assembly, and all parts contained therein (does not include external drivelines, dry clutch parts, or steering cylinders). SWEEPS, SHOVELS, PLOWSHARES, AND DISK BLADES: A replacement part will be furnished without charge if breakage occurs and the amount of wear is less than the wear limits established by the Manufacturer.

B. ITEMS COVERED SEPARATELY- (1) Tires, rubber tracks and batteries; When applicable, a separate emissions warranty statement will be provided by Selling Dealer.

Trade-In: Jefferson County will be trading in a used and **flood-damaged** Ford 5000 Tractor towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 5: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Page 51).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 5: Utility Tractor TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

- ▶ Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.
- ▶ If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 52).

Bid Item 5: Utility Tractor TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ 12F/12R PowrReverser Transmission – 540/540E (PR)
- ☐ 540 economy PTO
- ☐ Less Loader Prep Package
- ☐ Open Operator Station
- ☐ Dual Mid Valves with Joystick Control
- ☐ 16.9 – 28 in. 6PR R1 Bias
- ☐ Mechanical Front Wheel Drive (MFWD)
- ☐ 9.5 – 24 in. 6PR R1 Bias
- ☐ Engine: John Deere PowerTech 3029
- ☐ Engine – Aspiration: Turbocharged
- ☐ Engine – Cylinders liners: Wet sleeved
- ☐ Engine – Displacement: 3 cylinders: 2.9 L, 179 cu. in.
- ☐ Engine Performance – Rated Power: At 2100 rpm: 49.9 kW, 67 hp
- ☐ Engine Performance – Rated PTO power (hp SAE): At 2100 rpm: 36.5 kw, 49 PTO hp
- ☐ Final Tier 4-compliant PowerTech engine; provides improved visibility – a smaller, more efficient after-treatment device provides more space under the hood.
- ☐ Diesel oxidation catalyst (DOC/diesel particulate filter (DPF) system.
- ☐ Exhaust filter cleaning switch
- ☐ Hand throttle: located on the right-hand console

Bid Item 5: Utility Tractor
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Bidder Information Form

Instructions: Complete the form below. Please provide legible, accurate, and complete contact information. PLEASE PRINT.

Bid Name & Number: (IFB 18-013/JW),
 Re-bid Heavy Equipment for Jefferson County Precinct No. 3
 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

Bidder's Company/Business Name: MUSTANG CAT

Bidder's TAX ID Number: 1-20-0421611-0

Contact Person: Stevan de Leon **Title:** Sales Rep

Phone Number (with area code): (409)201-9500

Alternate Phone Number if available (with area code): _____

Fax Number (with area code): _____

Email Address: sdeleon@mustangcat.com

Mailing Address (Please provide a physical address for bid bond return, if applicable):

7990 Eastex Frwy

Address

Beaumont, TX 77708

City, State, Zip Code

OFFER AND ACCEPTANCE FORM OFFER TO CONTRACT

Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

To Jefferson County:

We hereby offer and agree to furnish the materials or service in compliance with all terms, conditions, specifications, and amendments in the Invitation for Bid and any written exceptions in the offer. We understand that the items in this Invitation for Bid, including, but not limited to, all required certificates are fully incorporated herein as a material and necessary part of the contract.

The undersigned hereby states, under penalty of perjury, that all information provided is true, accurate, and complete, and states that he/she has the authority to submit this bid, which will result in a binding contract if accepted by Jefferson County.

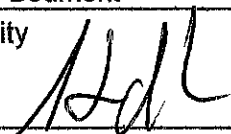
We acknowledge receipt of the following amendment(s): _____, _____, _____, _____.

I certify, under penalty of perjury, that I have the legal authorization to bind the firm hereunder:

Mustang Cat
Company Name

7990 Easttex Frwy
Address

Beumont TX 77708
City State Zip


Signature of Person Authorized to Sign

Stevan de Leon
Printed Name

Sales rep
Title

For clarification of this offer, contact:

STEVAN de LEON
Name

(409)201-9500
Phone Fax

sdeleon@mustangcat.com
E-mail

Bidder Shall Return Completed Form with Offer.

Acceptance of Offer

HEAVY EQUIPMENT FOR JEFFERSON COUNTY PRECINCT NO. 3 (TO REPLACE UNREPAIRABLE EQUIPMENT DAMAGED BY HURRICANE HARVEY)

The Contractor is now bound to sell the materials or services listed by the attached contract and based upon the Invitation for Bid, including all terms, conditions, specifications, amendments, etc., and the Contractor's Offer as accepted by Jefferson County.

This contract shall henceforth be referred to as Contract No. 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey). The Contractor has not been authorized to commence any billable work or to provide any material or service under this contract until Contractor receives a purchase order and/or a notice to proceed from the Jefferson County Purchasing Agent.

Countersigned:

Jeff R. Branick
County Judge

Date

Attest:

Carolyn L. Guidry
County Clerk

Bidder Shall Return Completed Form with Offer.

Bid Form

Bid Item 1 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX A**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 1: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 22-36).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
1	Mustang CAT Model 120M2 Motor Grader or Equivalent	\$ 247,500 . 00
		Trade-In Value
Trade-In Value for used & flood-damaged: 1998 Champion Motor Grader Model 710 A		\$ 5000 . 00
Total Bid Price (Minus Trade-In Value) \$ 242,500 . 00		
Projected Delivery Lead Time from Date of Purchase:		1-2 ** weeks <small>** Subject to Availability</small>
Equivalent Item Description (Make & Model) for Item No. 1: CATERPILLAR 120M		

Bid Form

Bid Item 2 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX B**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 2: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 39-40).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
2	BOMAG Model BW11RH-5 Pneumatic Roller or Equivalent	\$ 79,000 . 00
		Trade-In Value
Trade-In Value for used & flood-damaged: Dynapac CP142 (SN: 1000-500C0B000882)		\$ 3,500 . 00
Total Bid Price (Minus Trade-In Value) \$ 75,500 . 00		
Projected Delivery Lead Time from Date of Purchase:		16 ** weeks **Subject to award
Equivalent Item Description (Make & Model) for Item No. 2: CATERPILLAR CW16		

Bid Form

Bid Item 3 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX C**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 3: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 43-44).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
3	BOMAG Model BW161AD-5 Vibratory Tandem Roller or Equivalent	\$ _____ no bid _____ . _____
		Trade-In Value
Trade-In Value for used & flood-damaged: CAT CB534-C (SN: 5HN00552)		\$ _____ no bid _____ . _____
Total Bid Price (Minus Trade-In Value) \$ _____ no bid _____ . _____		
Projected Delivery Lead Time from Date of Purchase:		_____ no bid _____ weeks
Equivalent Item Description (Make & Model) for Item No. 3: _____		

Bid Form

Bid Item 4 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX D**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 4: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 47-48).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
4	BOMAG Model BW211PD-5 84" Single Drum Padfoot Roller or Equivalent	\$ <u>no bid</u> . <u> </u>
		Trade-In Value
Trade-In Value for used & flood-damaged: BOMAG BW213DH-40 (SN: 901582561088)		\$ <u>no bid</u> . <u> </u>
Total Bid Price (Minus Trade-In Value) \$ <u>no bid</u> . <u> </u>		
Projected Delivery Lead Time from Date of Purchase:		<u> </u> weeks
Equivalent Item Description (Make & Model) for Item No. 4: <hr/>		

Bid Form (Continued)

Bid Item 5: IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX E**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 5: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Page 51).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
5	John Deere 5065E Utility Tractor OOS 4WD or Equivalent	\$ _____ no bid _____ . _____
		Trade-In Value
Trade-In Value for used & flood-damaged: Ford 5000 Tractor		\$ _____ no bid _____ . _____
Total Bid Price (Minus Trade-In Value) \$ _____ no bid _____ . _____		
Projected Delivery Lead Time from Date of Purchase:		_____ no bid _____ weeks
Equivalent Item Description (Make & Model) for Item No. 5: _____		

Bid Form – Acknowledgement of Addenda

Acknowledgment of Addenda (if any):

Addendum 1 _____ Date Received _____

Addendum 2 _____ Date Received _____

Addendum 3 _____ Date Received _____

Bidder Shall Return Completed Form with Offer.

Vendor References

Please list at least three (3) companies or governmental agencies (preferably a municipality) where the same or similar products and/or services as contained in this specification package were recently provided.

THIS FORM MUST BE RETURNED WITH YOUR BID.

REFERENCE ONE

Government/Company Name: Jefferson County DD6

Address: _____

Contact Person and Title: Steve Hubert

Phone: (409)658-0761 Fax: _____

Email Address: _____ Contract Period: _____

Scope of Work: _____

REFERENCE TWO

Government/Company Name: Trinity Bay Conservation Dist

Address: _____

Contact Person and Title: Jerry Shadden

Phone: (409)296-3602 Fax: _____

Email Address: _____ Contract Period: _____

Scope of Work: _____

REFERENCE THREE

Government/Company Name: City of Beaumont

Address: _____

Contact Person and Title: Jeff Harville

Phone: (409)842-5885 Fax: _____

Email Address: _____ Contract Period: _____

Scope of Work: _____

Bidder Shall Return Completed Form with Offer.

Signature Page

As permitted under Article 4413 (32c) V.A.C.S., other governmental entities may wish to participate under the same terms and conditions contained in this contract (i.e., piggyback). In the event any other entity participates, all purchase orders will be issued directly from and shipped directly to the entity requiring supplies/services. Jefferson County shall not be held responsible for any orders placed, deliveries made or payment for supplies/services ordered by another entity. Each entity reserves the right to determine their participation in this contract.

Would bidder be willing to allow other governmental entities to piggyback off this contract, if awarded, under the same terms and conditions?..... Yes ☒ No ☐

This bid shall remain in effect for ninety (90) days from bid opening and shall be exclusive of federal excise and state and local sales tax (exempt).

The undersigned agrees, if this bid is accepted, to furnish any and all items upon which prices are offered, at the price and upon the terms and conditions contained in the Invitation for Bid, Conditions of Bidding, Terms of Contract, and Specifications and all other items made a part of the accepted contract.

The undersigned affirms that they are duly authorized to execute the contract, that this company, corporation, firm, partnership or individual has not prepared this bid in collusion with any other bidder, and that the contents of this bid as to prices, terms or conditions of said bid have not been communicated by the undersigned nor by any employee or agent to any other bidder or to any other person(s) engaged in this type of business prior to the official opening of this bid. And further, that neither the bidder nor their employees nor agents have been for the past six (6) months directly nor indirectly concerned in any pool or agreement or combination to control the price of goods or services on, nor to influence any person to bid or not to bid thereon.

Mustang Cat

Bidder (Entity Name)

7990 Eastex Freeway

Street & Mailing Address

Beaumont, TX 77708

City, State & Zip

(409)201-9500

Telephone Number

seleon@mustangcat.com

E-mail Address



Signature

Stevan de Leon

Print Name

06/06/2018

Date Signed

Fax Number

Bidder Shall Return Completed Form with Offer.

Conflict of Interest Questionnaire

CONFLICT OF INTEREST QUESTIONNAIRE For vendor doing business with local governmental entity		FORM CIQ
<p>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</p> <p>This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).</p> <p>By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.</p> <p>A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.</p>	<div style="border: 1px solid black; padding: 2px; text-align: center; font-weight: bold;">OFFICE USE ONLY</div> <div style="border: 1px solid black; padding: 2px;">Date Received</div>	
<div style="border: 1px solid black; padding: 2px;"> 1 Name of vendor who has a business relationship with local governmental entity. <div style="text-align: center; font-size: 1.2em;">Mustang Cat</div> </div>		
<div style="border: 1px solid black; padding: 2px;"> 2 <input type="checkbox"/> Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.) </div>		
<div style="border: 1px solid black; padding: 2px;"> 3 Name of local government officer about whom the information in this section is being disclosed. <div style="text-align: center; border-bottom: 1px solid black; margin: 5px 0;">Name of Officer</div> <p>This section (item 3 including subparts A, B, C, & D) must be completed for each officer with whom the vendor has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach additional pages to this Form CIQ as necessary.</p> <p>A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the vendor?</p> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </div> <p>B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer named in this section AND the taxable income is not received from the local governmental entity?</p> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </div> <p>C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more?</p> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </div> <p>D. Describe each employment or business and family relationship with the local government officer named in this section.</p> </div>		
<div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 45%;"> 4 <div style="text-align: center; font-size: 1.5em; margin-top: 20px;">AL</div> <div style="text-align: center; font-size: 0.8em;">Signature of vendor doing business with the governmental entity</div> </div> <div style="width: 45%; text-align: right;"> <div style="font-size: 1.5em; margin-top: 20px;">6-7-18</div> <div style="text-align: center; font-size: 0.8em;">Date</div> </div> </div>		

Adopted 8/7/2015

Bidder Shall Return Completed Form with Offer.

Local Government Officer Conflicts Disclosure Statement - OFFICE USE ONLY

LOCAL GOVERNMENT OFFICER CONFLICTS DISCLOSURE STATEMENT		FORM CIS						
<p>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</p> <p>This is the notice to the appropriate local governmental entity that the following local government officer has become aware of facts that require the officer to file this statement in accordance with Chapter 176, Local Government Code.</p>		OFFICE USE ONLY						
1	Name of Local Government Officer	Date Received						
2	Office Held							
3	Name of vendor described by Sections 176.001(7) and 176.003(a), Local Government Code							
4	Description of the nature and extent of employment or other business relationship with vendor named in Item 3							
5	<p>List gifts accepted by the local government officer and any family member, if aggregate value of the gifts accepted from vendor named in item 3 exceeds \$100 during the 12-month period described by Section 176.003(a)(2)(B).</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Date Gift Accepted</td> <td>Description of Gift</td> </tr> <tr> <td>Date Gift Accepted</td> <td>Description of Gift</td> </tr> <tr> <td>Date Gift Accepted</td> <td>Description of Gift</td> </tr> </table> <p style="text-align: center;">(attach additional forms as necessary)</p>		Date Gift Accepted	Description of Gift	Date Gift Accepted	Description of Gift	Date Gift Accepted	Description of Gift
Date Gift Accepted	Description of Gift							
Date Gift Accepted	Description of Gift							
Date Gift Accepted	Description of Gift							
6	<p>AFFIDAVIT</p> <p>I swear under penalty of perjury that the above statement is true and correct. I acknowledge that the disclosure applies to each family member (as defined by Section 176.001(2), Local Government Code) of this local government officer. I also acknowledge that this statement covers the 12-month period described by Section 176.003(a)(2)(B), Local Government Code.</p> <p style="text-align: right; margin-right: 100px;">_____ Signature of Local Government Officer</p> <p>ATTIX NOTARY STAMP / SEAL ABOVE</p> <p>Sworn to and subscribed before me, by the said _____, this the _____ day of _____, 20____, to certify which, witness my hand and seal of office.</p> <table style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <tr> <td style="width: 33%; border-top: 1px solid black; padding-top: 5px;">Signature of officer administering oath</td> <td style="width: 33%; border-top: 1px solid black; padding-top: 5px;">Printed name of officer administering oath</td> <td style="width: 33%; border-top: 1px solid black; padding-top: 5px;">Title of officer administering oath</td> </tr> </table>		Signature of officer administering oath	Printed name of officer administering oath	Title of officer administering oath			
Signature of officer administering oath	Printed name of officer administering oath	Title of officer administering oath						

Adopted 8/7/2015

Good Faith Effort (GFE) Determination Checklist

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).

☐ Yes ☒ No

Instructions: In order to determine if a "Good Faith Effort" was made in soliciting HUBs for subcontracting opportunities, the following checklist and supporting documentation shall be completed by the Prime Contractor/Consultant, and returned with the Prime Contractor/ Consultant's bid. This list contains the **minimum** efforts that should be put forth by the Prime Contractor/Consultant when attempting to achieve or exceed the goals of HUB Subcontractor participation. The Prime Contractor/Consultant may extend his/her efforts in soliciting HUB Subcontractor participation beyond what is listed below.

Did the Prime Contractor/Consultant . . .

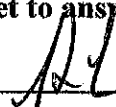
- | | | |
|------------------------------|-----------------------------|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 1. To the extent practical, and consistent with standard and prudent industry standards, divide the contract work into the smallest feasible portions, to allow for maximum HUB Subcontractor participation? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 2. Notify in writing a reasonable number of HUBs, allowing sufficient time for effective participation of the planned work to be subcontracted? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 3. Provide HUBs that were genuinely interested in bidding on a subcontractor, adequate information regarding the project (i.e., plans, specifications, scope of work, bonding and insurance requirements, and a point of contact within the Prime Contractor/Consultant's organization)? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 4. Negotiate in good faith with interested HUBs, and not reject bids from HUBs that qualify as lowest and responsive bidders? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 5. Document reasons HUBs were rejected? Was a written rejection notice, including the reason for rejection, provided to the rejected HUBs? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 6. If Prime Contractor/Consultant has zero (0) HUB participation, please explain the reasons why. |

If "No" was selected, please explain and include any pertinent documentation with your bid.

If necessary, please use a separate sheet to answer the above questions.

Stevan de Leon

Printed Name of Authorized Representative



Signature

Sales rep

Title

06/06/2018

Date

Bidder Shall Return Completed Form with Offer.

Notice of Intent (NOI) to Subcontract with Historically Underutilized Business (HUB)

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).

☐ Yes ☒ No

Instructions for Prime Contractor/Consultant: Bidder shall submit this form with the bid; however, the information below may be submitted after contract award, but prior to beginning performance on the contract. Please submit one form for each HUB Subcontractor/Subconsultant with proper signatures, per the terms and conditions of your contract.

Contractor Name: _____ HUB: ☐ Yes ☐ No

Address: _____

Street	City	State	Zip
--------	------	-------	-----

Phone (with area code): _____ Fax (with area code): _____

Project Title & No.: _____

Prime Contract Amount: \$

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity): _____

Certifying Agency: ☐ Tx. Bldg & Procurement Comm. ☐ Jefferson County ☐ Tx Unified Certification Prog.

Address: _____

Street	City	State	Zip

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed:

Printed Name of Contractor Representative

Signature of Representative

Date _____

Printed Name of HUB

Signature of Representative

Date _____

NOTE: NOTHING ON THIS NOTICE OF INTENT FORM IS INTENDED TO CONFER ANY RIGHTS, EXPRESSED OR IMPLIED, TO ANY THIRD PARTIES.

Pre-Approval for Subcontractor Substitutions must be obtained from the Jefferson County Purchasing Agent's Representative. The "HUB Subcontractor/Subconsultant Change Form" must be completed and faxed to 409-835-8456.

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 1 OF 4

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).

☐ Yes ☒ No

Prime Contractor: _____ HUB: ☐ Yes ☐ No

HUB Status (Gender & Ethnicity): _____

Address: _____

Street	City	State	Zip
--------	------	-------	-----

Phone (with area code): _____ Fax (with area code): _____

Project Title & No.: _____ IFB/RFP No.: _____

Total Contract: \$ _____ Total HUB Subcontract(s): \$ _____

Construction HUB Goals: 12.8% MBE:: _____ % 12.6% WBE: _____ %

Sub-goals: 1.7 African-American, 9.7% Hispanic, 0.7% Native American, 0.8% Asian American.
Use these goals as a guide to diversify.

FOR HUB OFFICE USE ONLY:

Verification date HUB Program Office reviewed and verified HUB Sub information Date: Initials:

PART I. HUB SUBCONTRACTOR DISCLOSURE

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity):

Certifying Agency: ☐ Texas Bldg & Procurement Comm. ☐ Texas Unified Certification Prog.

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: %

Description of Subcontract Work to be Performed:

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 3 OF 4

PART II: STATEMENT OF NON-COMPLIANCE FOR NOT MEETING HUB SUBCONTRACTING GOALS

Please complete Good Faith Effort (GFE) Checklist and attach any supporting documentation.

Our firm was unable to meet the HUB goals for this project for the following reasons:

- ☐ All subcontractors to be utilized are "Non-HUBs." (Complete Part III)
- ☐ HUBs were solicited but did not respond.
- ☐ HUBs solicited were not competitive.
- ☐ HUBs were unavailable for the following trade(s):
- ☐ Other:

Was the Jefferson County HUB Office contacted for assistance in locating HUBs? ☐ Yes ☐ No

PART III: DISCLOSURE OF OTHER "NON-HUB" SUBCONTRACTS

The bidder shall use this area to provide a listing of all "Non-HUB" Subcontractors, including suppliers, that will perform under this project. A list of those "Non-HUB" Subcontractors the bidder selects, after bid submission, shall be provided to the Purchasing Office not later than five (5) calendar days after being notified that bidder is the apparent low bidder. A list of those "Non-HUB" Subcontractors that are selected after contract award must be provided **immediately** after their selection.

Subcontractor Name: _____

Address: _____

Street	City	State	Zip
--------	------	-------	-----

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: %

Description of Subcontract Work to be Performed: _____

Subcontractor Name:

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed:

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 4 OF 4

Subcontractor Name: _____

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

Subcontractor Name: _____

Address: _____

Street	City	State	Zip
--------	------	-------	-----

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

I hereby certify that I have read the *HUB Program Instructions and Information*, truthfully completed all applicable parts of this form, and **attached any necessary support documentation as required**. I fully understand that intentionally falsifying information on this document may result in my not receiving a contract award or termination of any resulting contract.

Name (print or type): _____

Title:

Signature: _____

Date: _____

E-mail address: _____

Contact person that will be in charge of invoicing for this project:

Name (print or type): _____

Title:

Date: _____

E-mail address:

Bidder Shall Return Completed Form with Offer.

Residence Certification/Tax Form

Pursuant to Texas Government Code §2252.001 *et seq.*, as amended, Jefferson County requests Resident Certification. §2252.001 *et seq.* of the Government Code provides some restrictions on the awarding of governmental contracts; pertinent provisions of §2252.001 are stated below:

- (3) "Nonresident bidder" refers to a person who is not a resident.
- (4) "Resident bidder" refers to a person whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.

☒ I certify that Mustang Cat [company name] is a Resident Bidder of Texas as defined in Government Code §2252.001.

☐ I certify that _____ [company name] is a Nonresident Bidder as defined in Government Code §2252.001 and our principal place of business is _____ (city and state).

Taxpayer Identification Number (T.I.N.):	1-20-0421611-0
Company Name submitting bid/proposal:	Mustang Cat
Mailing address:	7990 eastex freeway, Beaumont TX 77708
If you are an individual, list the names and addresses of any partnership of which you are a general partner:	

Property: List all taxable property owned by you or above partnerships in Jefferson County.

Jefferson County Tax Acct. No.*	Property address or location**
	7990 eastex freeway, beaumont tx 77708
	3200 N twin city freeway. Nederland TX, 77627

* This is the property amount identification number assigned by the Jefferson County Appraisal District.

** For real property, specify the property address or legal description. For business property, specify the address where the property is located. For example, office equipment will normally be at your office, but inventory may be stored as a warehouse or other location.

Bidder Shall Return Completed Form with Offer.

Bid Affidavit

The undersigned certifies that the bid prices contained in this bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all commodities upon which prices are extended at the price offered, and upon the conditions contained in the specifications and the Notice to Bidders.

STATE OF TX COUNTY OF JEFFERSON

BEFORE ME, the undersigned authority, a Notary Public in and for the State of TX,

on this day personally appeared Steven de la, who
(name)

after being by me duly sworn, did depose and say:

"I, Steven de la am a duly authorized officer of/agent
(name)
for MusLang CA and have been duly authorized to execute the
(name of firm)
foregoing on behalf of the said MusLang CA.
(name of firm)

I hereby certify that the foregoing bid has not been prepared in collusion with any other bidder or other person or persons engaged in the same line of business prior to the official opening of this bid. Further, I certify that the bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities bid on, or to influence any person or persons to bid or not to bid thereon."

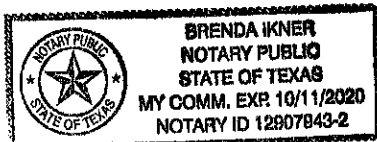
Name and address of bidder: MusLang CA
7900 Euclid Freeway, Beaumont TX 77708

Fax: _____ Telephone# 409-201-9502
by: Steven de la Title: SALES RM
(print name)

Signature: _____

SUBSCRIBED AND SWORN to before me by the above-named
Steven de la on

this the 7th day of June, 2018.



Brenda Ikner
Notary Public in and for
the State of TEXAS

Bidder Shall Return Completed Form with Offer.



**JEFFERSON COUNTY, TEXAS
PURCHASING DEPARTMENT**

1149 Pearl Street – First Floor
Beaumont, Texas 77701
409-835-8593 phone

ADDENDUM TO IFB

IFB Number: IFB 18-013/JW

IFB Title: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

IFB Due: 11:00 am CDT, Tuesday, June 19, 2018

Addendum No.: 1

Issued (Date): June 7, 2018

TO BIDDER: This Addendum is an integral part of the IFB package under consideration by you as a Bidder in connection with the subject matter herein identified. Jefferson County deems all sealed proposals to have been proffered in recognition and consideration of the entire IFB package – **including all addenda**. For purposes of clarification, **receipt of this present Addendum by a Bidder should be evidenced by returning it (signed) as part of the Bidder's sealed proposal.** If the Proposal has already been received by the Jefferson County Purchasing Department, Bidder should return this addendum in a separate sealed envelope, clearly marked with the IFB Title, IFB Number, and Opening Date and Time, as stated above.

Reason for Issuance of this addendum: Revisions to Page 39 of Bid Specifications

The information included herein is hereby incorporated into the documents of this present Bid matter and supersedes any conflicting documents or portion thereof previously issued.

Receipt of this Addendum is hereby acknowledged by the undersigned Bidder:

ATTEST

Witness

Witness

Authorized Signature (Bidder)

Store Manager

Title of Person Signing Above

Mustang Cat

Typed Name of Business or Individual

Approved by _____ Date: 6-11-2018

7990 Eastex Freeway/ Beaumont/TX/77708
Address

Addendum No. 1 – Revised Page 39 of Bid Specifications

BASIC SPECIFICATIONS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

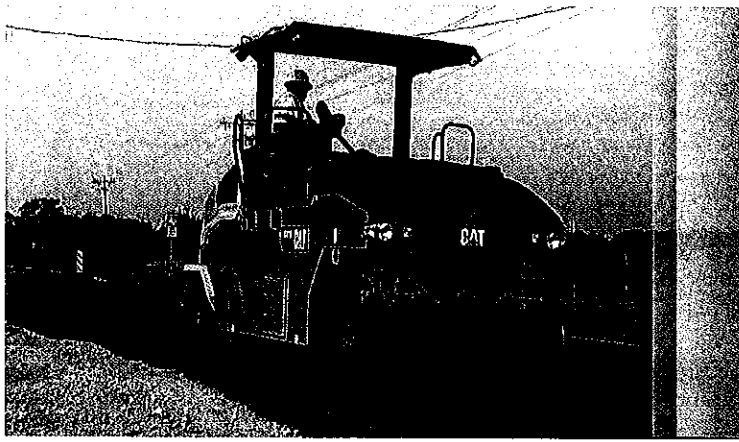
- ☒ Base Machine weight should not be less than ~~27,000~~ 11,075 lbs
- ☒ Machine should operate with a ballast weighing up to 6,000 lbs
- ☐ Capable of speed: 15.5 mph or higher
- ☐ Water Tank Capacity of at least 150 gallons
- ☒ Turning Radius: 9 ft.
- ☒ ROP Height: 9.4'
- ☒ Self-lubricating bushings that are maintenance-free
- ☒ Maintenance-free braking system
- ☒ Flashing lights and blinkers for on-road safety

STANDARD EQUIPMENT

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Scraper per wheel
- ☒ Hour meter
- ☒ Warning horn
- ☒ Control panel for: engine oil pressure, engine temperature, air filter vacuum, charge control, hydraulic oil filter, coolant level, fuel tank capacity
- ☐ (2) outside mirrors
- ☒ Lockable anti-vandal dashboard protection
- ☒ Operator's platform with: one steering wheel, laterally sliding swivels
- ☒ Back-up alarm
- ☒ Hydrostatic transmission
- ☒ Tier 4 Kubota Diesel Engine
- ☒ Nine 7.50 X 15 X 14 ply tires
- ☒ Fuel gauge
- ☒ Hydrostatic, center articulated steering with +/- 10 degree frame oscillation



Cat® CW16

PNEUMATIC TIRE ROLLER

Top Features

The Cat® CW16 is a standard 9 wheel pneumatic roller with an option to increase to 11 wheels. Equipped with an efficient Cat engine, this machine delivers smooth, reliable compaction performance on asphalt and soft base materials.

- **Exceptional Visibility and Control** with a rotating operating station, LCD display and touch-pad machine functions. ROPS or Sun Canopy options are available.
- **Smooth Operating Powertrain** with Eco-mode, electronic propel control and smooth braking system. An exclusive two-speed hydrostatic propel system delivers excellent maneuverability with speeds up to 19 km/hr (12 mph). The system shifts smoothly between speed ranges while also providing the ability to coast for a fuel saving enhancement.
- **Versatile Compaction Performance** is offered by the flexible ballast options, and oscillating front wheels. Ballast options include steel, sand, and water, making it easy to adjust operating weights and match job site requirements. Oscillating front wheels deliver compaction across the entire machine width for excellent results.
- **Pickup Prevention** provided by the pressurized water spray system, wheel scrapers or cocoa mats, and optional heat retention aprons help keep asphalt and aggregates on the road surface where they belong.
- **Best Lifetime Value** delivered through Eco-mode, efficient engine, and exclusive propel control minimize life-time operating costs and maximize profit.

Specifications

Weights

	Operating Weights		Load per Wheel
CW16 w/Standard 9 Wheels			
Base machine	5200 kg	11,464 lb	0.58 mt
w/Water	8700 kg	19,180 lb	0.97 mt
w/Wet Sand	12 200 kg	26,896 lb	1.36 mt
w/Steel	8500 kg	18,739 lb	0.94 mt
w/Steel and Water	11 750 kg	25,904 lb	1.31 mt
w/Steel and Wet Sand	15 000 kg	33,069 lb	1.67 mt
CW16 w/11 Wheel Option			
Base machine	5300 kg	11,685 lb	0.48 mt
w/Water	8800 kg	19,400 lb	0.80 mt
w/Wet Sand	12 300 kg	27,117 lb	1.11 mt
w/Steel	8600 kg	18,960 lb	0.78 mt
w/Steel and Water	11 750 kg	25,904 lb	1.06 mt
w/Steel and Wet Sand	14 900 kg	32,849 lb	1.35 mt

Service Refill Capacities

CW16 w/C3.4B Engine		
Fuel tank	146 L	38 gal
DEF tank	19 L	5 gal
Cooling system	16.6 L	4.4 gal
Engine oil w/filter	6.5 L	1.7 gal
Hydraulic tank	31.9 L	8.4 gal
Water tank	348 L	92 gal
CW16 w/C4.4 Engine		
Fuel tank	146 L	38 gal
Cooling system	18.3 L	4.8 gal
Engine oil w/filter	9.5 L	2.5 gal
Hydraulic tank	31.9 L	8.4 gal
Water tank	348 L	92 gal

Engine – Powertrain

Cat C3.4B ACERT™ Engine*	75 kW	101.9 hp (M)	100.5 hp (I)
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* Engine meets U.S. EPA Tier 4 Final and EU Stage IV emissions

* Turbo-charged

Number of cylinders 4

Rated speed 2200 rpm

Cat C4.4 ACERT Engine**	75 kW	101.9 hp (M)	100.5 hp (I)
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** Engine meets emissions equivalent to U.S. EPA Tier 3, EU Stage IIIA, and China Stage III.

Number of cylinders 4

Rated speed 2200 rpm

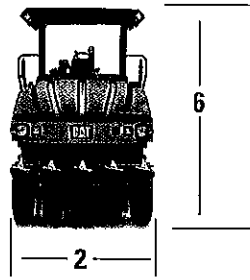
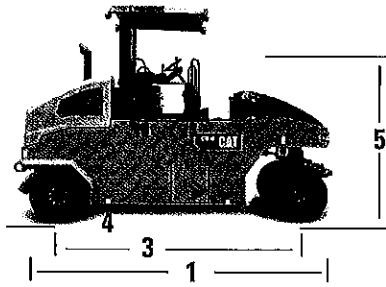
Travel Speed Ranges:

low	0 - 9 km/hr	6 mph
high	0 - 19 km/hr	12 mph



CW16 Pneumatic Tire Roller

Dimensions



1 Overall length	4290 mm	14' 1"
2 Compaction width		
9 wheel - Radial	1728 mm	68"
9 wheel - Bias	1754 mm	69"
11 wheel - Radial	2103 mm	83"
11 wheel - Bias	2132 mm	84"
Tire overlap - Radial	32 mm	1.25"
Tire overlap - Bias	36 mm	1.42"
3 Wheelbase	3340 mm	10' 11"
4 Ground clearance	267 mm	10.5"
5 Height (steering wheel)	2320 mm	91"
6 Height (ROPS)	3000 mm	9' 10"

Ground Contact Pressures

Weight per Wheel

CW16 Pneumatic Compactor				12-Ply 7.5 x 15 Radial Tire							14-Ply 7.5 x 15 Bias Tire								
Average Wheel Load	Tire Pressure		kPa	344	413	482	550	619	688	757	344	413	482	550	619	688	757	826	862
			psi	50	60	70	80	90	100	110	50	60	70	80	90	100	110	120	125
	545 kg 1,200 lb	GCP	kPa	236	266	284	306	317	317	344	243	266	284	295	317	330	344	359	367
			psi	34	39	41	44	46	46	50	35	39	41	43	46	48	50	52	53
	970 kg 2,145 lb	GCP	kPa	250	284	314	343	369	378	410	259	295	321	343	369	388	420	421	427
			psi	36	41	46	50	54	55	60	38	43	47	50	54	56	60	61	62
	1440 kg 3,180 lb	GCP	kPa	280	304	331	358	390	405	607	273	312	336	364	390	413	437	465	475
			psi	41	44	48	52	57	59	88	40	45	49	53	57	60	64	68	69

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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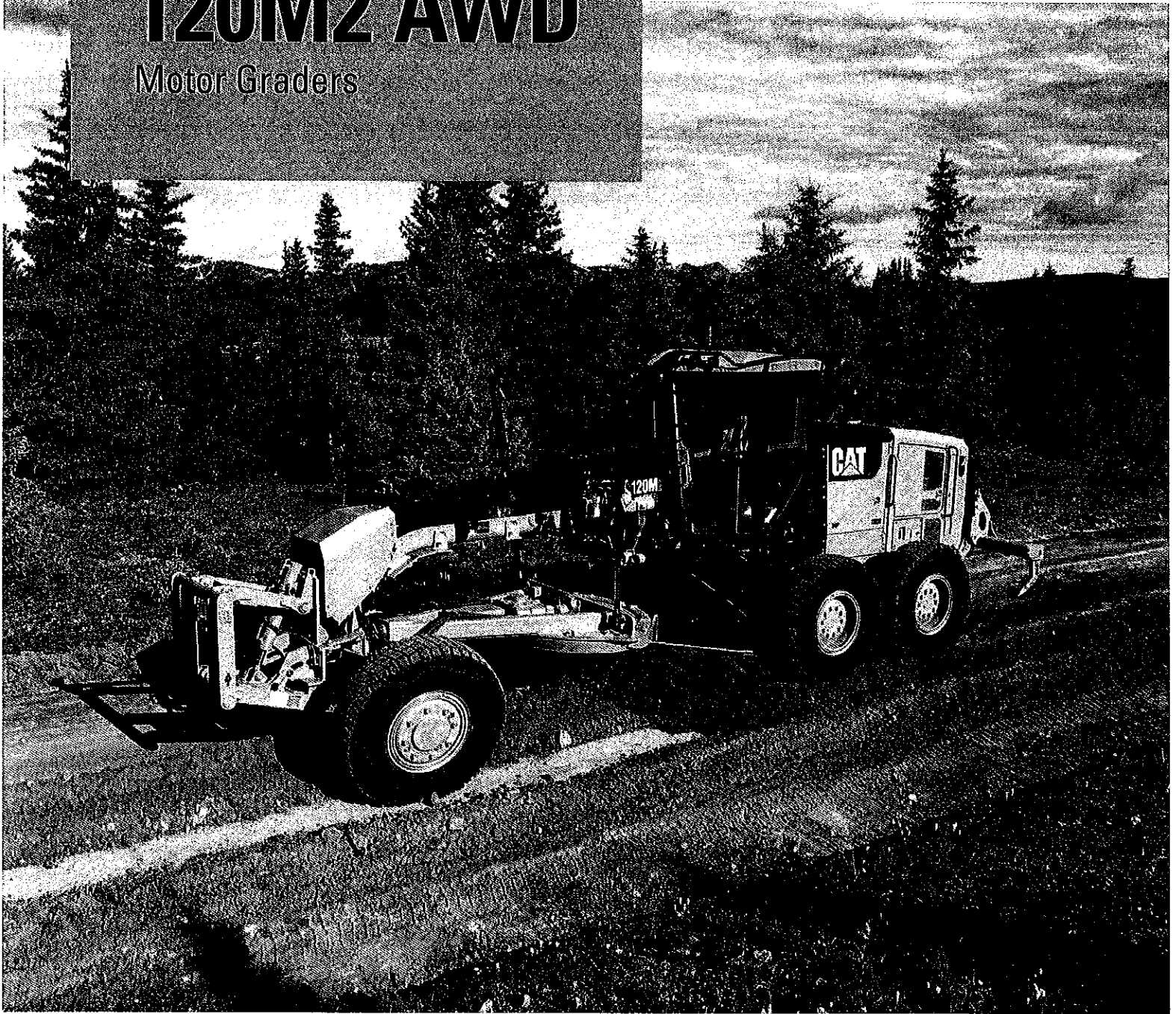
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120M2/ 120M2 AWD

Motor Graders



Engine

Engine Model	Cat® C7.1 ACERT™	
Base Power (1st gear) – Net	108 kW	145 hp
Base Power (1st gear) – Net (Metric)		147 hp
VHP Plus range – Net	108-141 kW	145-189 hp
VHP Plus range – Net (Metric)		147-192 hp
AWD range – Net	114-156 kW	153-209 hp
AWD range – Net (Metric)		155-212 hp

Emissions

U.S. Tier 4 Interim/EU Stage IIIB

Moldboard

Blade width	3.7 m	12 ft
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Weights

Operating Weight, typically equipped	18 095 kg	39,892 lb
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Weights – AWD

Operating Weight, typically equipped	18 987 kg	41,859 lb
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Features

Operator Station

A revolutionary cab design provides unmatched comfort, visibility and ease of use, making the operator more confident and productive.

Engine and Power Train

Combining power management with ACERT™ Technology delivers maximum power and efficiency while reducing the environmental impact. M Series 2 Motor Graders meet U.S. Tier 4 Interim/EU Stage IIIB emission standards.

Structures, Drawbar, Circle and Moldboard

Durable structures with fast and simple DCM adjustments deliver precise material control while lowering operating costs.

Hydraulics

The M Series 2 Motor Grader electro-hydraulics enable advanced machine controls with precise and predictable movements.

Integrated Technologies

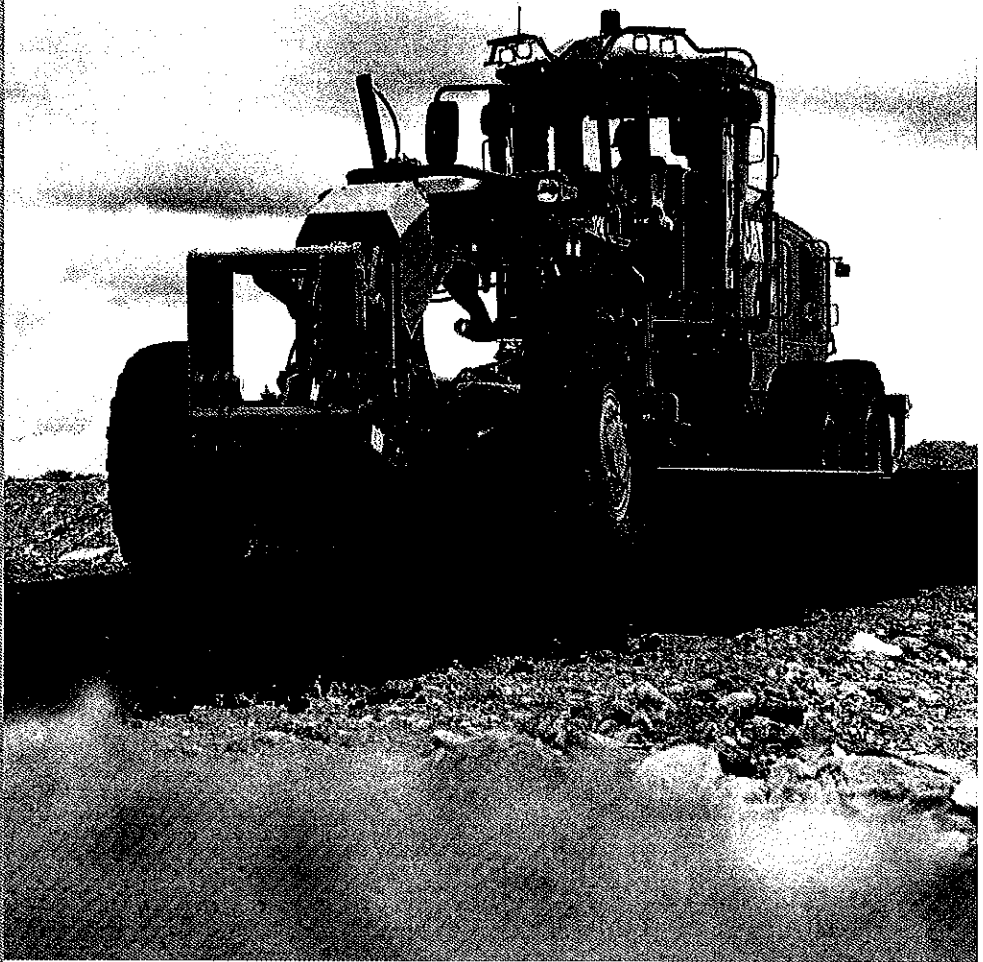
Full systems integration optimizes machine performance and availability.

All Wheel Drive (AWD)

Maximum productivity with six powered wheels. Hydrostatic Mode powers only the front wheels, perfect for precise finishwork. Steering Compensation adjusts the outside front tire speed for tighter turns, less scrubbing and tire wear, and improved control.

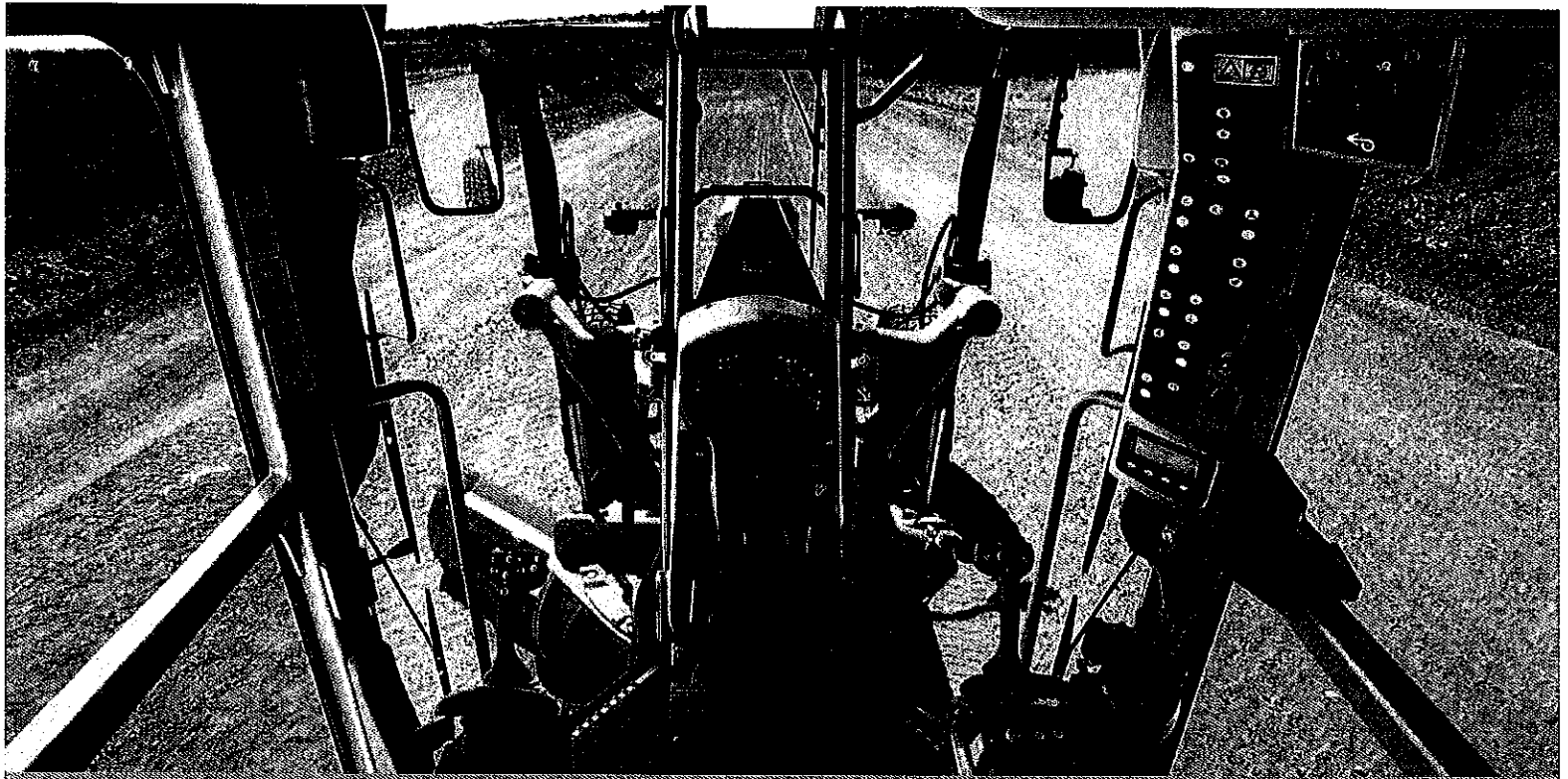
Contents

Operator Station	3
Steering and Implement Controls	4
Emissions Technology	6
Engine	6
Power Train	6
Structures and DCM	7
"Smart" Machine Systems	8
All Wheel Drive (AWD)	8
Hydraulics	9
Integrated Technologies	10
Work Tools and Attachments	11
Safety	12
Customer Support	13
Sustainability	13
120M2/120M2 AWD	
Motor Grader Specifications	14
120M2/120M2 AWD Standard Equipment	18
120M2/120M2 AWD Optional Equipment	19



The M Series 2 continues the legacy of quality already established by Cat® Motor Graders. The extensive validation program, combined with improvements to the manufacturing process, allows Caterpillar to further enhance our quality.

The end result of this development process is a motor grader line with breakthrough technologies, tested in the field and built around real applications and real customer needs. M Series 2 Motor Graders meet U.S. EPA Tier 4 Interim/EU Stage IIIB emission standards.



Operator Station

Comfort, productivity, advanced technology.

Visibility

Angled cab doors, a tapered engine enclosure and patented sloped rear window assure excellent visibility to the work area.

Maximum Control, Maximum Comfort

Caterpillar has built the most comfortable cab in the industry, replacing the control levers and steering wheel with two joystick controls, and lengthening the cab for more leg room. Machine design features, like angled doors, provide excellent visibility.

Operator Comfort

The Cat Comfort Series suspension seat and arm/wrist rests are fully adjustable for improved comfort and productivity. Extra leg room, easy-to-reach long-life rocker switches and revolutionary joystick controls make this the most comfortable cab in the industry.

Standard HVAC system

The high capacity system dehumidifies and pressurizes the cab, circulates fresh air, seals out dust and keeps windows clear.

Low Interior Sound and Vibration Levels

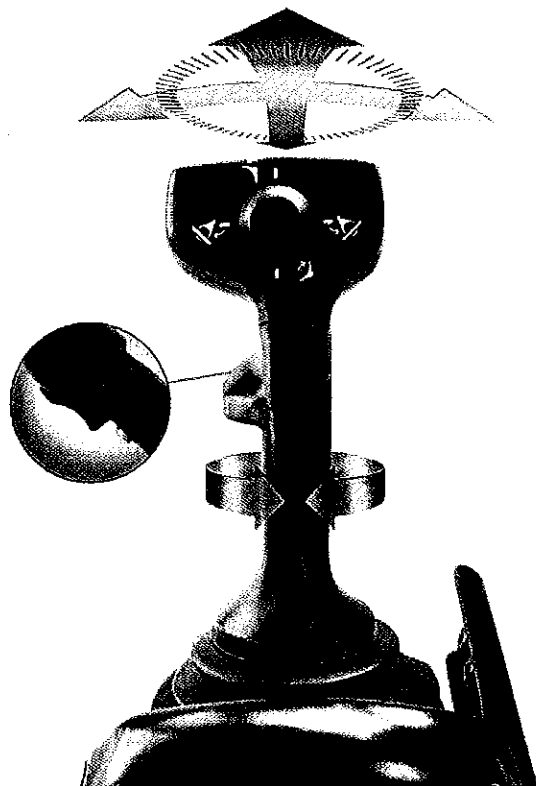
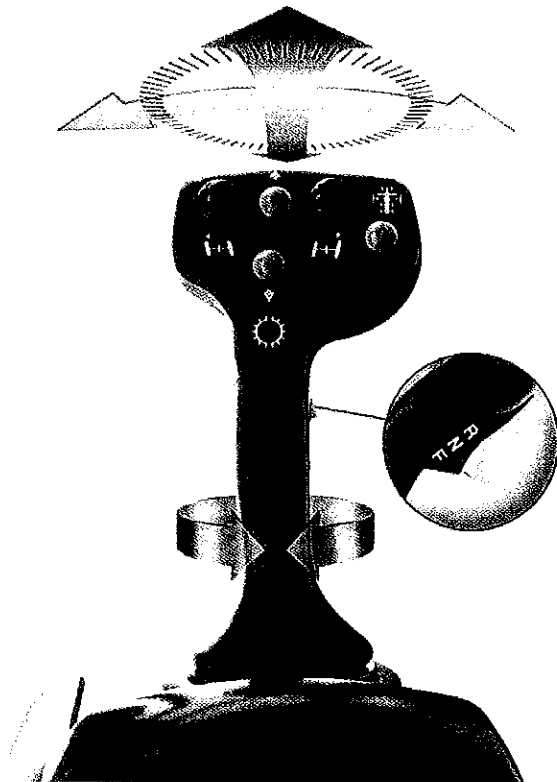
Multiple isolation mounts along with relocated hydraulic pump and valves significantly improve operator comfort and productivity.

In-Dash Instrument Cluster

Easy-to-read, high-visibility gauges and warning lamps keep the operator aware of critical system information.

Steering and Implement Controls

Unprecedented precision and ease of operation



Ease of Operation

Two electro-hydraulic joysticks require up to 78% less hand and wrist movement than conventional lever controls for greatly enhanced operator comfort and efficiency. The intuitive control pattern allows both new and experienced operators to quickly become productive.

Electronically adjustable control pods help position joysticks for optimal comfort, visibility and proper operation.

Joystick Functions

- The left joystick primarily controls the machine direction and speed including steering, articulation, return-to-center, wheel lean, gear selection, left moldboard lift cylinder and float.
- The right joystick primarily controls drawbar, circle and moldboard functions including right moldboard lift cylinder and float, moldboard slide and tip, circle turn, drawbar center shift, electronic throttle control and manual differential lock/unlock.

Intuitive Steering Control

Joystick lean angle mirrors the steer tires' turning angle. A brake tensioning system holds the joystick in position until the operator moves it. The steering control automatically reduces steering sensitivity at higher ground speeds for comfortable and predictable control.

Electronic Throttle Control

Provides easy, precise and consistent throttle operation. An automatic/manual mode switch offers flexibility for different applications and operator preferences.

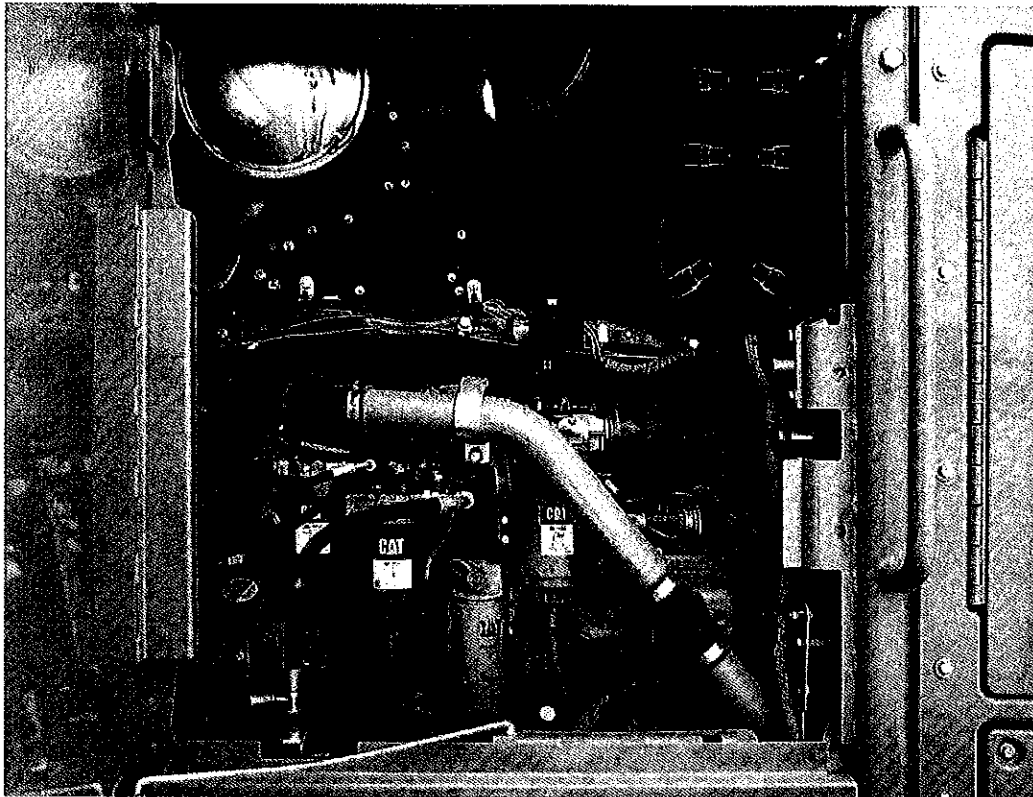
Articulation Return-to-Center

Automatically returns the machine to a straight frame position from any angle with the touch of a button.

Auxiliary Pod and Ripper Control (Optional)

Ergonomically positioned to allow simple, comfortable operation for the multiple hydraulic options.

- Four fingertip controls and a mini joystick maximize control of up to six hydraulic circuits. Individual functions can be programmed with Electronic Technician (Cat ET). The auxiliary hydraulic pod is provided when the machine is configured with three or more auxiliary functions.
- Infinitely variable roller switches provide precise control of the rear ripper and/or front lift group (when equipped).



Engine

Power and reliability

A Cat C7.1 ACERT™ engine and Cat Clean Emissions Module deliver the performance and efficiency that customers demand while meeting Tier 4 Interim/Stage IIIB emission standards.

The C7.1 ACERT engine has superior torque and digging capability to pull through sudden, short-term loads and maintain consistent, desirable grading speeds to get work done faster without downshifting. The High-Pressure Common Rail Fuel System improves precision and control with full electronic injection that boosts performance and reduces soot.

Hydraulic Demand Fan

The hydraulic demand fan automatically adjusts cooling fan speed according to engine cooling requirements. This reduces demand on the engine, putting more horsepower to the ground and improves fuel efficiency. Swing-out design allows easy access to cooling cores and reduces clean-out time.

Emissions Technology

Reliable, integrated solutions.

Cat NOx Reduction System

The Cat NOx Reduction System captures and cools a small quantity of exhaust gas, then routes it into the combustion chamber where it drives down combustion temperatures and reduces NOx emissions.

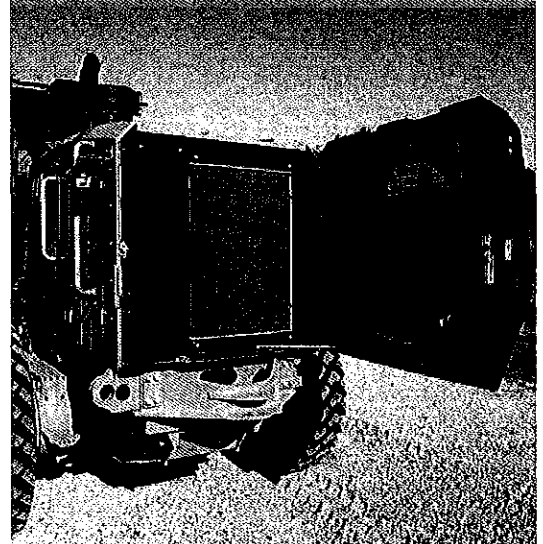
Aftertreatment Technologies

To meet Tier 4 Interim/Stage IIIB emission standards and beyond, Cat aftertreatment components have been designed to match application needs. System components include a **Diesel Oxidation Catalyst (DOC)**, which uses a chemical process to convert regulated emissions in the exhaust system, and a **Diesel Particulate Filter (DPF)** that traps particulate matter that is carried into the exhaust stream.

The DOC, DPF and Cat Regeneration System are contained in a Caterpillar designed Clean Emission Module (CEM) that protects the components, minimizes the aftertreatment footprint and simplifies maintenance.

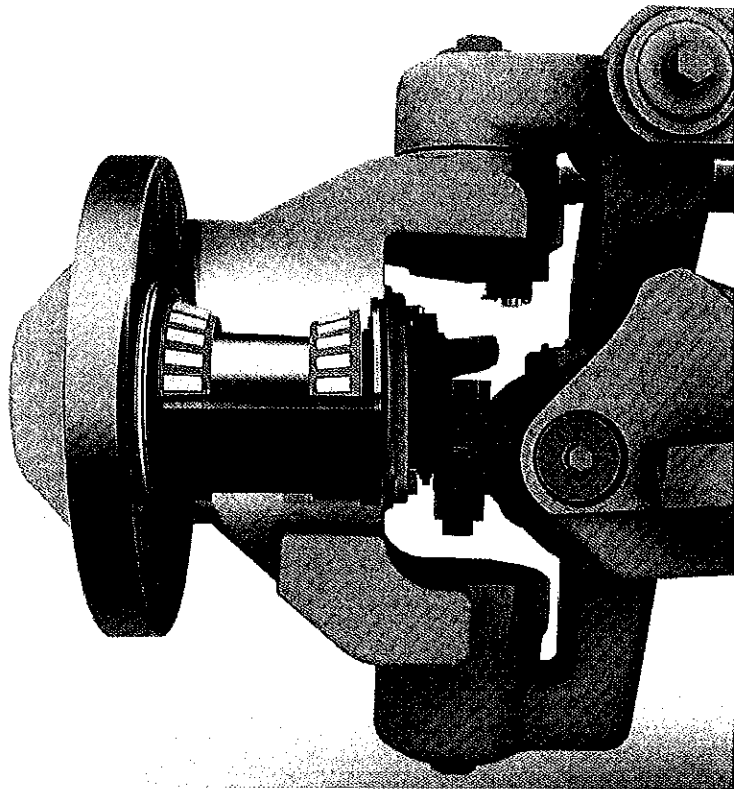
Cat Regeneration System

The Cat Regeneration System is designed to work transparently, without any interaction needed from the operator. Under most operating conditions, engine exhaust is hot enough to oxidize soot through passive regeneration. If supplemental regeneration is needed, the Cat Regeneration System elevates exhaust gas temperatures to remove soot in the Diesel Particulate Filter (DPF). This is a process that happens automatically, but the operator can initiate the cycle when convenient or interrupt regeneration as needed. A soot level monitor can be viewed on the Cat Messenger screen and regeneration indicator lights are integrated into the front console.



Power Train

Maximum power to the ground.



Automatic Differential Lock

Unlocks the differential during a turn, re-locks when straight, for easier operation and lower power train protection.

Front Axle

The Cat sealed spindle keeps bearings free from contaminants and lubricated in a light weight oil. The Cat "Live Spindle" design places the larger tapered roller bearing outboard where the load is greater, extending bearing life.

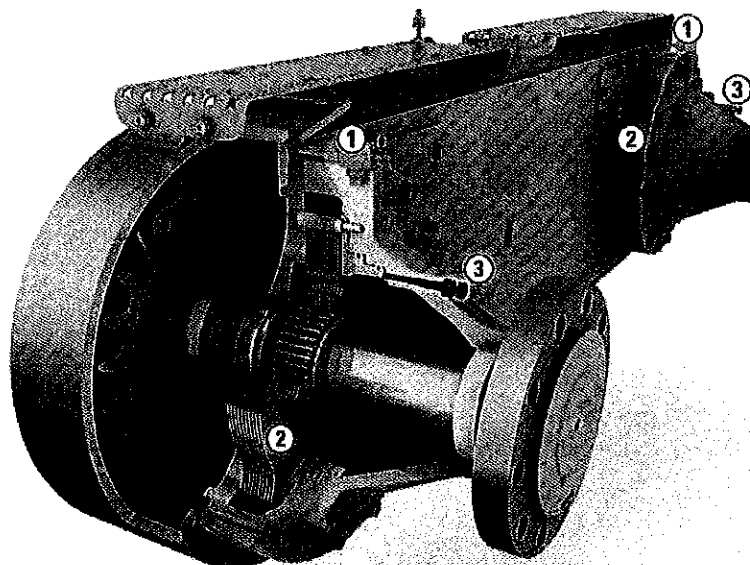
Inching Pedal

Allows precise control of machine movements and excellent modulation, critical in close-quarter work or finish grading.

Smooth Shifting Transmission

Several key innovations ensure smooth, powerful shifts.

- Full Electronic Clutch Pressure Control (ECPC) system optimizes inching modulation for smooth shifts and directional changes, reducing stress on gears.
- Controlled Throttle Shifting helps to smooth directional and gear changes without using the inching pedal.
- Load Compensation ensures consistent shift quality regardless of blade or machine load.
- This standard feature automatically shifts the transmission at optimal points so the operator can focus on the work to help improve safety, productivity and ease of operation.
- Power Shift Countershaft Transmission and the Cat C7.1 ACERT™ engine maximize power to the ground. Eight forward/six reverse gears optimize productivity.
- Engine Over-Speed Protection prevents downshifting until an acceptable safe travel speed has been established.

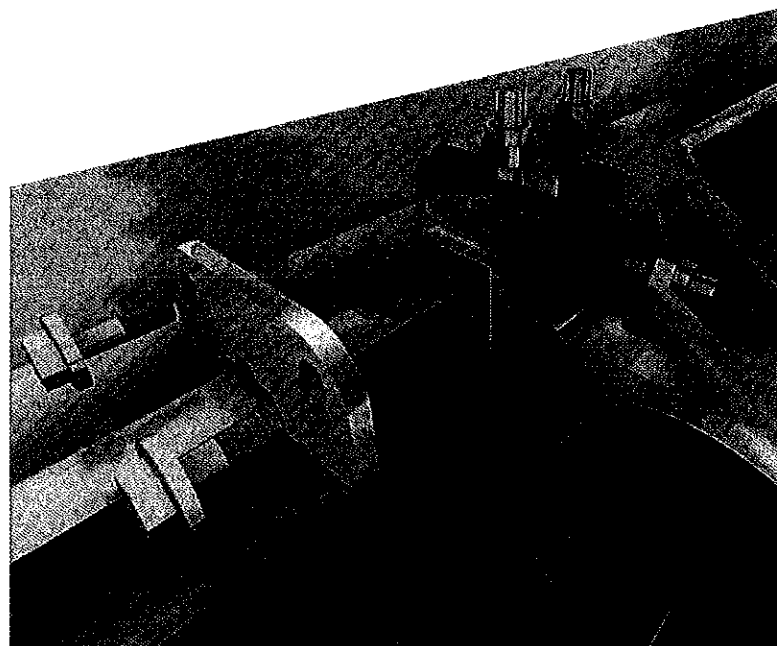
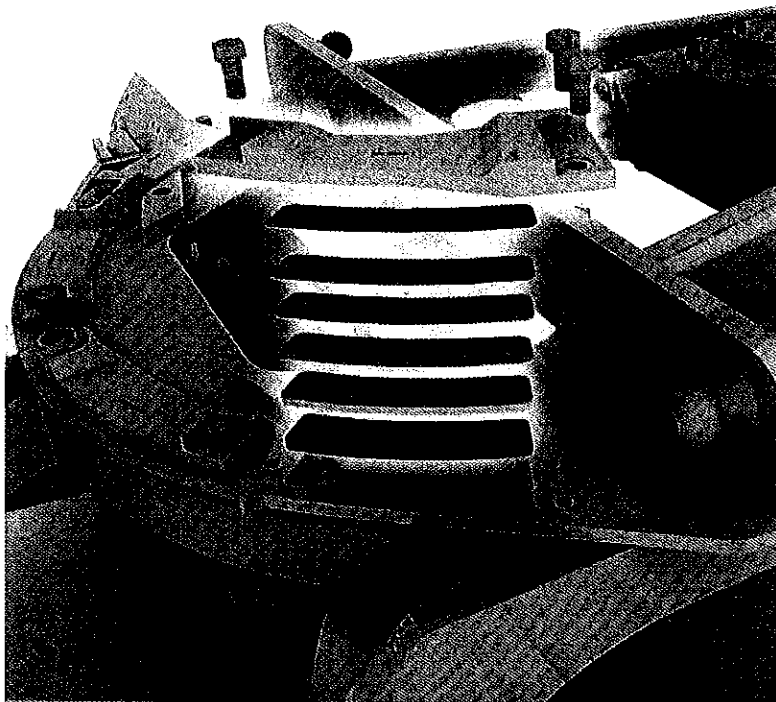


Bolt-On Modular Rear Axle

Improves serviceability and contamination control with easy access to differential components.

Hydraulic Brakes

Hydraulically actuated, oil bathed, multi-disc service brakes at each tandem wheel (1) offer the industry's largest total brake surface area (2) for dependable stopping power and long brake life. The brake wear indicator/compensator system (3) maintains brake performance and indicates brake wear without disassembly, for fast servicing and longer brake service life. The spring-applied, hydraulically released multi-disc parking brake, sealed and oil-cooled for long life and low service, is integrated into the Operator Presence System to prevent unintended machine movement.



Structures and DCM

Service ease and precise blade control

Heavy Duty Durability

The frame, drawbar and one-piece forged steel circle are designed for durability in heavy duty applications. The strong A-frame drawbar uses a durable tubular design. The front 240° of circle teeth are hardened to reduce wear and ensure component reliability.

Articulation Hitch

A large tapered roller bearing at the lower pivot carries loads evenly and smoothly. Sealed to prevent contamination, a locking pin prevents articulation for safety during service or transport.

Aggressive Blade Angle

Allows material to roll more freely along the blade, particularly dry materials or cohesive soils. Better material control gets the job done faster, requires less power and saves fuel.

Fast, Easy Adjustment Means Tight Components

Shims and patented top-adjust wear strips are easy to add or replace, dramatically reducing downtime and operating costs. Durable nylon composite wear inserts maximize circle torque and component life. Sacrificial brass wear strips between the blade mounting group and moldboard can be replaced easily. Shimless Moldboard Retention System uses vertical and horizontal adjusting screws to keep moldboard wear strips aligned for reduced blade chatter, precise blade control and dramatic reductions in service time.

Moldboard

Heat-treated rails, hardened cutting edges and end bits, and heavy duty bolts assure reliability and long service life. The link bar allows extreme moldboard positioning for bank sloping, ditch cutting and cleaning.



"Smart" Machine Systems

Advanced diagnostics

Sharing key data among systems helps optimize machine performance and aids serviceability.

- Cat Messenger, combined with full systems integration, enhances diagnostic capability. Machine system errors are displayed in both text and fault codes for quick analysis of critical data.
- Electronic Technician (Cat ET) lets service technicians access stored diagnostic data and configure machine parameters through the Cat Data Link.
- Low Battery Elevated Idle raises idle speed when low system voltage is detected, ensuring adequate system voltage and improving battery reliability.
- Automatic Engine Deration protects the engine and aftertreatment by automatically lowering engine torque output and alerting the operator if critical conditions are detected.

All-Wheel Drive (AWD)

Expanded machine versatility.

All Wheel Drive (AWD)

The AWD arrangement utilizes dedicated left and right pumps for precise hydraulic control. The infinitely variable pumps and motors maximize torque in each gear. This delivers the most power to the ground in the industry and increases productivity.

Maximum Net Power

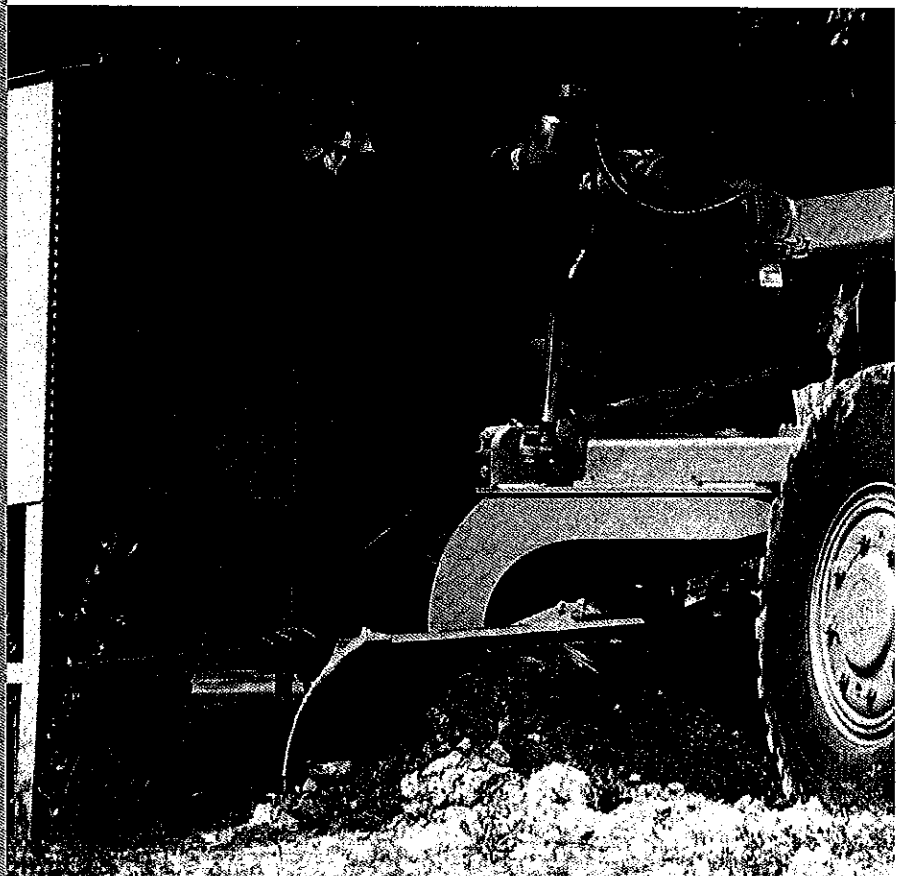
When AWD is engaged, flywheel horsepower is automatically increased up to an additional 45 kW (60 hp) from base power. This offsets the parasitic losses and maximizes net power to the ground for increased productivity.

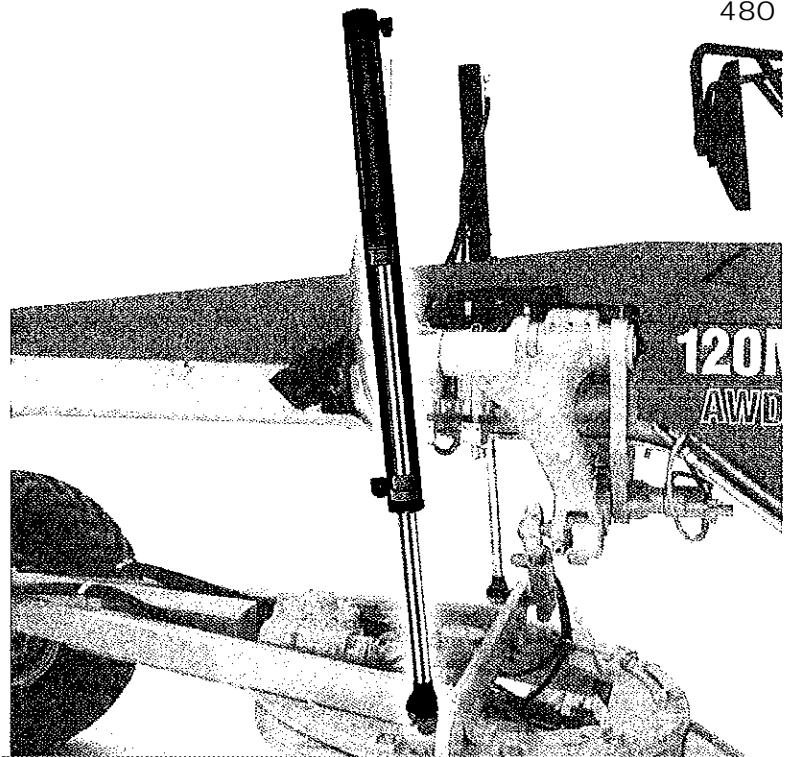
Hydrostatic Mode

Standard with AWD, this mode disengages the transmission and provides hydraulic power to the front wheels only. The ground speed is infinitely variable between 0-8 km/h (0-5 mph), perfect for precise finish work.

Steering Compensation

Cat Steering Compensation System enables a "powered turn" by adjusting the outside front tire speed up to 50% faster than the inside tire. The result is improved control, less damage to surfaces and a dramatic reduction of turning radius in poor underfoot conditions.





Hydraulics

Advanced machine control

Advanced Electro-Hydraulic System

Incorporates a state-of-the-art electro-hydraulic system as the foundation for revolutionary changes in machine and advanced joystick controls.

Blade Float

Allows the blade to move freely under its own weight. By floating both cylinders, the blade can follow the contours of the road, especially useful when removing snow. Floating only one cylinder permits the toe of the blade to follow a hard surface while the operator controls the slope with the other lift cylinder.

Independent Oil Supply

Large, separate hydraulic oil supplies prevent cross-contamination and provide proper oil cooling, which reduces heat build-up and extends component life.

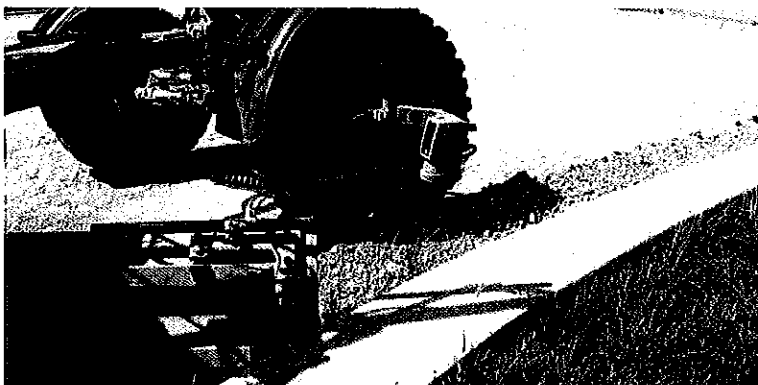
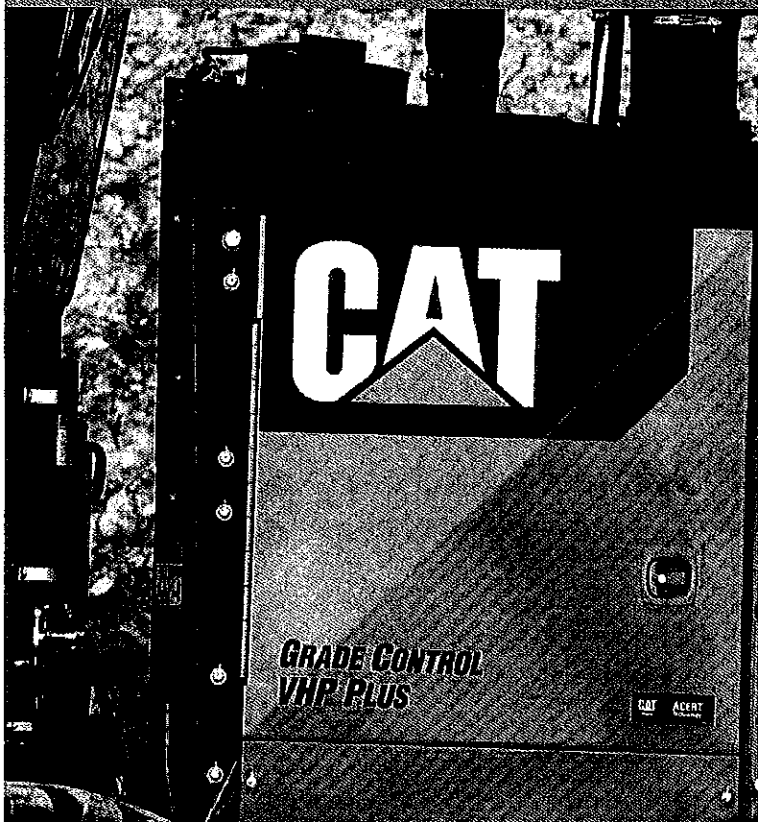
Load Sensing Hydraulics (PPPC)

The proven load-sensing system and the advanced Proportional Priority Pressure-Compensating (PPPC or "triple P – C") electro-hydraulic valves provide superior implement control and enhanced machine performance in all applications. Continuously matching hydraulic flow/pressure to power demands creates less heat and reduces power consumption.

- Consistent, Predictable Movement – PPPC valves have different flow rates for the head (red) and rod ends (blue) of the cylinder, ensuring consistent extension and retraction speeds.
- Balanced Flow – Hydraulic flow is proportioned so all implements operate simultaneously with little effect on the engine or implement speeds.

Integrated Technologies

Solutions to make work easier and more efficient



Cat Grade Control Cross Slope

Cross Slope is a factory installed machine control and guidance system that allows for accurate and real-time positioning of the moldboard without off-machine infrastructure. Harnesses, sensors and the in-cab display are fully integrated into the machine so the system is ready to work from the factory. The system helps the operator more easily achieve the desired cross slope by automating one end of the blade. The system also helps save time and materials so that even less experienced operators can achieve better results, more quickly. The system is designed for easy scalability, supporting all two- and three-dimensional upgrades to be fully compatible with all AccuGrade™ kits.

AccuGrade Ready Option

Optional factory-installed brackets and hardware make the grader ready for dealer installation of the AccuGrade grade control system. Installation is simplified, and integration of the components provides greater protection to enhance system reliability.

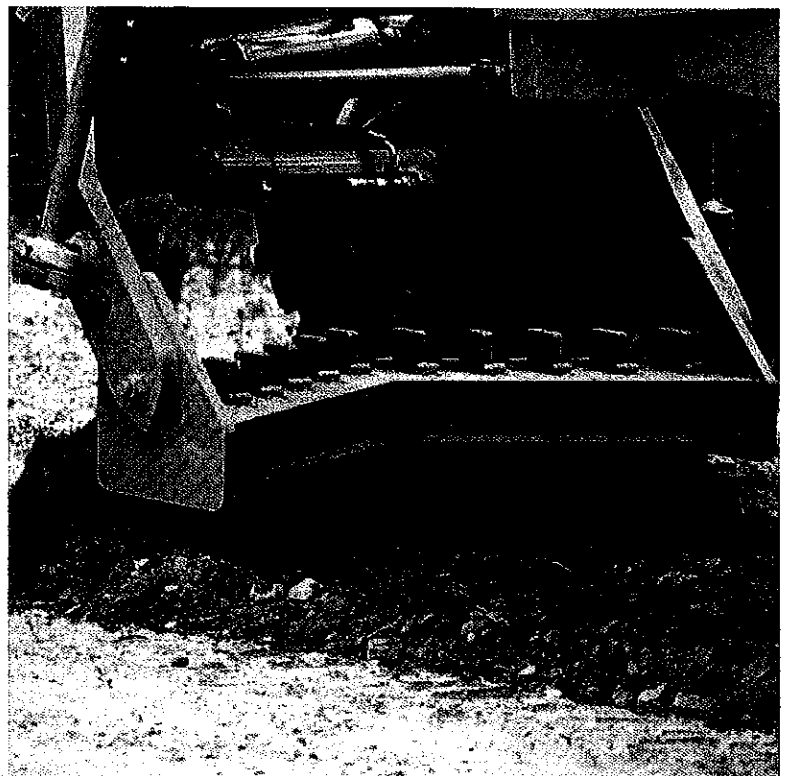
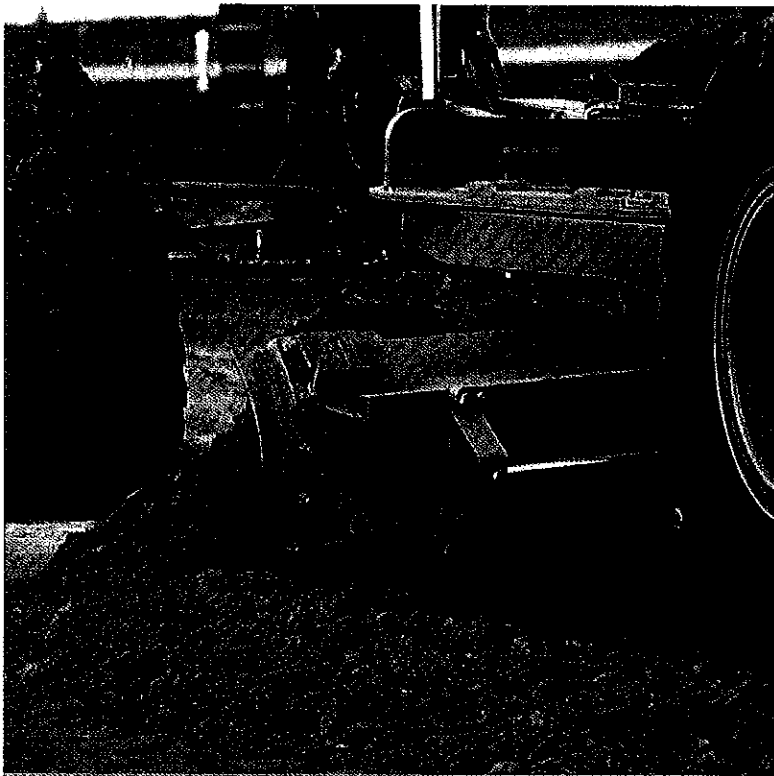
Cat AccuGrade

AccuGrade is a dealer-installed blade control system which enables operators to cut and fill to grade with increased accuracy, minimizing the need for traditional survey stakes and grade checkers. AccuGrade includes Cross Slope, Sonic, Laser, Global Navigation Satellite System (GNSS) and/or Universal Total Station (UTS) technologies to automatically control the blade. In-cab displays show precise elevation and real-time cut/fill information. More accurate blade positioning helps operators get to grade faster, with fewer passes than ever before. The AccuGrade System significantly improves grading productivity and accuracy by as much as 50 percent over conventional methods.

Cat Product Link*

Remote monitoring with Product Link improves overall fleet management effectiveness. Product Link is deeply integrated into machine systems. Events and diagnostic codes, as well as hours, fuel, idle time and other detailed information are transmitted to a secure web based application, VisionLink™. VisionLink includes powerful tools to convey information to users and dealers, including mapping, working and idle time, fuel level and more.

**Product Link licensing not available in all areas. Please consult your Cat dealer for availability.*



Work Tools and Attachments

Equip your machine for the job.

Moldboard Options

Standard 3.7 m (12 ft) or optional 4.3 m (14 ft). Left and right side extensions are also available.

Ground Engaging Tools (GET)

A variety of tools are available from Cat Work Tools, including cutting edges, graderbits and end bits, all designed for maximum service life and productivity.

Front Mounted Groups

A front mounted push plate/counterweight or front lift group are available. The front lift group can be combined with a front dozer blade or front scarifier for added versatility.

Rear Ripper/Scarifier

Made to penetrate tough material fast and rip thoroughly for easier movement with the moldboard. The ripper includes three shanks (with holders for five). Nine scarifier shanks can also be added for additional versatility.

Snow Removal Work Tools

Multiple snow plow, snow wing and mounting options increase machine versatility and utilization throughout the year.

Safety

Protect your most valuable resource.



Designed with Protection in Mind

Features are designed to enhance operator and job site safety, such as drop-down rear lights and a rearview camera. Among many standard safety features are laminated glass, back-up lights, and perforated tandem walkways and grab rails.

Operator Presence System

The parking brake remains engaged and hydraulic implements disabled until the operator is initially seated and the machine is ready for operation.

Secondary Steering System

Automatically engages an electric hydraulic pump in case of a drop in steering pressure, allowing the operator to steer the machine to a stop.

Hydraulic Lockout

A simple switch located in the cab disables all implement functions while still providing machine steering control. This safety feature is especially useful while roading.

Brake Systems

Brakes are located at each tandem wheel to eliminate braking loads on the power train. Redundant brake systems utilize accumulators to enable stopping in case of machine failure, further increasing operational safety.

Circle Drive Slip Clutch

This standard feature protects the drawbar, circle and moldboard from shock loads when the blade encounters an immovable object. It also reduces the possibility of abrupt directional changes in poor traction conditions.

Blade Lift Accumulators (Optional)

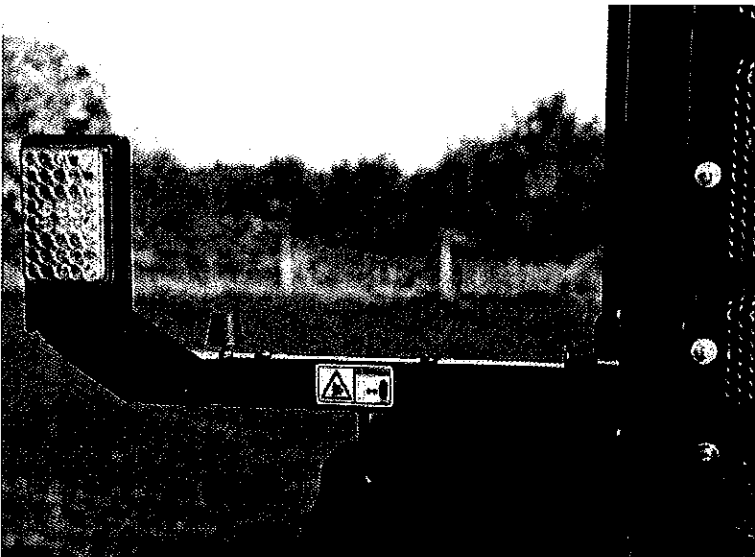
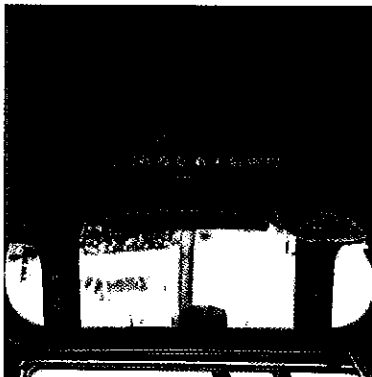
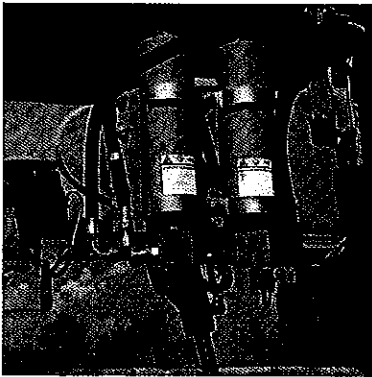
This optional feature uses accumulators to help absorb impact loads to the moldboard by allowing vertical blade travel. Blade lift accumulators help reduce unnecessary wear and also help reduce impact loading for enhanced operator safety.

Rearview Camera (Optional)

Visibility is further enhanced with an optional Work Area Vision System (WAVS) through a 178 mm (7 in) LCD color monitor in the cab. Developed specifically for rugged applications, this durable camera improves productivity and increases operator awareness of surroundings.

Front and Rear Fenders (Optional)

To help reduce objects flying from the tires, as well as build-up of mud, snow and debris, optional fenders can be added.



Customer Support

Unparalleled worldwide support.



Renowned dealer service

From helping you choose the right machine to financing and ongoing support, your Cat dealer provides the best in sales and service.

Manage your costs with preventive maintenance programs like S•O•SSM analysis, Coolant Sampling and guaranteed maintenance contracts.

Stay productive with best-in-class parts availability. Your Cat dealer can even help boost your profits with operator training.

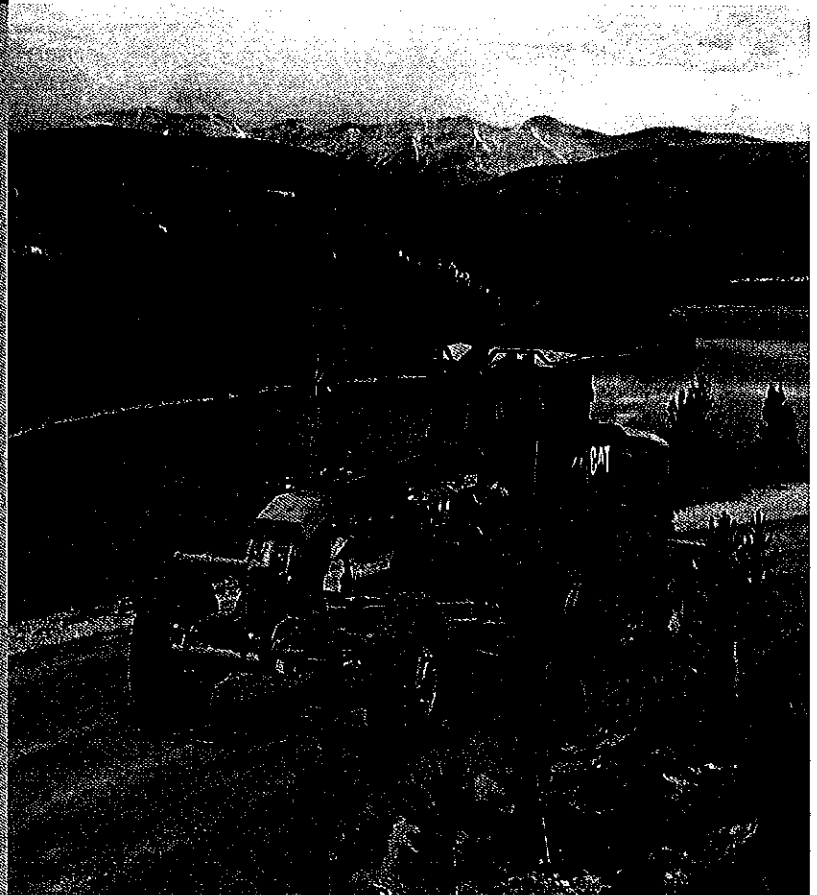
And when it's time for component replacement, your Cat dealer can help you save even more. Genuine Cat Remanufactured parts carry the same warranty and reliability as new products at savings of 40 to 70 percent for power train and hydraulic components.

Sustainability

Thinking generations ahead.

M Series 2 Motor Graders are designed to benefit your business and reduce emissions.

- Cat engine and aftertreatment meet U.S. Tier 4 Interim/ EU Stage IIIB emission standards.
- Integrated machine systems and technologies improve productivity for greater accuracy, lower fuel use and reduced machine wear.
- Replaceable wear parts save maintenance time and cost, and extend major component life.
- Major structures and components are built to be rebuilt, reducing waste and replacement costs.
- Extended service intervals reduce maintenance time/cost and waste.
- A variety of safety features help safeguard operators and others on the job site.



120M2/120M2 AWD Motor Grader Specifications

Engine		
Engine Model	Cat® C7.1 ACERT™	
Emissions	U.S. Tier 4 Interim/ EU Stage IIIB	
Base Power (1st gear) – Net	108 kW	145 hp
Base Power (1st gear) – Net (Metric)		147 hp
VHP Plus range – Net	108- 141 kW	145- 189 hp
VHP Plus range – Net (Metric)		147- 192 hp
AWD range – Net	114- 156 kW	153- 209 hp
AWD range – Net (Metric)		155- 212 hp
Displacement	7.01 L	428 in³
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Torque rise	45%	
Max torque	939 N·m	693 lb ft
Speed @ rated power	2,100 rpm	
Number of cylinders	6	
Derating altitude	3048 m	10,000 ft
Hi Ambient – Fan speed		
Standard	1,000 rpm	
Max	1,350 rpm	
Min	500 rpm	
Standard Capability	43° C	109° F
Hi Ambient Capability	50° C	122° F

VHP Plus – gear

1F, Net	108 kW	145 hp
2F, Net	114 kW	153 hp
3F, Net	120 kW	161 hp
4F, Net	126 kW	169 hp
5F, Net	130 kW	174 hp
6F, Net	134 kW	179 hp
7F, Net	137 kW	184 hp
8F, Net	141 kW	189 hp

- Net power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture.
- VHP Plus is a standard attachment for the 120M2; standard for the 120M2 AWD.
- Net power advertised is the power available at rated speed of 2,100 rpm, measured at the flywheel when engine is equipped with fan running at minimum speed, air cleaner, muffler and alternator.
- No engine derating required up to 3048 m (10,000 ft).
- Power as declared per ISO 14396
Rated rpm 2,100
VHP+ = 142 kW (190 hp)
AWD = 157 kW (211 hp)
- All non-road U.S. EPA Tier 4, European Union (EU) Stage IIIB and IV, and Japan (MLIT) Step IV certified diesel engines are required to use:
 - Ultra Low Sulfur Diesel (ULSD) and Sulfur-Free fuels that are 15 ppm (mg/kg) sulfur or less.
 - Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specification.

Power Train

Forward/ Reverse Gears	8 Fwd/6 Rev
Transmission	Direct Drive, Powershift
Brakes	
Service	Multiple Oil Disc
Service, surface area	23 000 cm² 3,565 in²
Parking	Multiple Oil Disc
Secondary	Dual Circuit

Hydraulic System

Circuit type	Parallel	
Pump type	Variable Piston	
Pump output	210 L/min	55.7 gal/min
Maximum system pressure	24 150 kPa	3,500 psi
Reservoir tank capacity	60 L	15.85 gal
Standby Pressure	4200 kPa	609 psi
• Pump output measured at 2,150 rpm		

Operating Specifications

Top Speed

Fwd.	45.7 km/h	28.4 mph
Rev.	36.1 km/h	22.4 mph

Turning radius, outside front tires	7.4 m	24 ft 3 in
--	-------	------------

Steering range – left/right	47.5°
--------------------------------	-------

Articulation angle – left/right	20°
------------------------------------	-----

Fwd.		
1st	4.0 km/h	2.5 mph
2nd	5.4 km/h	3.4 mph
3rd	7.8 km/h	4.9 mph
4th	10.8 km/h	6.7 mph
5th	16.8 km/h	10.4 mph
6th	22.8 km/h	14.2 mph
7th	31.4 km/h	19.5 mph
8th	45.7 km/h	28.4 mph

Rev.		
1st	3.1 km/h	1.9 mph
2nd	5.9 km/h	3.9 mph
3rd	8.5 km/h	5.3 mph
4th	13.2 km/h	8.2 mph
5th	24.8 km/h	15.4 mph
6th	36.1 km/h	22.4 mph

Calculated with no slip and 14.0R24 tires.

Service Refill

Fuel Capacity	378 L	100 gal
Cooling system	49 L	12.9 gal
Hydraulic system		
Tank	64 L	16.9 gal
Engine Oil	30 L	7.9 gal
Trans./Diff./ Final Drives	62.5 L	16.5 gal
Tandem housing (each)	59 L	15.6 gal
Front wheel spindle bearing housing	0.5 L	0.13 gal
Circle drive housing	7 L	1.8 gal

Frame

Circle		
Diameter	1530 mm	60.2 in
Blade beam thickness	35 mm	1.4 in
Drawbar		
Height	152 mm	6.0 in
Width	76.2 mm	3.0 in
Thickness	9.5 mm	0.4 in
Front-top/bottom plate		
Width	255 mm	10.0 in
Thickness	22 mm	0.87 in
Front frame structure		
Height	280 mm	11.0 in
Width	204 mm	8.0 in
Front axle		
Height to center	572 mm	22.5 in
Wheel lean, left/right	18°	
Front axle – total oscillation per side	32°	
• Front-top/bottom plate – width tolerance ±2.5 mm (0.098 in)		

Tandems

Height	502 mm	19.8 in
Width	172 mm	6.8 in
Sidewall thickness		
Inner	14 mm	0.5 in
Outer	16 mm	0.6 in
Drive chain pitch	44.5 mm	1.8 in
Wheel axle spacing	1510 mm	59.5 in
Tandem oscillation		
Front up	15°	
Front down	25°	

Moldboard

Blade width	3.7 m	12 ft
Moldboard		
Height	610 mm	24 in
Thickness	22 mm	0.87 in
Arc radius	413 mm	16.3 in
Throat clearance	123.9 mm	4.9 in
Cutting edge		
Width	152 mm	6 in
Thickness	16 mm	0.6 in
End Bit		
Width	152 mm	6 in
Thickness	16 mm	0.6 in
Blade Pull		
Base GVW	10 767 kg	23,737 lb
Max GVW	13 599 kg	29,980 lb
Max GVW AWD	19 998 kg	44,088 lb
Blade Down Pressure		
Base GVW	6818 kg	15,030 lb
Max GVW	12 354 kg	27,235 lb

Blade Range

Circle centershift		
Right	656 mm	25.8 in
Left	656 mm	25.8 in
Moldboard sideshift		
Right	660 mm	26 in
Left	510 mm	20.1 in
Maximum blade position angle	90°	
Blade tip range		
Forward	40°	
Backward	5°	
Maximum shoulder reach outside of tires		
Right	1905 mm	75 in
Left	1742 mm	68.6 in
Maximum lift above ground	427 mm	16.8 in
Maximum depth of cut	720 mm	28.3 in

Ripper

Ripping depth, maximum	226.5 mm	8.9 in
Ripper shank holders	5	
Ripper shank holder spacing	534 mm	21 in
Penetration force	8024 kg	17,692 lb
Pryout force	2567 kg	5,660 lb
Machine length increase, beam raised	1053 mm	41.5 in

120M2/120M2 AWD Motor Grader Specifications

Scarifier		
Front, V-Type:	1205 mm	47.4 in
Working width		
Front, V-Type, 5 or 11 tooth		
Working width	1031 mm	40.6 in
Scarifying depth, maximum	467 mm	18.4 in
Scarifier shank holders	5/11	
Scarifier shank holder spacing	116 mm	4.6 in
Mid, V-Type		
Working width	1184 mm	46.6 in
Scarifying depth, maximum	292 mm	11.5 in
Scarifier shank holders	11	
Scarifier shank holder spacing	116 mm	4.6 in
Mid, straight		
Working width	1800 mm	71 in
Ripping depth, maximum	317 mm	12.5 in
Scarifying depth, maximum	426 mm	16.8 in
Scarifier shank holders	17	
Scarifier shank holder spacing	111 mm	4.4 in

Weights		
Gross Vehicle Weight, base		
Total	15 887 kg	35,025 lb
Front axle	3924 kg	8,651 lb
Rear axle	11 963 kg	26,374 lb
Gross Vehicle Weight, max		
Total	22 220 kg	48,987 lb
Front axle	7110 kg	15,675 lb
Rear axle	15 110 kg	33,312 lb
Operating Weight, typically equipped		
Total	18 095 kg	39,892 lb
Front axle	4791 kg	10,563 lb
Rear axle	13 304 kg	29,329 lb

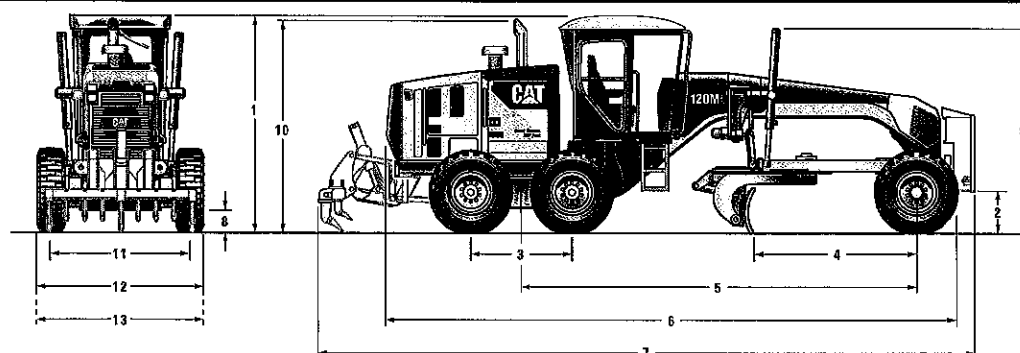
Weights – AWD		
Gross Vehicle Weight, base		
Total	16 880 kg	37,214 lb
Front axle	4435 kg	9,777 lb
Rear axle	12 445 kg	27,438 lb
Gross Vehicle Weight, max		
Total	22 220 kg	48,987 lb
Front axle	7110 kg	15,675 lb
Rear axle	15 110 kg	33,312 lb
Operating Weight, typically equipped		
Total	18 987 kg	41,859 lb
Front axle	5268 kg	11,614 lb
Rear axle	13 719 kg	30,244 lb

- Base operating weight calculated on standard machine configuration with 14.0R24 tires, full fuel tank, coolant, lubricants and operator.
- Typically equipped operating weight is calculated with push block, rear ripper/scarifier, and other equipment.

Standards	
ROPS/FOPS	ISO 3471/ISO 3499
Steering	ISO 5010
Brakes	ISO 3450, ISO 10265
Sound	ISO 6394; ISO 6395

- The static sound operator sound pressure level measured according to ISO 6394:2008 for a cab offered by Caterpillar, when properly installed, maintained and tested with doors and windows closed and engine cooling hydraulic fan at maximum speed is 70 dB(A).
- The dynamic spectator sound power level measured according to ISO 6395:2008 for the standard machine when equipped with optional sound suppression package and engine cooling hydraulic fan running at 70% of maximum speed, machine sound is 106 dB(A) for 120M2 and 120M2 AWD, complying with EU 2000/14/EC requirement.

Dimensions



1	Height – Top of Cab	3320 mm	130.7 in
2	Height – Front Axle Center	594 mm	23.4 in
3	Length – Between Tandem Axles	1510 mm	59.4 in
4	Length – Front Axle to Moldboard	2463 mm	97 in
5	Length – Front Axle to Mid Tandem	5917 mm	233 in
6	Length – Front Tire to Rear of Machine	8733 mm	343.8 in
7	Length – Counterweight to Ripper	10 020 mm	394.5 in
8	Ground Clearance at Rear Axle	347 mm	13.7 in
9	Height to Top of Cylinders	2920 mm	115 in
10	Height to Exhaust Stack	3253 mm	1,280.7 in
11	Width – Tire Center Lines	2133 mm	84 in
12	Width – Outside Rear Tires	2547 mm	100.2 in
13	Width – Outside Front Tires	2547 mm	100.2 in

Optional Tire Arrangements

Wheel Group		Tires	Tire Arrangement Weight (Total – 6 Tires)	
9x24 SP	13.00-24	Firestone SGG RB 12PR	775 kg	1,709 lb
14x25 MP	17.5-25	Goodyear HRL DL 3A 16 PR	1487 kg	3,278 lb
14x25 MP	17.5R25	Michelin XHA 1 Star	1523 kg	3,357 lb
14x25 MP	17.5R25	Michelin XTLA 1 Star	1373 kg	3,026 lb
10x24 MP	14.0-24	Goodyear SGG-2A 16 PR	1173 kg	2,586 lb
10x24 MP	14.0R24	Michelin XGLA2 1 Star	1209 kg	2,666 lb
10x24 MP	14.0R24	Bridgestone VKT 1 Star	1371 kg	3,023 lb
10x24 MP	14.0R24	Michelin XSNO+ 1 Star	1305 kg	2,877 lb
10x24 MP	14.0R24	Bridgestone VUT 1 Star	1269 kg	2,798 lb
9x24 SP	14.0R24	Michelin XGLA2 1 Star	1049 kg	2,313 lb
14x25 MP	17.5R25	Bridgestone VKT 1 Star	1523 kg	3,357 lb
13x25 SP	17.5R25	Michelin XHA 1 Star	1320 kg	2,911 lb
13x25 SP	17.5R25	Michelin XTLA 1 Star	1170 kg	2,580 lb
120M2 AWD				
14x25 MP	17.5R25	Michelin XSNO+ 1 Star	1403 kg	3,094 lb
14x25 MP	17.5-25	Firestone SGG 12PR	1207 kg	2,661 lb
14x25 MP	17.5R25	Bridgestone VSW 1 Star	1673 kg	3,688 lb
10x24 MP	14.0R24	Bridgestone VSW 1 Star	1395 kg	3,076 lb

For a complete list of tire options, contact your local Cat dealer.

120M2/120M2 AWD Standard Equipment

Standard equipment may vary. Consult your Cat dealer for details.

POWER TRAIN

Air cleaner, dual stage, dry type, diesel, with automatic engine derate and automatic dust ejector, service indicator through Cat Messenger
Air-to-air after cooler (ATAAC)
Belt, serpentine, automatic tensioner
Brakes, oil disc, four-wheel, hydraulic
Demand fan, hydraulic, swing-out
Differential Lock/Unlock, Automatic
Drain, engine oil, ecology
Electronic over speed protection
Engine, C7.1 with ACERT Technology, Tier 4 Interim and Stage IIIB emission standards
Fuel tank, 378 L (100 gal), ground level access and sediment drain
Parking brake – multi-disc, sealed, oil-cooled
Priming pump, fuel
Rear axle, modular
Sediment drain, fuel tank
Tandem drive
Transmission, 8F/6R, power shift, direct drive
VHP Plus (Variable Horsepower)

ELECTRICAL

Alarm, back up
Alternator, 150 ampere, sealed
Batteries, maintenance free, heavy duty, 1,125 CCA
Breaker panel, ground accessible
Cab harness and electrical hydraulic valves
Electrical system, 24V
Grade Control Ready – Cab harness, software, electrical hydraulic valves, bosses and brackets
Lights, roof-mounted roading, reversing, LED stop and tail
Product Link Ready
Starter, electric

OPERATOR ENVIRONMENT

Accelerator
Air conditioning with heater
Arm and wrist rest, electronically adjustable
Articulation, automatic Return-to-Center
Ashtray and lighter
Cat® Messenger operator information system
Centershift pin indicator
Coat hook
Cup holder
Display, digital speed and gear
Doors, left and right side with wiper
Gauge, machine level
Gauge cluster (analog) – fuel, articulation, engine coolant temp, engine RPM, hydraulic oil temp, regen
Hour meter, digital
Joystick hydraulic controls
right/left blade lift with float position, circle drive, blade sideshift and tip, centershift, front wheel lean, articulation and power steering
Joystick, adjustable armrests
Joystick gear selection
Joystick hydraulic power steering
Ladders, cab, left and right side
Lights, night time cab
Mirror, inside rearview, wide angle
Power port, 12V
Radio Ready, Entertainment
ROPS cab, sound suppressed 70 dB(A)
Seat, cloth-covered, comfort suspension
Seat belt, retractable 76 mm (3 in)
Storage area for cooler/lunchbox
Throttle control, electronic
Windows, laminated glass: fixed front with intermittent wiper side and rear (3)

FLUIDS

Antifreeze
Extended Life Coolant to -35° C (-30° F)

TIRES, RIMS AND WHEELS

Partial allowance for tires on
254 × 607 mm (10 × 24 in) multi-piece rims is included in the base machine price and weight

OTHER STANDARD EQUIPMENT

Accumulators, brake, dual certified
Anti-glare paint
Bumper, rear, integrated with hitch
CD ROM Parts Book
Clutch, circle drive slip
Cutting edges
152 × 16 mm (6 × 5/8 in) curved DH-2 steel
19 mm (3/4 in) mounting bolts
Doors (3), engine compartment, locking
Drawbar – 6 shoes, replaceable wear strips
Electrical hydraulic valves, hydraulic lines for base 8 functions
Endbits
16 mm (5/8 in) DH-2 steel
19 mm (3/4 in) mounting bolts
Fluid check, ground level
Frame, articulated, with safety lock
Ground level engine shutdown
Hammer (emergency exit)
Horn, electric
Hydraulic lines for base functions
Lockout, hydraulic implement (for roading and servicing)
Moldboard – 3658 × 610 × 22 mm (12 ft × 24 in × 7/8 in)
Mounting, cab roof accessories
Pump, hydraulic, high capacity, 98 cm³ (6 in³)
Radiator, cleanout access (both sides with swing doors)
Secondary steering
Serviceability, LH side
S•O•SSM ports: engine, hydraulic, transmission, coolant, fuel
Tandem walkway/guards
Tool box
Tow hitch

120M2/120M2 AWD Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

	kg	lb
ELECTRICAL		
Alternator, 280 ampere	2	5
Batteries:		
extreme duty, 1,400 CCA	14	30
Converter, communication (CB)	5	11
Lights:		
Headlights, high	5	11
Headlights, low	5	11
Working lights, basic	9	20
Working lights, plus, LED	10	22
Warning: Beacon or Strobe	2	5
Mounting for Warning Light	5	11
GUARDS		
Fenders, Front	56	123
Fenders, Rear	34	75
Sound suppression (Bottom)	110	243
Sound suppression (Enclosure)	110	243
Transmission	141	311
OPERATOR ENVIRONMENT		
Fan, defroster, rear window	2	4
Mirrors, outside:		
heated 24V	15	33
mounted	15	33
Precleaner, HVAC	5	10
Radio ready, AM/FM	9	20
Seat, air suspension, cloth	2	5
Shade, sun	2	5
Wiper/washer, rear	2	4

	kg	lb
POWER TRAIN		
All Wheel Drive	590	1,300
Fuel tank, fast fill	14	31
Oil, Hydraulic, Biodegradable Synthetic	0	0
Precleaner, snow	2	4.4
Starter, Heavy Duty, 1,000 Amp	10	22
Transmission, autoshift	2	5
OTHER ATTACHMENTS		
AccuGrade ARO	39	85
Accumulators, blade lift	77	170
Camera, rearview	9	20
Cat Product Link 321SR	5	10
Drain, ecology, engine Wiggins	2	5
Fenders, front, AWD	56	124
Fenders, rear	119	262
Heater, engine coolant:		
120V	1	3
240V	1	3
Hydraulic arrangements with one or more additional hydraulic valves are available for rear ripper, dozer, snow plow and snow wing.		
Snow wing mounting, frame ready	91	200
Sound suppression	15	32
Starting aid, Ether	0.5	1

	kg	lb
WORK TOOLS/G.E.T.		
Blade extension, left hand, 610 mm (2 ft)	113	249
Cutting Edges, curved	43	95
Endbits, overlay	24	52
Front lift group, mounting	5	11
Front lift group, mechanical	680	1,500
Grader bit, narrow and super penetration	181	400
Mid-Mount Scarifier, Package	942	2,077
Mid-Mount Scarifier, Mounting	57	125
Moldboard		
4267 mm × 610 mm × 22 mm (14 ft × 24 in × 7/8 in)	100	220
4267 mm × 686 mm × 25 mm (14 ft × 27 in × 1 in)	257	567
Push plate, counterweight	1285	2,833
Ripper, mounting	32	70
Ripper, rear	962	2,120
Ripper tooth	28	61
Scarifier, front	434	956
Snow Arrangement	161	355
Snow Wing Ready Package	114	355
MACHINE ARRANGEMENTS		
Canadian Arrangement	2	4
European Arrangement	289	637
European Rooding Arrangement	451	994

120M2/120M2 AWD Motor Graders

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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AEH06323-02 (05-2013)
Replaces AEH06323-01





Stevan deLeon
Sales Representative

mobile: 409-201-9500

Mustang CAT
7990 Eastex Frwy.
Beaumont, Texas 77708
-- main line
409-892-6190 fax
sdeleon@mustangcat.com
www.mustangcat.com



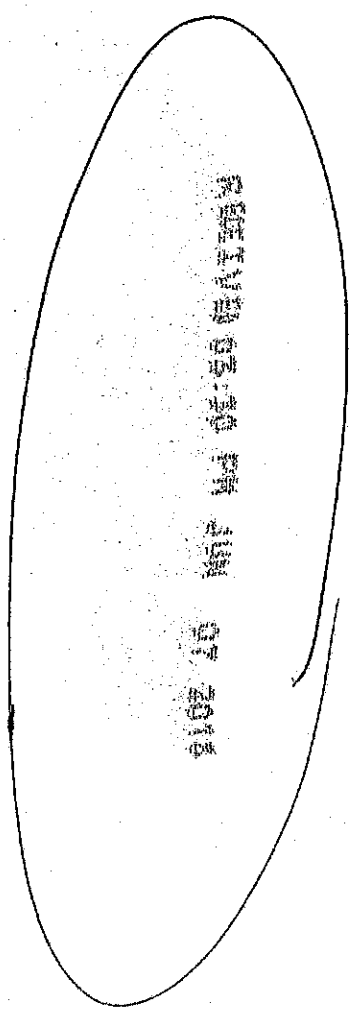
P.O. Box 1373
Houston, Texas 77251-1373

First Class Mail

Bid Name: Re-bid Heavy Equipment for
Jefferson County Precinct No.3

Bid No: IFB 18-013/JW

1st Submission-QW



MUSTANG**CAT**

P.O. Box 1373
Houston, Texas 77251-1373

First Class Mail

Jefferson County, Texas
Purchasing Department

IFB 18-013/JW

Re-BID Heavy Equipment for Jefferson County, Dist #2
(To replace Unrepairable Equipment Damaged by Hurricane)

RECEIVED 10:21 AM JUN 11 2018

2nd Submission
(Addendum) - gwr



JEFFERSON COUNTY PURCHASING DEPARTMENT
Deborah L. Clark, Purchasing Agent

1149 Pearl Street, 1st Floor, Beaumont, TX 77701 409-835-8593 Fax 409-835-8456

LEGAL NOTICE
Advertisement for Invitation for Bids

May 21, 2018

Notice is hereby given that sealed bids will be accepted by the Jefferson County Purchasing Department for IFB 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey). **Specifications for this project may be obtained from the Jefferson County website, <http://www.co.jefferson.tx.us/Purchasing/main.htm> or by calling 409-835-8593.**

Bids are to be sealed and addressed to the Purchasing Agent with the bid number and name marked on the outside of the envelope or box. Bidders shall forward an original and three (3) copies of their bid to the address shown below. Jefferson County does not accept bids submitted electronically. Late bids will be rejected as non-responsive. Bids will be publicly opened and read aloud in the Jefferson County Commissioners' Courtroom at the time and date below. Bidders are invited to attend the sealed bid opening.

BID NAME: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

BID NO: IFB 18-013/JW

DUE DATE/TIME: 11:00 AM CDT, Tuesday, June 19, 2018

MAIL OR DELIVER TO: Jefferson County Purchasing Department
 1149 Pearl Street, 1st Floor
 Beaumont, Texas 77701

Any questions relating to these requirements should be directed to Jamey West, Assistant Purchasing Agent, at 409-835-8593 or jwest@co.jefferson.tx.us. Bidders may submit technical questions to: Jason Castille, Precinct No. 3 Superintendent at 409-736-2851 or pct3sc@co.jefferson.tx.us.

Jefferson County encourages Disadvantaged Business Enterprises to participate in the bidding process. Jefferson County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provisions of services. Individuals requiring special accommodations are requested to contact our office at 409-835-8593 to make arrangements no later than seven (7) calendar days prior to the submittal deadline. Jefferson County reserves the right to accept or reject any or all proposals, to waive technicalities and to take whatever action is in the best interest of Jefferson County.

All interested firms are invited to submit a bid in accordance with the terms and conditions stated in this bid.

RESPONDENTS ARE STRONGLY ENCOURAGED TO CAREFULLY READ THE ENTIRE INVITATION.

Deborah L. Clark, Purchasing Agent
 Jefferson County, Texas

Publish: Beaumont Enterprise & Port Arthur News – May 23, 2018 & May 30, 2018

— ORIGINAL BID —

**IFB 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)
Bids due: 11:00 AM CDT, Tuesday, June 19, 2018**

Table of Contents

Table of Contents	1
Instructions to Bidders	2
General Conditions of Bidding and Terms of Contract	6
Special Requirements/Instructions	16
Minimum Specifications	20
Instructions to Bidders (Re: Brand Reference / Equivalent Bid Items)	20
Bid Item 1: Description & Technical Specifications Checklist Form Instructions	21
Bid Item 1: Technical Specifications Checklist Form	22
Bid Item 1: Bidder Alternative Features Offered & Exceptions List	37
Bid Item 2: Description & Technical Specifications Checklist Form Instructions	38
Bid Item 2: Technical Specifications Checklist Form	39
Bid Item 2: Bidder Alternative Features Offered & Exceptions List	41
Bid Item 3: Description & Technical Specifications Checklist Form Instructions	42
Bid Item 3: Technical Specifications Checklist Form	43
Bid Item 3: Bidder Alternative Features Offered & Exceptions List	45
Bid Item 4: Description & Technical Specifications Checklist Form Instructions	46
Bid Item 4: Technical Specifications Checklist Form	47
Bid Item 4: Bidder Alternative Features Offered & Exceptions List	49
Bid Item 5: Description & Technical Specifications Checklist Form Instructions	50
Bid Item 5: Technical Specifications Checklist Form	51
Bid Item 5: Bidder Alternative Features Offered & Exceptions List	52
Bidder Information Form	53
Offer to Contract Form	54
Acceptance of Offer Form	55
Bid Form	56
Vendor References	62
Signature Page	63
Conflict of Interest Questionnaire	64
Local Government Officer Conflict Disclosure Statement Forms (OFFICE USE ONLY)	65
Good Faith Effort Determination Checklist	66
Notice of Intent	67
HUB Subcontracting Participation Declaration Form	68
Residence Certification/Tax Form	72
Bid Affidavit	73
TECHNICAL SPECIFICATIONS	(APPENDIX A-E)

Instructions to Bidders

1. Bid Submission

Bids must be submitted in complete original form by mail or messenger to the following address:

Jefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, TX 77701

Bids will be accepted at the above address until the time and date specified herein, and immediately after will be publicly opened and read aloud.

Bidder shall submit bid in a tightly sealed opaque envelope or box, plainly marked "SEALED BID." The outside of the envelope or box shall also include the Bid Number, Bid Name, Bid Due Date, and the Bidder's Name and Address; and shall be addressed to the Purchasing Agent.

Late bids will not be accepted and will be returned unopened to the bidder.

All bids submitted in response to this invitation shall become the property of Jefferson County and will be a matter of public record available for review.

Bidder is responsible for submitting:

- One (1) *original* bid copy to include a completed copy of this specifications packet, in its entirety.
- Three (3) numbered bid *copies* to include at a minimum all pages requiring completion and/or marked with instructions to be returned with bid submission and any other documentation requested within these specifications.

Additionally, Bidder must monitor the Jefferson County Purchasing Department Website (below) to see if addenda or additional instructions have been posted. Failure to return all required forms could result in a response being declared as non-responsive.

<http://www.co.jefferson.tx.us/purchasing/main.htm>

2. Bid Submissions During Time of Inclement Weather, Disaster, or Emergency

In case of inclement weather or any other unforeseen event causing the County to close for business on the date of a bid/proposal/statement of qualifications submission deadline, the closing will automatically be postponed until the next business day that County offices are open to the public. Should inclement weather conditions or any other unforeseen event cause delays in courier service operations, the County may issue an addendum to all known vendors interested in the project to extend the deadline. It will be the responsibility of the vendor to notify the county of their interest in the project should these conditions impact their ability to submit a bid/proposal/statement of qualifications submission before the stated deadline. The County reserves the right to make the final judgement call to extend any deadline.

Should an emergency or unanticipated event interrupt normal County processes, and bid/proposal/statement of qualifications submissions cannot be received by the Jefferson County Purchasing Department's office by the exact time specified in the IFB and urgent County requirements preclude amendment to the IFB, the time specified for receipt of bids will be deemed to be extended to the same time of day specified in the solicitation on the first business day on which normal County processes resume.

3. Courthouse Security

Bidders are advised that all visitors to the Courthouse must pass through Security. **Bidders planning to hand deliver bids must allow time to get through Security, as a delay in entering the Courthouse will not be accepted as an excuse for late submittal.** Mondays and Tuesdays are particularly heavy days. Bidders are strongly urged to plan accordingly.

4. Preparation of Bids

The bid shall be legibly printed in ink or typed.

The County requests that bid submissions NOT be bound by staples or glued spines.

If a unit price or extension already entered is to be altered, it shall be crossed out and initialed in ink by the bidder.

The bid shall be legally signed and shall include the complete address of the bidder.

Jefferson County is exempt from Federal and State Sales Taxes, and such taxes shall not be included in bid prices.

5. Signatures

All bids, notifications, claims, and statements must be signed by an individual authorized to bind the bidder. The individual signing certifies, under penalty of perjury, that he or she has the legal authorization to bind the bidder.

6. County Holidays – 2018:

January 1	Monday	New Year's
January 15	Monday	Martin Luther King, Jr. Day
February 19	Monday	President's Day
March 30	Friday	Good Friday
May 28	Monday	Memorial Day
July 4	Wednesday	Independence Day
September 3	Monday	Labor Day
November 12	Monday	Veteran's Day
November 22 & 23	Thursday & Friday	Thanksgiving
December 24 & 25	Monday & Tuesday	Christmas
January 1, 2019	Tuesday	New Year's

7. Rejection or Withdrawal

Submission of additional terms, conditions or agreements with the bid document are grounds for deeming a bid non-responsive and may result in bid rejection. Jefferson County reserves the right to reject any and all bids and to waive any informalities and minor irregularities or defects in bids. Bids may be withdrawn in person by a bidder or authorized representative, provided their identity is made known and a receipt is signed for the bid, but only if the withdrawal is made prior to the time set for receipt of bids. Bids are an irrevocable offer and may not be withdrawn within 90 days after opening date.

8. Emergency/Declared Disaster Requirements

In the event of an emergency or if Jefferson County is declared a disaster area, by the County, State, or Federal Government, this Acceptance of Offer may be subjected to unusual usage. Contractor shall service the county during such an emergency or declared disaster under the same terms and conditions that apply during non-emergency/disaster conditions. The pricing as specified in this Acceptance of Offer shall apply to serving the County's needs regardless of the circumstances. If Contractor is unable to supply the services under the terms of the Acceptance of Offer, then Contractor shall provide proof of such disruption and a copy of the invoice from Contractor's supplier(s). Additional profit margin as a result of supplying services during an emergency or declared disaster shall not be permitted. In the event that additional equipment,

supplies, and materials are required during the declared disaster, additional shipping, handling and drayage fees may apply.

9. Award

The bid will be awarded to the responsible, responsive bidder(s) whose bid, conforming to the solicitation, will be most advantageous to Jefferson County – price and other factors considered. Unless otherwise specified in this IFB, Jefferson County reserves the right to accept a bid in whole or in part, and to award by item or by group, whichever is deemed to be in the best interest of Jefferson County. Any bidder who is in default to Jefferson County at the time of submittal of the bid shall have that bid rejected. Jefferson County reserves the right to clarify any contractual terms with the concurrence of the Contractor; however, any substantial nonconformity in the offer, as determined by Jefferson County, shall be deemed non-responsive and the offer rejected.

In evaluating bids, Jefferson County shall consider the qualifications of the bidders, and, where applicable, operating costs, delivery time, maintenance requirements, performance data, and guarantees of materials and equipment. In addition, Jefferson County may conduct such investigation as it deems necessary to assist in the evaluation of a bid and to establish the responsibility, qualifications, and financial ability of the bidders to fulfill the contract.

Jefferson County reserves the right to award this contract on the basis of **lowest and best bid** in accordance with the laws of the State of Texas, to waive any formality or irregularity, to make awards to more than one offeror, and/or to reject any or all bids. In the event the lowest dollar offeror meeting specifications is not awarded a contract, Offeror may appear before the Commissioners' Court and present evidence concerning Offeror responsibility after officially notifying the Office of the Purchasing Agent of Offeror's intent to appear.

10. Contract

A response to an IFB is an offer to contract with Jefferson County based upon the terms, conditions, and specifications contained in the IFB. Bids do not become contracts unless and until they are executed by Jefferson County, eliminating a formal signing of a separate contract. For that reason, all of the terms and conditions of the contract are contained in the IFB, unless any of the terms and conditions is modified by an IFB Amendment, a Contract Amendment, or by mutually agreed terms and conditions in the contract documents.

11. Waiver of Subrogation

Bidder and bidder's insurance carrier waive any and all rights whatsoever with regard to subrogation against Jefferson County as an indirect party to any suit arising out of personal or property damages resulting from bidder's performance under this agreement.

12. Fiscal Funding

A multi-year contract (if requested by the specifications) continuing as a result of an extension option must include fiscal funding out. If, for any reason, funds are not appropriated to continue the contract, said contract shall become null and void.

13. Bid Results

Bid results are not provided in response to telephone inquiries. A preliminary tabulation of bids received will be posted on the Purchasing web page (<http://co.jefferson.tx.us/purchasing/main.htm>) as soon as possible following bid opening. A final tabulation will be posted following bid award, and will also be available for review in the Purchasing Department.

14. Changes and Addenda to Bid Documents

Each change or addendum issued in relation to this IFB document will be on file in the Office of the Purchasing Agent, and will be posted on the Purchasing web site as soon as possible. It shall be the bidder's responsibility to make inquiry as to change or addenda issued, and to monitor the web site. All such changes or addenda shall become part of the contract and all bidders shall be bound by such addenda. Information on all changes or addenda issued will be available at the Office of the County Purchasing Agent.

15. Specifications

Unless otherwise stated by the bidder, the bid will be considered as being in accordance with Jefferson County's applicable standard specifications, and any special specifications outlined in the bid document. References to a particular trade name, manufacturer's catalogue, or model number are made for descriptive purposes to guide the bidder in interpreting the requirements of Jefferson County, and should not be construed as excluding bids on other types of materials, equipment, and supplies. However, the bidder, if awarded a contract, will be required to furnish the particular item referred to in the specifications or description unless departure or substitution is clearly noted and described in the bid. Jefferson County reserves the right to determine if equipment/ product being bid is an acceptable alternate. All goods shall be new unless otherwise so stated in the bid. Any unsolicited alternate bid, or any changes, insertions, or omissions to the terms and conditions, specifications, or any other requirements of the bid, may be considered non-responsive.

16. Delivery

Bids shall include all charges for delivery, packing, crating, containers, etc. Unless otherwise stated by the bidder (in writing on the included Bid Form), prices bid will be considered as being based on F.O.B. destination/delivered freight included.

17. Interpretation of Bid and/or Contract Documents

All inquiries shall be made within a reasonable time prior to the date and time fixed for the bid opening, in order that a written response in the form of an addendum, if required, can be processed before the bids are opened. Inquiries received that are not made in a timely fashion may or may not be considered.

18. Currency

Prices calculated by the bidder shall be stated in U.S. dollars.

19. Pricing

Prices shall be stated in units of quantity specified in the bid documents. In case of discrepancy in computing the amount of the bid, the unit price shall govern.

20. Notice to Proceed/Purchase Order

The successful bidder may not commence work under this contract until authorized to do so by the Purchasing Agent.

21. Certification

By signing the offer section of the Offer and Acceptance page, bidder certifies:

- The submission of the offer did not involve collusion or other anti-competitive practices.
- The bidder has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to any public servant in connection with the submitted offer.
- The bidder hereby certifies that the individual signing the bid is an authorized agent for the bidder and has the authority to bind the bidder to the contract.

22. Definitions

"County" – Jefferson County, Texas.

"Contractor" – The bidder whose proposal is accepted by Jefferson County.

23. Minority-Women Business Enterprise Participation

It is the desire of Jefferson County to increase the participation of Minority (MBE) and women-owned (WBE) businesses in its contracting and procurement programs. While the County does not have any preference or set aside programs in place, it is committed to a policy of equitable participation for these firms.

General Conditions of Bidding and Terms of Contract

By execution of this document, the vendor accepts all general and special conditions of the contract as outlined below and in the specifications and plans.

1. Bidding

1.1 Bids. All bids must be submitted on the bid form furnished in this package.

1.2 Authorized Signatures. The bid must be executed personally by the vendor, duly authorized partner of the partnership, or duly authorized officer of the corporation. If executed by an agent, a power of attorney or other evidence of authority to act on behalf of the vendor shall accompany the bid to become a valid bid.

1.3 Late Bids. Bids must be in the office of the Jefferson County Purchasing Agent before or at the specified time and date bids are due. Bids received after the submission deadline shall be rejected as non-responsive and returned unopened.

1.4 Withdrawal of Bids Prior to Bid Opening. A bid may be withdrawn before the opening date by submitting a written request to the Purchasing Agent. If time allows, the bidder may submit a new bid. Bidder assumes full responsibility for submitting a new bid before or at the specified time and date bids are due. Jefferson County reserves the right to withdraw a request for bids before the opening date.

1.5 Withdrawal of Bids after Bid Opening. Bidder agrees that its offer may not be withdrawn or cancelled by the vendor for a period of ninety (90) days following the date and time designated for the receipt of bids unless otherwise stated in the bid and/or specifications.

1.6 Bid Amounts. Bids shall show net prices, extensions where applicable and net total. In case of conflict between unit price and extension, the unit price will govern. Any ambiguity in the bid as a result of omission, error, unintelligible or illegible wording shall be interpreted in the favor of Jefferson County.

1.7 Exceptions and/or Substitutions. All bids meeting the intent of the specifications and plans will be considered for award. Vendors taking exception to the specifications and plans, or offering substitutions, shall state these exceptions in the section provided. If bid is made on an article other than the one specified, which a bidder considers comparable, the name and grade of said article must be specified in the bid and sufficient specifications and descriptive data must accompany same to permit thorough evaluation. The absence of stated exceptions and/or substitutions shall indicate that the vendor has not taken any exceptions to the specifications and shall be responsible to perform in strict accordance with the specifications. As a matter of practice, Jefferson County rejects exception(s) and /or substitutions as non-responsive but reserves the right to accept any and/or all of the exception(s) and/or substitution(s) deemed to be in the best interest of Jefferson County.

1.8 Alternates. The Invitation for Bid and/or specifications may expressly allow bidder to submit an alternate bid. Presence of such an offer shall not be considered an indication of non-responsiveness.

1.9 Descriptions. Unless otherwise specified, any reference to make, manufacturer and/or model used in the bid specifications is merely descriptive and not restrictive, and is used only to indicate type, style, or quality of material desired.

1.10 Bid Alterations. Bids cannot be altered or amended after submission deadline. Any interlineations, alterations, or erasures made before opening time must be initialed by the signer of the bid, guaranteeing authenticity.

1.11 Tax Exempt Status. Jefferson County is exempt from federal excise tax and state sales tax. Unless the bid form or specifications specifically indicate otherwise, the bid price must be net, exclusive of above-mentioned taxes and will be so construed. Therefore, the bid price shall not include taxes.

1.12 Quantities. Quantities indicated are estimated quantities only and are not a commitment to buy. Approximate usage does not constitute an order, but only implies the probable quantity that will be used. Commodities will be ordered on an as-needed basis. Bidder is responsible for accurate final counts.

1.13 Bid Award. Award of contract shall be made to the most responsible, responsive bidder, whose offer is determined to be the best value, taking into consideration the relative importance of price. Jefferson County reserves the right to be the sole judge as to whether items bid will serve the purpose intended.

Jefferson County reserves the right to accept or reject in part or in whole any bid submitted, and to waive any technicalities or informalities for the best interest of the County. Jefferson County reserves the right to award based upon individual line items, sections or total bid.

1.14 Silence of Specifications for Complete Units. All materials, equipment and/or parts that will become a portion of the completed work, including items not specifically stated herein but, necessary to render the service(s) complete and operational per the specifications, are to be included in the bid price. Vendor may be required to furnish evidence that the service, as bid, will meet or exceed these requirements.

1.15 Addenda. Any interpretations, corrections or changes to the specifications and plans will be made by addenda no later than forty-eight (48) hours prior to the bid opening. Addenda will be posted on the Purchasing web site. Vendors are responsible for monitoring the web site in order to remain informed on addenda. Vendors shall acknowledge receipt of all addenda with submission of bid.

1.16 General Bid Bond/Surety Requirements. Failure to furnish bid bond/surety, if requested, will result in bid being declared non-responsive. Non-responsive bids will not be considered for award.

1.17 General Insurance Requirements. Failure to furnish Affidavit of Insurance, if required in these specifications, will result in bid being declared non-responsive. Non-responsive bids will not be considered for award.

1.18 Responsiveness. A responsive bid shall substantially conform to the requirements of this Invitation to Bid and/or specifications contained herein. Bidders who substitute any other terms, conditions, specifications and/or requirements or who qualify their bids in such a manner as to nullify or limit their liability to the contracting entity shall have their bids deemed non-responsive. Also, bids containing any clause that would limit contracting authority shall be considered non-responsive. Examples of non-responsive bids include but shall not be limited to: a) bids that fail to conform to required delivery schedules as set forth in the bid request; b) bids with prices qualified in such a manner that the bid price cannot be determined, such as with vague wording that may include "price in effect at the time of delivery," and c) bids made contingent upon award of other bids currently under consideration.

1.19 Responsible Standing of Bidder. To be considered for award, bidder must at least: have the ability to obtain adequate financial resources, be able to comply with required or proposed delivery/completion schedule, have a satisfactory record of performance; have a satisfactory record of integrity and ethics, and be otherwise qualified and eligible to receive award.

1.20 Confidential/Proprietary Information

If any material in the bid submission is considered by Bidder to be confidential or proprietary information (including manufacturing and/or design processes exclusive to the Bidder), Bidder **must** clearly mark the applicable pages of Bidder's bid submission to indicate each claim of confidentiality. Additionally, Bidder must include a statement on company letterhead identifying all Bid Submission section(s) and page(s) that have been marked as confidential. Jefferson County will protect from public disclosure such portions of a bid, unless directed otherwise by legal authority, including existing open records acts. Merely making a blanket claim that the entire bid submission is protected from disclosure because it contains some proprietary information is not acceptable, and will make the entire bid submission subject to release under the Texas Public Information Act.

By submitting a bid, Bidder agrees to reproduction by Jefferson County, without cost or liability, of any copyrighted portions of Bidder's bid submission or other information submitted by Bidder.

1.21 Public Bid Opening. Bidders are invited to be present at the opening of bids. After the official opening of bids, a period of not less than one week is necessary to evaluate bids. The amount of time necessary for bid evaluation may vary and is determined solely by the County. Following the bid evaluation, all bids submitted are available for public review.

2. Performance

2.1 Design, Strength, and Quality. Design, strength, and quality of materials and workmanship must conform to the highest standards of manufacturing and engineering practices. The apparent silence of specifications and/or plans as to any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of these specifications and/or plans shall be made on the basis of this statement.

2.2 Age and Manufacture. All tangible goods being bid must be new and unused, unless otherwise specified, in first-class condition, of current manufacture, and furnished ready to use. All items not specifically mentioned that are required for a complete unit shall be furnished.

2.3 Delivery Location. All deliveries will be made to the address(es) specified on the purchase order during normal working hours of 8:00 a.m. to 4:00 p.m., Monday through Friday, unless otherwise authorized by the Purchasing Agent or designee.

2.4 Delivery Schedule. Delivery time may be an important consideration in the evaluation of best value. The maximum number of days necessary for delivery ARO shall be stated in the space, if provided, on the bid form.

2.5 Delivery Charges. All delivery and freight charges, F.O.B. destination shown on Jefferson County purchase order, as necessary to perform contract are to be included in the bid price.

2.6 Installation Charges. All charges for assembly, installation and set-up shall be included in the bid price. Unless otherwise stated, assembly, installation and set-up will be required.

2.7 Operating Instructions and Training. Clear and concise operating instructions and descriptive literature will be provided in English, if requested. On-site detailed training in the safe and efficient use and general maintenance of item(s) purchased shall be provided as needed at the request of Jefferson County. Instructions and training shall be at no additional cost to the County.

2.8 Storage. Bidder agrees to provide storage of custom ordered materials, if requested, for up to thirty (30) calendar days.

2.9 Compliance with Federal, State, County, and Local Laws. Bids must comply with all federal, state, county and local laws, including, but not limited to, all applicable standard safety, emission, and noise control requirements. Any vehicles or equipment shall contain all standard safety, emission, and noise control requirements required for the types and sizes of equipment at the time of their manufacture. The contractor agrees, during the performance of work or service, to comply with all applicable codes and ordinances of Jefferson County or the State of Texas as they may apply, as these laws may now read, or as they may hereafter be changed or amended.

2.10 OSHA. The bidder will certify all equipment complies with all regulations and conditions stipulated under the Williams-Steiger Occupational Safety and Health Act of 1971, as amended. The successful bidder will further certify that all items furnished under this project will conform and comply with federal and State of Texas OSHA standards. The successful bidder will agree to indemnify and hold harmless Jefferson County for any and all damages that may be assessed against the County.

2.11 Patents and Copyrights. The successful vendor agrees to protect the County from claims involving infringements of patents and/or copyrights.

2.12 Samples, Demonstrations and Testing. At Jefferson County's request and direction, bidder shall provide product samples and/or testing of items bid to ensure compliance with specifications. Samples, demonstrations and/or testing may be requested at any point prior to or following bid award. Samples, demonstrations and/or testing may be requested upon delivery and/or any point during the term of resulting contract. All samples (including return thereof), demonstrations, and/or testing shall be at the expense of the bidder/vendor.

2.13 Acceptability. All articles enumerated in the bid shall be subject to inspection by an officer designated for that purpose by Jefferson County. If found inferior to the quality called for, or not equal in value to the specifications, deficient in workmanship or otherwise, this fact shall be certified to the Purchasing Agent, who shall have the right to reject the whole or any part of the same. Items and/or work determined to be contrary to specifications must be replaced at the vendor's expense. Inferior items not retrieved by the vendor within thirty (30) calendar days, or an otherwise agreed upon time, shall become the property of the County. If disposal of such items warrants an expense, an amount equal to the disposal expense will be deducted from amounts payable to the vendor.

2.14 Maintenance. Maintenance required for equipment bid should be available in Jefferson County by a manufacturer authorized maintenance facility. Cost for this service shall be shown on the bid sheet as requested or on a separate sheet, as required. If Jefferson County opts to include maintenance, it shall be so stated in the purchase order and said cost will be included. Service will commence only upon expiration of applicable warranties and should be priced accordingly.

2.15 Material Safety Data Sheets. Under the "Hazardous Communications Act," common known as the "Texas Right to Know Act," a bidder must provide the user department, with each delivery, material safety data sheets which are applicable to hazardous substances defined in the Act. Failure of the bidder to furnish this documentation, will be cause to reject any bid applying thereto.

2.16 Evaluation. Evaluation shall be used as a determinant as to which services are the most efficient and/or most economical for the County. It shall be based on all factors having a bearing on price and performance of the items in the user environment. All bids are subject to tabulation by the Jefferson County Purchasing Department and recommendation to Jefferson County Commissioners' Court. Compliance with all bid requirements and needs of the using department are considered in evaluating bids. Pricing is not the only criteria for making a recommendation. The Jefferson County Purchasing Department reserves the right to contact any bidder, at any time, to clarify, verify or requirement information with regard to this bid.

3. Purchase Orders and Payment

3.1 Purchase Orders. A purchase order(s) shall be generated by the Jefferson County Purchasing Agent to the successful vendor. The purchase order number must appear on all itemized invoices and packing slips. The County will not be held responsible for any work orders placed and/or performed without a valid current purchase order number. Payment will be made for all services rendered and accepted by the contract administrator for which a valid invoice has been received.

3.2 Invoices. All invoices shall reference the Purchase Order number. Invoices shall reference the bid item number or a detailed description for each item invoiced. If an item purchased and itemized on the invoice does not correspond to an item in any of the categories awarded to the vendor, invoice shall reference the item as "N/C" to indicate that it is a non-contract item. This requirement is to assist the County in verifying contract pricing on all invoices. Payment will be made under terms of net thirty (30) days unless otherwise agreed upon by seller and the purchasing department.

3.3 Prompt Payment. In accordance with the State of Texas Prompt Payment Act, Article 601f V.T.C.S., payment will be made after receive and acceptance by the County of the merchandise ordered and of a valid invoice. Successful bidder(s) is required to pay subcontractors within ten (10) days after the successful bidder receives payment from the County.

3.4 Funding. Jefferson County is operated and funded on an October 1 to September 30 basis; accordingly, the County reserves the right to terminate, without liability to the County, any contract for which funding is not available.

4. Contract

4.1 Contract Definition. The General Conditions of Bidding and Terms of Contract, Specifications, Plans, Bidding Forms, Addenda, and any other documents made a part of this bid shall constitute the complete bid. This bid, when duly accepted by Jefferson County, shall constitute a contract equally binding between the successful bidder and Jefferson County.

4.2 Change Order. No different or additional terms will become part of this contract with the exception of a change order. No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders to the contract will be made in writing and at the discretion and approval of Jefferson County. No change order will be binding unless signed by an authorized representative of the County and the vendor.

4.3 Price Re-determination. A price re-determination may be requested at the time of annual renewal. All requests for price re-determination shall be in written form. Cause for such request, i.e., manufacturer's direct cost, postage rates, Railroad Commission rates, Federal/State minimum wage law, Federal/State unemployment taxes, F.I.C.A, Insurance Coverage Rates, etc., shall be substantiated in writing by the source of the cost increase. The bidder's past experience of honoring contracts at the bid price will be an important consideration in the evaluation of the lowest and best bid. Jefferson County reserves the right to accept or reject any/all requests for price re-determination as it deems to be in the best interest of the County.

4.4 Termination. Jefferson County reserves the right to terminate the contract for default if the bidder breached any of the terms therein, including warranties of bidder or if the bidder becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies which Jefferson County may have in law or equity. Default may be construed as, but not limited to, failure

to deliver the proper goods and/or service within the proper amount of time, and/or to properly perform any and all services required to Jefferson County's satisfaction and/or to meet all other obligations and requirements. Contracts may be terminated without cause upon thirty (30) days' written notice to either party unless otherwise specified. Jefferson County reserves the right to award canceled contract to the next lowest bidder. Bidder, in submitting this bid, agrees that Jefferson County shall not be liable to prosecution for damages in the event that the County declares the bidder in default.

4.5 Conflict of Interest. Employees of the County are not permitted to maintain financial interest in, or receive payment, directly or indirectly, borrow from, lend to, invest in, or engage in any substantial financial transaction with any individual, organization, supplier, or subcontractor who does business with the County without disclosure. When conflict of interest is discovered, it shall be grounds for termination of contract.

4.6 Injuries or Damages Resulting from Negligence. Successful vendor shall defend, indemnify and save harmless Jefferson County and all its officers, agents and employees from all suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the successful vendor, or of any agent, employee, subcontractor or supplier in the execution of, or performance under, any contract which may result from bid award. Successful vendor shall pay any judgment with cost which may be obtained against Jefferson County growing out of such injury or damages.

4.7 Interest by Public Officials. No public official shall have interest in this contract, in accordance with Texas Local Government Code.

4.8 Warranty. The successful vendor shall warrant that all materials utilized in the performance of this contract shall conform to the proposed specifications and/or all warranties as stated in the Uniform Commercial Code and be free from all defects in material, workmanship and title.

4.9 Uniform Commercial Code. The successful vendor and Jefferson County agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.

4.10 Venue. This agreement will be governed and construed according to the laws of the State of Texas. This agreement is performable in the County of Jefferson, Texas.

4.11 Sale, Assignment, or Transfer of Contract. The successful vendor shall not sell, assign, transfer or convey this contract, in whole or in part, without the prior written consent of Jefferson County.

4.12 Silence of Specifications. The apparent silence of these specifications as to any detailed description concerning any point, shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

5. Federal Emergency Management Agency (FEMA) Mandated Contract Clauses

If applicable to the work and services being performed by CONTRACTOR under the parties' AGREEMENT, the following provisions are adopted and form part of this AGREEMENT:

(A) DAMAGES, 2 CFR §200.326 Appendix II to Part 200 (A)

(1) All work to be performed under this AGREEMENT shall be timely commenced. A breach of this AGREEMENT by Contractor would cause substantial delay in the completion of the required services affecting the safety and welfare of the public.

(2) In the event of Contractor's breach of its performance obligations, County shall have all rights and remedies against Contractor as provided by law.

(B) TERMINATION RIGHTS, 2 CFR §200.326 Appendix II to Part 200 (B)

Termination for Convenience: Whenever the interests of the County so require, County may terminate the parties' Agreement, in whole or in part, for the convenience of the County. County shall give Contractor thirty (30) days prior written notice of termination specifying the portions of the Agreement to be terminated and when such termination will become effective. If only portions of the parties' agreement are terminated, Contractor has the right to withdraw from the parties' Agreement, without adverse action or claims. In the event of a termination for convenience by County, Contractor shall be entitled to payment for all work and services performed by it up to the effective date of such termination.

Termination for Cause: The County may, by written notice of default to Contractor, terminate the parties' Agreement, in whole or in part, if the Contractor fails to satisfactorily perform any provisions of the parties' agreement after a period of ten (10) following Contractor's receipt of a Notice of Deficiency provided by County.

(C) EQUAL EMPLOYMENT OPPORTUNITY CLAUSE (2 CFR §200.326 Appendix II to Part 200 (C))

If applicable to the work and services performed by CONTRACTOR under the AGREEMENT, during the performance of the AGREEMENT, CONTRACTOR shall comply with the Equal Employment Opportunity Clause (41 CFR 60-1.4(b)):

(1) CONTRACTOR will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. CONTRACTOR will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. AGREEMENTOR agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) CONTRACTOR will, in all solicitations or advertisements for employees placed by or on behalf of the CONTRACTOR, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.

(3) CONTRACTOR will send to each labor union or representative of workers with which it has a collective bargaining agreement or other agreement or understanding, a notice to be provided advising the said labor union or workers' representatives of the CONTRACTOR'S commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) CONTRACTOR will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(5) CONTRACTOR will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor for purpose of investigation to ascertain compliance with such rules, regulations, and orders.

(6) In the event of the CONTRACTOR'S noncompliance with the nondiscrimination clauses of this AGREEMENT or with any of the said rules, regulations or orders, this AGREEMENT may be canceled, terminated, or suspended in whole or in part and the CONTRACTOR may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(7) CONTRACTOR will include the portion of the sentence immediately preceding paragraph (1) and the provisions of subparagraphs 1 through 7 in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or contractor. CONTRACTOR will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance; provided, however, that in the event CONTRACTOR becomes involved in, or is threatened with, litigation with a subcontractor or contractor as a result of such direction by the administering agency the CONTRACTOR may request the United States to enter into such litigation to protect the interest of the United States.

D. DAVIS-BACON ACT AND COPELAND "ANTI-KICKBACK" ACT, 2 CFR §200.326 Appen. II to Part 200 (D)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT:

(1) Bacon-Davis Act: Applicable to construction or repair of public buildings or public works. see FEMA Public Assistance Program and Policy Guide, Ch.2(V)(G)(2), page 32 (FP 104-009-2/January 2016);

(2) Copeland "Anti-Kickback" Act: In contracts subject to the Davis-Bacon Act, CONTRACTOR shall comply with the Copeland "Anti-Kickback" Act (40 U.S.C. §3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that the contractor and subcontractor must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The GOVERNMENT must report all suspected or reported violations to the appropriate Federal agency.

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT:

(a) CONTRACTOR shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this AGREEMENT.

(b) CONTRACTOR or subcontractor shall insert in any subcontract the clause above and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The CONTRACTOR shall be responsible for the compliance by any subcontractor or lower tier subcontract with all of these contract clauses.

(c) A breach of the AGREEMENT clause above may be grounds for termination of the AGREEMENT, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. §5.12.

E. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, 2 CFR §200.326 Appendix II to Part 200 (E) (40 U.S.C. 3701-3708)

Contracts in excess of \$100,000 that involve the employment of mechanics or laborers shall comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor and its subcontractors shall compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation: liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

(3) Withholding for unpaid wages and liquidated damages. The GOVERNMENT shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) The contractor and subcontractor shall insert in any subcontract the clauses set forth in paragraphs (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts.

F. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT, 2 CFR §200.326 Appendix II to Part 200 (F)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT and if the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the GOVERNMENT wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the GOVERNMENT must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business."

G. CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT, 2 CFR §200.326 Appendix II to Part 200 (G)

CONTRACTOR shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

CONTRACTOR shall include the foregoing requirements in each subcontract exceeding \$100,000.

H. ENERGY EFFICIENCY AND CONSERVATION, 2 CFR §200.326 Appendix II to Part 200 (H)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT, CONTRACTOR shall comply with the mandatory standards and policies of the state regulation promulgated in accordance with the Energy Policy and Conservation Act (42 U.S.C. § 6201).

I. DEBARMENT AND SUSPENSION, 2 CFR §200.326 Appendix II to Part 200 (I)

(1) This AGREEMENT is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the CONTRACTOR is required to verify that none of the contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

(2) The CONTRACTOR must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

(3) This certification is a material representation of fact relied upon by GOVERNMENT. If it is later determined that the CONTRACTOR did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to GOVERNMENT, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

(4) The CONTRACTOR agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C AGREEMENT is valid and throughout the period of performance. The CONTRACTOR further agrees to include a provision requiring such compliance in its lower tier covered transactions.

J. BYRD ANTI-LOBBYING AMENDMENT, 2 CFR §200.326 Appendix II to Part 200 (J)

CONTRACTOR must file with the GOVERNMENT the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award. If not provided with the bid response, CONTRACTOR must complete and submit the Certification Regarding Lobbying Form.

K. PROCUREMENT OF RECOVERED MATERIALS, 2 CFR §200.326 Appendix II to Part 200 (K) and 2 CFR §200.322)

(1) In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired-

- (a) Competitively within a timeframe providing for compliance with the contract performance schedule;
- (b) Meeting contract performance requirements; or
- (c) At a reasonable price.

(2) Information about this requirement is available at EPA's Comprehensive Procurement Guidelines web site, <http://www.epa.gov/cpg/>. The list of EPA-designate items is available at <http://www.epa.gov/cpg/products/htm>.

L. AGREEMENTING WITH SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS (2 CFR §200.321)

Should the CONTRACTOR subcontract any of the work under this AGREEMENT, CONTRACTOR shall take the following affirmative steps: place qualified small and minority businesses and women's business enterprises on solicitation lists; assure that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources; divide total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises; establish delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and use the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

M. ACCESS TO RECORDS

(1) CONTRACTOR agrees to provide GOVERNMENT, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives' access to any books, documents, papers, and records of the Contractor which are directly pertinent to this AGREEMENT for the purposes of making audits, examinations, excerpts, and transcriptions.

(2) CONTRACTOR agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

(3) CONTRACTOR agrees to provide the FEMA Administrator or his authorized representatives' access to construction or other work sites pertaining to the work being completed under the contract.

N. SEAL, LOGO AND FLAGS

CONTRACTOR shall not use the U.S. Department of Homeland Security's seal(s), logos, crests, or reproductions of flags or likenesses of the U.S. Department of Homeland Security's agency officials without specific FEMA preapproval.

O. COMPLIANCE WITH FEDERAL LAW, REGULATIONS AND EXECUTIVE ORDERS

This is an acknowledgement that FEMA financial assistance will be used to fund the AGREEMENT only. CONTRACTOR will comply will all federal law, regulations, executive orders, FEMA policies, procedures, and directives.

P. NO OBLIGATION BY FEDERAL GOVERNMENT

The Federal Government is not a party to this AGREEMENT and is not subject to any obligations or liabilities to GOVERNMENT, CONTRACTOR, or any other party pertaining to any matter resulting from the contract.

Q. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS

CONTRACTOR acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the CONTRACTOR'S actions pertaining to this contract.

Special Requirements/Instructions

The following requirements and instructions supersede General Requirements where applicable.

1. Bid Requirement

Each bidder shall ensure that required parts of the bid are completed with accuracy and submitted as per the requirements within this specifications packet, including any addenda.

Bidder is responsible for submitting one (1) *original* bid copy to include a completed copy of this specifications packet in its entirety; and three (3) numbered bid copies to include at a minimum all pages requiring completion and/or marked with instructions to be returned with bid submission and any other documentation requested within these specifications.

All bids shall be tightly sealed in an opaque envelope or box and plainly marked "SEALED BID." The outside of the envelope or box shall also include: Bid Number, Bid Name, Bid Due Date, Bidder's Name and Address; and shall be addressed to the Purchasing Agent.

Jefferson County shall not be responsible for any effort or cost expended in the preparation of a response to this IFB. All protests should be coordinated through the Purchasing Office prior to award recommendation to Commissioners' Court.

2. Vendor Registration: SAM (System for Award Management).

Vendors doing business with Jefferson County are **required** to be registered with The System for Award Management (SAM), with an "active" status. The System for Award Management (SAM) is the Official U.S. Government system that consolidated the capabilities of CCR/FedReg, ORCA, and EPLS. There is NO fee to register for this site. Entities may register at no cost directly from the SAM website at: <https://www.sam.gov>

Bidders are strongly encouraged to review their firm's SAM (System for Award Management) status prior to Bid Submission.

3. Awarded Vendor(s): Submission of FORM 1295 (Texas Ethics Commission)

In accordance with House Bill 1295 (passed January 1, 2016), Vendors entering into contracts and professional agreements with Jefferson County will be required to complete a Certificate of Interested Parties (FORM 1295).

In 2017, the Texas legislature amended the law to require Form 1295 to include an "unsworn declaration" which includes, among other things, the date of birth and address of the authorized representative signing the form. The unsworn declaration, including the date of birth and address of the signatory, replaces the notary requirement that applied to contracts entered into before January 1, 2018. The TEC filing application does not capture the date of birth or street address of the signatory and it will not appear on forms that are filed using the TEC filing application.

Upon entering into a contract or professional agreement, the Jefferson County Purchasing Department will submit a request to the Vendor to both:

1. Submit a FORM 1295 online via the Texas Ethics Commission website link below.

Vendors must enter the required information on Form 1295, and print a copy of the completed form. The form will include a certification of filing that will contain a unique certification number.

2. Submit a FORM 1295 hard copy (completed & signed by an Authorized Agent of the Awarded Vendor), to the Jefferson County Purchasing Department.

FORM 1295, Completion Instructions, and Login Instructions are available via the Texas Ethics Commission Website at: https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

4. **Multiple Vendor Award**

Jefferson County reserves the right to award this contract to more than one vendor at the County's discretion.

5. **Delivery**

If delivery is required, all items must be packaged so as to be protected from damage during shipping and handling. Any item(s) damaged in shipping must be replaced in kind, or repaired, by the contractor, at the discretion of, and at no additional charge to, Jefferson County.

6. **Payment**

Jefferson County will pay original invoices that clearly itemize the goods and/or services provided as to quantity, part number, description, price, applicable discount (if any), labor charges showing time differential, if applicable and if previously agreed to, and delivery, installation, and set-up costs, if applicable and if previously agreed to. Only charges as stated on the Bid Form(s) submitted as a part of the bid will be considered.

Invoices must indicate Jefferson County as applicable, the address to which the product(s) and/or service(s) were delivered, and the applicable purchase order number. Invoices will be matched to delivery tickets prior to payment; therefore, all delivery tickets should have an accurate description of the product(s) and/or service(s).

Invoices shall be submitted to: Jefferson County Auditing Department, Attention: Accounts Payable, 1149 Pearl Street, 7th floor, Beaumont, TX 77701.

7. **Usage Reports**

Jefferson County reserves the right to request, and receive at no additional cost, up to two (2) times during the contract period, a usage report detailing the products and/or services furnished to date under a contract resulting from this IFB. The reports must be furnished no later than five (5) working days after written request and itemize all purchases to date by Jefferson County department, description of each item purchased, including manufacturer, quantity of each item purchased, per unit and extended price of each item purchased, and total amount and price of all items purchased.

8. **Insurance**

The contractor (including any and all subcontractors as defined in Section 9.1.3 below) shall, at all times during the term of this contract, maintain insurance coverages with not less than the type and requirements shown below. Such insurance is to be provided at the sole cost of the contractor. These requirements do not establish limits of the contractor's liability.

All policies of insurance shall waive all rights of subrogation against the County, its officers, employees and agents; a copy of the policy wording or endorsement is required.

Contractor shall furnish Jefferson County with Certificate of Insurance and applicable endorsements.

All insurance must be written by an insurer licensed to conduct business in the State of Texas.

Minimum Insurance Requirements

General Liability, including Products	\$1,000,000
Business Auto Liability	\$1,000,000
Cargo / Transit Coverage	Replacement Cost Value of Equipment Purchased
Excess Liability	\$1,000,000
Workers' Compensation	Statutory Coverage

9. Workers' Compensation Insurance

9.1 Definitions:

- 9.1.1 **Certificate of coverage ("Certificate")** – A copy of a certificate of insurance, a certificate of authority to self-insure issued by the commission, or a coverage agreement, DWC-81, DWC-82, DWC-83, or DWC-84 showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the duration of the project.
- 9.1.2 **Duration of the project** – Includes the time from the beginning of the work on the project until the contractor's/person's work on the project has been completed and accepted by the governmental entity.
- 9.1.3 **Persons providing services on the project ("subcontractor") in article 406.096** – Includes all persons or entities performing all or part of the services under the contractor has undertaken to perform on the project, regardless of whether that person contracted directly with the contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractor, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services on the project. "Services" includes, without limitation, providing, hauling or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the project, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

- 9.2 The Contractor shall provide coverage, based on proper reporting of classification code and payroll amounts and filing any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all employees of the contractor providing services on the project, for the duration of the project.
- 9.3 The Contractor must provide a certificate of coverage to the governmental entity prior to being awarded the contract – refer to Section 8 above.
- 9.4 If the coverage period shown on the Contractor's current certificate of coverage ends during the duration of the project, the Contractor must, prior to the end of the coverage period, file a new certificate of coverage with the governmental entity showing that coverage has been extended.
- 9.5 The Contractor shall obtain from each person providing services on a project, and provide to the governmental entity:
 - 9.5.1 A certificate of coverage, prior to that person beginning work on the project, so the governmental entity will have on file certificates of coverage showing coverage for all persons providing services on the project; and
 - 9.5.2 No later than seven (7) days after receipt by the Contractor, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate ends during the duration of the project.
- 9.6 The Contractor shall retain all required certificates of coverage for the duration of the project and for one (1) year thereafter.
- 9.7 The Contractor shall notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the contractor knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project.
- 9.8 The Contractor shall post on each project site a notice, in the text, form and manner prescribed by the Texas Department of Workers' Compensation, informing all persons providing services on the project that they are required to be covered, and stating how a person may verify coverage and report lack of coverage.

- 9.9 The Contractor shall contractually require each person with whom it contracts to provide services on a project to:
- 9.9.1 Provide coverage, based on reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all its employees providing services on the project, for the duration of the project.
 - 9.9.2 Provide to the Contractor, prior to that person beginning work on the project a certificate of coverage showing that coverage is being provided for all employees of the person providing services on the project, for the duration of the project.
 - 9.9.3 Provide the Contractor, prior to the end of coverage period, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project.
 - 9.9.4 Obtain from each person with whom it contracts, and provide to the Contractor:
 - 9.9.4.1 A certificate of coverage, prior to the other person beginning work on the project; and
 - 9.9.4.2 the coverage period, if the coverage period shown on the current certificate of a new certificate of coverage showing extension of coverage, prior to the end of coverage ends during the duration of the project.
 - 9.9.5 Retain all required certificates of coverage on file for the duration of the project and for one (1) year thereafter.
 - 9.9.6 Notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the person knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project; and
 - 9.9.7 Contractually require each person with whom it contracts to perform as required by paragraphs 9.1. – 9.7., with the certificates of coverage to be provided to the person for whom they are providing services.
- 9.10 By signing this contract or providing or causing to be provided a certificate of coverage, the Contractor is representing to the governmental entity that all employees of the contractor who will provide services of the project will be covered by workers' compensation coverage for the duration of the project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.
- 9.11 The Contractor's failure to comply with any of these provisions is a breach of contract by the Contractor which entitles the governmental entity to declare the contract void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the governmental entity.

Minimum Specifications

The following requirements and specifications supersede General Requirements where applicable. Any questions relating to these requirements should be directed to Jamey West, Assistant Purchasing Agent, at 409-835-8593 or jwest@co.jefferson.tx.us. Bidders may submit technical questions to: Jason Castille, with Jefferson County Precinct No. 3 at pct3sc@co.jefferson.tx.us. Please reference bid number IFB 18-013/JW.

Please be sure to review these bid specifications *carefully*, as the item that you are offering must **MEET OR EXCEED** these specifications.

Scope

Jefferson County is soliciting bids for heavy equipment to replace equipment that was damaged and rendered unrepairable due to Hurricane Harvey. **All bids should be for brand new, completely unused equipment.**

The specifications shown in this bid packet are intended to define the level of quality, performance, and features ONLY. Products offered shall be of equivalent dimensions, quality, performance and features or better (the brand name product listed is not required).

Instructions to Bidders (Re: Brand Reference / Equivalent Item Bids)

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders Submitting Bids for Alternate/Equivalent Items:

► Bidders may submit bids on alternate/equivalent items, but **MUST** attach TWO (2) COPIES of the MANUFACTURER SPECIFICATIONS (to include full warranty terms) for any alternate at the time of the bid.

► Bidders offering alternate/equivalent items **MUST ALSO** submit an ITEMIZED COMPARISON documenting equivalence for dimensions, quality, performance, and features of the products offered.

Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders Submitting Bids for Exact Make/Model as specified:

► Bidders offering the exact make/model as specified, **MUST** attach TWO (2) COPIES of the MANUFACTURER SPECIFICATIONS (to include full warranty terms).

Bid Item 1: Motor Grader

One (1) Mustang CAT Model: 120M2 Motor Grader or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey. This piece of equipment is to be in new, unused condition.

For full technical specifications for this bid item, see **APPENDIX A**.

Warranty Term for this equipment (included, without additional cost) should be at least: Five (5) calendar years from the date of delivery of equipment. The first year of warranty should cover the powertrain and hydraulics for an unlimited amount of hours; with warranty years 2-5 to cover 3,000 hours for powertrain and hydraulics.

Trade-In: Jefferson County will be trading in a used and **flood-damaged** 1998 Champion Motor Grader Model 710 A towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 1: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 22-36).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 37).

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Machine designed and built by the manufacturer
- N/A Base Machine Weight shall not be less than 37,214 lbs. Weight shall include: standard machine configuration, lubricants, coolants, full fuel tank and operator of 200 lbs.
- N/A Machine height to top of the cab shall not exceed 131 in.
- N/A Machine length from the front outside edge tire to end of tow hitch shall not be less than 344 in.
- N/A Machine length from counterweight to ripper not exceed 394 in.
- N/A Machine Wheel Base (distance from front axle to mid tandem) shall not be less than 233 in.
- N/A Rear frame includes two box section channels with an integrated bumper as standard.
- N/A Toolbox
- N/A Window protectors
- N/A Cruise control
- N/A Drain, ecology, engine Wiggins
- N/A Cat Product Link 321SR

BASIC SPECIFICATIONS – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Vandal protection standard including locks for cab doors, engine side shields, (4) top tank radiator access door, engine coolant surge tank, hydraulic reservoir cap, fuel tank cap and toolbox.
- N/A Rear hitch.

ENGINE

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Engine designed and built by the manufacturer.
- N/A Engine is turbo-charged, direct injection, four stroke, 6-cylinder diesel engine.
- N/A 209 horsepower
- N/A Engine is certified EPA Tier 4 Final.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ENGINE (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Engine electronically controlled for more efficient fuel injection and fuel burn.
- N/A Engine able to achieve rated power requirement with engine displacement not less than 7.1L (428 in.³) for better fuel economy.
- N/A Engine capable of increasing its low idle to 1,000 rpm when the battery voltage is below 24.5 volts for more than 5 minutes to ensure adequate system voltage and battery reliability.
- N/A Altitude deration will not occur at altitudes less than 10,000 ft. The deration rate above 10,000 ft. shall be 1.5% per 1,000 ft.
- N/A Rated engine power shall not be achieved at an engine speed greater than 2,100 rpm.
- N/A Engine will have a minimum torque rise of 56% from 2,100 rpm to peak torque following SAE J1349 (net power with max fan).
- N/A Engine enclosure and daily service points accessible from ground level and grouped on the left side of the machine.
- N/A Engine fan automatically adjusts fan speed via a variable hydraulic fan pump to meet engine cooling requirements thus reducing demand on the engine, putting more horsepower to the ground, reducing noise, improving fuel economy, and reducing heat.
- N/A Engine allows for at least 500 hours of operation between oil changes.
- N/A Engine is isolation/resilient mounted to minimize sound and vibration.
- N/A Engine compartment doors are lockable without the use of external locks.
- N/A Engine automatically lowers engine torque and alerts the operator if critical conditions are detected.
- N/A Engine has air-to-air after cooler for superior engine performance.
- N/A Engine oil cooler is a water to oil shell and tube cooler system.
- N/A Machine has a 12,000 hour coolant interval from factory.
- N/A The cooling package air intake has 2.8 mm perforated inlet screen.
- N/A The charged air cooler (ATAAC) has 9 fins per inch.
- N/A Heater, engine coolant: 120 V
- N/A Heater, engine coolant: 240 V

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ENGINE-OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A A jacket water heater to assist in cold weather starting.
- N/A An engine coolant heater to assist in cold weather starting.
- N/A Ether starting aid included to automatically meter ether injection to prevent engine damage.

POWERTRAIN/TRANSMISSION

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Transmission built by the machine manufacturer.
- N/A Transmission is direct drive, power shift, countershaft type.
- N/A Transmission is equipped with built-in self-diagnostic capability.
- N/A Transmission shall have no less than 8 forward speeds and 6 reverse speeds (for added safety).
- N/A Transmission has 5 working gears between 0-10.4 mph, for dirt applications.
- N/A Transmission is isolated/resilient mounted to reduce sound and vibration.
- N/A Transmission: auto shift.
- N/A Powertrain: fuel tank, fast fill.
- N/A Powertrain: Oil, hydraulic, biodegradable synthetic.
- N/A Starter: heavy duty, 1,000 Amp
- N/A A controlled throttle shifting system to smooth directional gear changes without use of inching pedal
- N/A Electronic Throttle Control (cruise control), controlled by a push button, located on a 3-axis joystick as standard on the right joystick control for resuming and decreasing throttle set.
- N/A Electronic Throttle Control modes, set and accelerate functions, located on the right control column for easy access.
- N/A A load compensating system for transmission to ensure consistent shift quality in all applications.
- N/A Automatic Differential Lock/Unlock feature included and shall not have speed, shuttle shifting or tandem spinning restrictions for engaging/disengaging. System is load-sensing for optimal performance.
- N/A Automatic mode that shall not be overridden via manual intervention for optimal performance and to prevent unintended differential engagement.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

POWERTRAIN/TRANSMISSION (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Differential Lock/Unlock that is electro-hydraulically controlled, as a standard feature.
- N/A Differential Lock/Unlock that is multi-disc design.
- N/A Final drive with planetary design.
- N/A The rear axle with a bolt-on modular design offering easy access to differential components, improving serviceability and contamination control.
- N/A The total surface area of all the transmission clutch packs not be less than 1,495 in.².
- N/A Diameter at the output end of the transmission shaft no less than 2.29 in..
- N/A Electronic inching pedal for improved modulation and machine control.
- N/A Electronic over-speed protection to prevent the engine and transmission from over speeding, as a standard feature.
- N/A Machine shall have no drive shafts that cross over the articulation hitch.

POWERTRAIN/TRANSMISSION - OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A An auto-shift transmission option available on all forward and reverse gears.

STEERING & IMPLEMENT CONTROLS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Steering wheel shall not be required to operate machine.
- N/A Joystick steering capabilities shall be ISO 5010.
- N/A Machine shall employ a friction pack style steering mechanism, utilizing the follow steer concept.
- N/A The left 3-axis joystick that controls wheel lean with individual left and right wheel lean buttons as standard.
- N/A Primary steering capable of being achieved via a left hand, multifunction, 3-axis, joystick as standard, using an intuitive steering control system that automatically adjusts steering sensitivity as machine ground speed increases.
- N/A Articulation to the right or left shall be achieved by multifunction, 3-axis left joystick with the twist of such to the right or left by the left-hand, multifunction, 3-axis joystick.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STEERING & IMPLEMENT CONTROLS (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A An articulation return-to-center button on the left multifunction, 3-axis, joystick, shall return the machine to a straight frame position from any articulation angle with the touch of a single button.
- N/A The right 3-axis joystick shall primarily control the Drawbar, Circle, and Moldboard.
- N/A Machine, Drawbar, Circle, and Moldboard control shall be achieved via right-hand multifunction, 3-axis, joystick, including moldboard slide and tip, drawbar center shift through a 4-way hat switch and circle turn by a left or right twist intuitively.
- N/A Blade lift cylinders individually controlled by the multifunction, 3-axis joysticks; Lift and drop of cylinders shall be achieved forward and back motion of the respective joystick. Forward (left joystick) lowers the left cylinder, back (left joystick) raises the left lift cylinder, forward (right joystick) lowers the right lift cylinder, back (right joystick) raises the right lift cylinder.
- N/A Joystick controls mounted to adjustable pedestals, hard mounted to the cab floor, independent of the operator seat.
- N/A Secondary steering with primary and secondary power supply in the event the primary source is lost.
- N/A Transmission direction control with a 3-position rocker switch for selecting forward, neutral, and reverse incorporated into a single, 3-axis, multi-function, left-hand joystick control.
- N/A Manual Differential Lock/Unlock that is operator controlled, via a push-button, located on a single, 3-axis, multi-function, right-hand joystick control.
- N/A Two redundant articulation sensors.
- N/A Two redundant sensors shall be standard in the steering cylinders (one in each).
- N/A Three redundant sensors shall be provided in the steering joystick for additional safety.

BRAKES

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Primary and secondary service brakes.
- N/A Entire braking system shall meet all requirements of ISO 3450: 1996.
- N/A Two separate left and right hydraulic brake accumulators shall be standard for safety.
- N/A Parking brake shall be multi-disc, oil-cooled, spring-applied, hydraulically released, sealed, adjustment-free and integrated into the transmission. Park brake shall not be externally located.
- N/A Parking brake shall be serviceable without removing the transmission.
- N/A Service brakes shall be multi-disc, oil-cooled and completely sealed; they will also provide access to check and determine brake wear without removing or disassembling the brake assembly.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

BRAKES (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Service brake disc surfaces shall be grooved and carry oil between discs and plates with brakes fully applied.
- N/A Service brakes shall be hydraulically actuated, utilizing dual independent brake circuits.
- N/A Brakes shall be continuously pressurized, filtered, oil cooled.
- N/A Individual brake pods for each rear wheel, located at each rear wheel inside the tandem box, independent of tandem chains.
- N/A Compensation components at all four tandem brake pods in addition to the brake wear indicator.
- N/A Brake line protection, including tandem walkways and hydraulic brake line guarding, shall be required to prevent line damage.
- N/A Service brakes shall provide a minimum of 3,565 in.² of total friction material surface area used at each of the four tandem wheels to eliminate braking loads on the power train.

HYDRAULIC SYSTEM

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Triple redundant hydraulic relief system shall protect machine hydraulic components.
- N/A Hydraulic implement pump shall produce between 0 and 55.5 gal/min (210L/min) of oil flow at high idle.
- N/A Hydraulic system shall be a closed center, load sensing type, with a variable displacement, axial piston-type pump.
- N/A Hydraulic system shall be fully sealed, using Duo-cone and O-ring face seals to prevent leaks, contamination, and spillage.
- N/A Hydraulic tank shall have a baffling system to reduce potential pump cavitations.
- N/A Maximum hydraulic system pressure shall be no more than 3,500 psi.
- N/A Implement valves shall be electro-hydraulic, designed and built by the machine manufacturer.
- N/A Implement pump shall not be mounted under cab floor, minimizing sound and vibration.
- N/A Hydraulic arrangements with one or more additional hydraulic valves for rear ripper, dozer.
- N/A Implement valves shall be proportional priority pressure compensating for consistent response, when multi-functioning any combination of implement controls and independent of engine speed.
- N/A Implement pump solely dedicated to implement controls and not shared with any other components.
- N/A Lock valves integrated into the main implement valve to prevent cylinder drift.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

HYDRAULIC SYSTEM (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A The hydraulic stand-by pressure shall be no more than 609 psi.
- N/A Provision to install up to fifteen modulating hydraulic valves, controlled by two, three-axis, multi-functioning, joystick controls and auxiliary controls inside the cab.
- N/A Hydraulic valves shall not be mounted under the cab floor, minimizing sound and vibration.
- N/A Left and right blade lift cylinders shall have independent float capability, actuated by two multifunction, 3-axis joystick controls inside the cab, as a standard feature.
- N/A Sight gauge provided for checking hydraulic reservoir fluid.
- N/A Hydraulic oil change service interval shall be no less than 6,000 hours with oil sampling.
- N/A Hydraulic system shall have a separate oil tank solely dedicated to the implement pump.

FRONT AXLE AND TANDEMS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Front axle oscillation shall be no less than 32 degrees total, per side 16 degrees up, 16 degrees down.
- N/A Front axle with arched design for maximum ground clearance.
- N/A Wheel spindle shall be a "live" spindle design and rotate inside a sealed compartment with lightweight oil for lubrication of the bearings.
- N/A Front spindle that is heat induction hardened.
- N/A Front wheel spindle bearings shall be a double-tapered design with the larger diameter bearing mounted closest to the centerline of the front tire.
- N/A Front wheel spindle maintenance intervals shall be no less than 2,000 hours.
- N/A Front wheel steering angle no less than 47.5 degrees left or right.
- N/A Maximum front wheel lean no less than 18 degrees left or right.
- N/A Machine turning radius not exceed 24 ft. 3 in. using front steering, full articulation and unlocked differential.
- N/A Distance between center of tandem wheels no less than 59.5 in..
- N/A Tandem chain pitch not be less than 1.8 in..
- N/A Tandems capable of oscillating 15 degrees front tandem up and 25 degrees front tandem down, with full machine articulation and having no interference between tandem wheel and machine structure.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

FRONT AXLE AND TANDEMS (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Electronic and mechanical steering stops located at each wheel and steering cylinder relief valves shall be present to prevent steering system damage during normal operation.
- N/A Steering tie rod ends shall be heat induction hardened.
- N/A Two steering cylinders for maximum steering force.
- N/A When equipped with a ripper, the machine shall have a minimum ramp angle of 15 degrees.

TIRES AND RIMS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A A 10 inch by 24 inch size 3-piece tire rim shall be available to provide mounting for 14.00R24 conventional tires.

TIRES AND RIMS – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A A 14 inch by 25 inch size 3-piece tire rim shall be available to provide mounting for 17.5-R25 tires.

GUARDS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Guards: Sound suppression (bottom)
- N/A Guards: Sound suppression (enclosure)
- N/A Guards: Transmission

OPERATORS STATION

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A An enclosed cab with ROPS (Rollover Protective Structure) according to ISO 3471 shall be provided.
- N/A Cab door with hold-open clasp with a ground-level release and in addition to, a release in the cab.
- N/A Cab shall be isolation-mounted to the front frame section of the machine.
- N/A Cab shall have fixed front window of laminated glass with intermittent wiper.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

OPERATORS STATION (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A FOPS (Falling Object Protective Structure) shall be provided according to ISO 3499.
- N/A Machine shall have no less than 17 adjustable vents, positioned to direct air to front windows and operator.
- N/A Radio ready arrangement will include 24V to 12V converter, two speakers, antenna, and wiring.
- N/A An instrument cluster that includes a speedometer, tachometer, coolant temperature, fuel and articulation angle gauge.
- N/A Operator cab fresh air-filter accessible for clean out and replacement, from outside of the cab at ground level.
- N/A A real-time information system shall monitor all system data and alert the operator of any faults through a digital text display. This information system shall be programmable for multiple languages.
- N/A Left and right side cab doors shall be provided.
- N/A Wipers on side and rear windows.
- N/A Digital machine hour meter.
- N/A Electronic message system shall provide real-time machine performance and diagnostic data.
- N/A Mirrors, outside: heated 24 V
- N/A Mirrors, outside: mounted
- N/A Precleaner: HVAC
- N/A Radio Ready, AM/FM
- N/A Shade, sun
- N/A Forward visibility shall be continuous and unobstructed glass from roofline to floor providing visibility of the blade, heel and toe, back of the cutting edge, and front tires.
- N/A Access to cab shall be three anti-skid steps.
- N/A Cab shall have cup holder, personal cooler holder/storage compartment for operator's manual, with a molded floor mat.
- N/A Window washer fluid bottle refill spout shall be located external of the cab.
- N/A Auxiliary control pod, with implement float control capability, shall be available.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

OPERATORS STATION – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Auxiliary controls shall be available for control of attachment implements and/or work tools, and shall be programmable via computer software.
- N/A Auxiliary controls shall be a fingertip control type and located beside the right-hand joystick control.
- N/A Integrated display and wiring for a rear vision camera shall be available with capability to view at all times without interfering with the gauge and diagnostic display.
- N/A A rear sun shade shall be available.
- N/A A rear defroster fan shall be available.
- N/A An air suspension seat shall be available.

CIRCLE & MOLDBOARD

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Drawbar, circle, and moldboard shall be controlled with a maximum of two multifunction, 3-axis joysticks, as standard.
- N/A Drawbar wear strips shall be replaceable drop-in inserts made from nylon composite materials, replaceable and adjustable from the top of the drawbar plate via removable cover plates.
- N/A The drawbar shall feature welded protective wear plates to prevent lift group contact with the primary drawbar structure.
- N/A The moldboard shall be 12 ft. long, 24 in. high and no less than 7/8 in. thick.
- N/A Moldboard shall have a bank slope angle capability of at least 90 degrees to both sides.
- N/A Moldboard shall have no less than 16.3 in. arc radius (blade curvature) for optimum productivity.
- N/A The moldboard retention system shall have no more than two retention points located on the left and right side of the moldboard. The surface area shall no be less than 78.13 in.².
- N/A Moldboard shall have a hydraulic tip control through a range of 40 degrees fore and 5 degrees aft.
- N/A Moldboard wear strips shall be adjusted with lock screws, providing shim-less adjustment capability both vertical and horizontal.
- N/A The moldboard shall be pre-stressed during manufacturing for superior strength and durability.
- N/A Moldboard side rails shall be constructed of heat-treated, high carbon steel and have replaceable bronze alloy wear inserts on top and bottom.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

CIRCLE & MOLDBOARD (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Circle shall be a single piece, rolled-ring forging, with raised wear surfaces on the top and bottom.
- N/A Circle shall be rotated by a hydraulically driven motor with a minimum circle pinion torque capability of 44,253 ft.-lb.
- N/A Circle teeth contact surfaces shall be induction-hardened on the front 240 degrees of the circle.
- N/A Blade lift and center shift cylinders shall have replaceable bronze-alloy wear inserts in the ball sockets with removable shims to insure the ability to remove free play throughout the useful wear insert life.
- N/A The lift cylinder casting shall be welded to the front frame for added strength and structural integrity.
- N/A The standard mounting hardware for cutting edges and end bits shall be 3/5 inch.
- N/A Linkbar pin shall be separate from pin pulling mechanism for easier service and lower O&O costs.
- N/A The draft frame pivot connection shall have a single ball stud with grease zerk. Ball stud shall be bolt-on, shimable and adjustable to allow for quick and easy field serviceable design.
- N/A Three sideshift anchor positions shall be provided for extended reach capability as standard.
- N/A Pinion Gear shall be separate from the Pinion Shaft to allow for a quick and easy serviceable design.
- N/A Circle outside diameter shall be no less than 60.2 in.
- N/A Throat clearance with standard moldboard shall be at least 126 mm.
- N/A There will be no more than 6 replaceable wear inserts between the circle and drawbar providing at least 163 in.² of wear surface area.

CIRCLE & MOLDBOARD – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Blade lift accumulators shall be provided, protecting cutting edge and other components from damage shock loads as an option.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

WORK TOOLS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Blade extension, left hand (2 ft.)
- N/A Cutting edges, curved
- N/A Endbits, overlay
- N/A Front lift group, mounting
- N/A Front lift group, mechanical
- N/A Grader bit, narrow and super penetration
- N/A Push plate, counterweight
- N/A Ripper, mounting
- N/A Ripper, rear
- N/A Ripper tooth

ELECTRICAL

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Six 3 X 3 halogen mounted cab lights.
- N/A 24 V to 12 V converter with 10-amp capacity.
- N/A Starting system shall be a 24 V direct electric type.
- N/A Incandescent white reversing lamps and LED stop lamps shall be provided.
- N/A Electrical system shall have a master disconnect switch with a removable key (in addition to the ignition switch), accessible from the ground level.
- N/A Core machine systems shall be electronically connected, optimizing performance and preventing machine damage.
- N/A All wiring arranged and located so as to facilitate regular visual inspections, not to be in contact with hot surfaces and not routed with other services lines (e.g. fuel, oil, etc.)
- N/A All harnesses/cabling secured with clipping clamps providing a gap between the conduit/harness and the mounting surface preventing material build-up.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ELECTRICAL – OPTIONAL ATTACHMENTS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- N/A 800 CCA batteries
- N/A 80 amp alternator
- N/A High and low bar headlights with front turn signals.
- N/A Amber LED high-speed strobe beacon.
- N/A 24V to 12V converter with 25 amp capacity.
- N/A Lights: high
- N/A Lights: low
- N/A Lights: Working lights, basic
- N/A Lights: Working lights, plus
- N/A Lights: Warning: beacon or strobe
- N/A Lights: Mounting for warning light

SERVICEABILITY

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- N/A High-speed oil drain system with ground level quick-connect access.
- N/A Lockable swing-out cooling fan housing featuring a latch-style mechanism (shall not be of a bolted design), allowing easy access to cores. Ability to open/close shall be ground level accessible, eliminating need to climb on machine.
- N/A Dip stick (at ground level) for checking transmission fluid.
- N/A Hydraulic tank site gauge, readable from the ground.
- N/A Hydraulic tank filter (cartridge style filter) providing a separate filter element, housing, and drain valve for quick and clean servicing.
- N/A Ability for ground level fueling.
- N/A Sampling ports accessible from the tandem level and providing access to the engine, hydraulic, coolant, and fuel ports.
- N/A A two-way communication tool shall give service technicians easy access to stored diagnostic data and allow configuration of machine parameters.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

SERVICEABILITY (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A The articulation joint shall have mechanical locking device to prevent frame articulation while servicing or transporting the machine.
- N/A Left and right side tandem case assemblies shall be covered with punched steel plate to provide an adequate platform for standing and walking.
- N/A Sampling ports shall be accessible from the tandem level and provide access to the engine, hydraulic coolant, and fuel ports.
- N/A Engine primary and final fuel filters with 500 hour service replacement interval.
- N/A Engine with primary fuel filter with fuel water separator and electronic sensor, quick release dual stage filter and primer pump.
- N/A Centralized lube bank at the articulation joint to give access to difficult zerks.
- N/A Transmission filter restriction indicator displayed in the cab.
- N/A Lock-out Tag-out capabilities provided standard to increase the safety levels during down time; ensuring that an energy isolating device and the machine which are being worked cannot be operated.

SERVICEABILITY – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Guard to protect the machine's transmission from debris.
- N/A Guard to suppress sound from the engine.

MINIMUM SERVICE FILL CAPABILITIES

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Standard fuel tank capacity of at least 90 gallons.
- N/A Standard cooling system capacity of at least 12.9 gallons.
- N/A Standard hydraulic tank capacity of at least 16.9 gallons.
- N/A Standard engine oil capacity of at least 7.9 gallons.
- N/A Standard tandem housing capacity of at least 15.6 gallons.
- N/A Standard front wheel spindle bearing housing capacity of at least 0.1 gallons.
- N/A Standard circle drive housing capacity of at least 1.8 gallons.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

SAFETY AND ENVIRONMENTAL

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Circle drive slip clutch to reduce horizontal moldboard impact damage.
- N/A Black glare-reducing paint on the front frame and engine enclosure to decrease glare from other equipment lights and reflection from the sun and snow.
- N/A Hydraulic implement lock-out, achievable by actuating a single electrical switch within the operator station.
- N/A An external emergency kill switch for ground level engine shut down.
- N/A Secondary, electric steering pump with redundant wiring as a back-up to the primary implement hydraulic pump.
- N/A Laminated glass for the front windows and doors, to protect the operator from shattered glass.
- N/A Dual exits allowing for emergency egress should one side become obstructed.
- N/A Electrical system with master disconnect switch with a removable key and lock for added safety (in addition to ignition switch).
- N/A Steering software system to automatically reduce steering sensitivity as the ground speed increases.
- N/A Back-up lights and sounding alarm when reverse gears are selected.
- N/A Environmentally friendly drain valves for the hydraulic oil, engine oil, engine coolant, transmission, differential and fuel tank.
- N/A Cooling fan with both shroud and rear grill for protection during service.
- N/A Machine shall allow cab interior and exterior lights to remain on separate from ignition switch, for safe exit of the machine during night operation.
- N/A Engine and transmission shall be rubber isolation mounted to reduce noise and vibration.

SAFETY AND ENVIRONMENTAL – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Guard shall be available to protect the machine's transmission from debris.
- N/A Rear vision camera with integrated display and wiring.

Bid Item 1: Motor Grader **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

N/A

Bid Item 2: Pneumatic Roller

One (1) **BOMAG Model: BW11RH-5 Pneumatic Roller or Equivalent** to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Pneumatic Roller is to be complete with All Standard Equipment including ROPS/FOPS, Water Sprinkler System, Rotary Beacon, and Additional Ballast to 2,313 lbs., Cocoa Mats and Back-Up Alarm.

For full technical specifications for this bid item, see APPENDIX B.

Warranty term for this equipment (included, without additional cost) should be at least: One (1) calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade In: Jefferson County will be trading in a used and **flood-damaged** Dynapac CP142 (SN: 1000-500C0B000882) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 2: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 39-40).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 2: Pneumatic Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERRED & EXCEPTIONS LIST**, (Page 41).

Bid Item 2: Pneumatic Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Base Machine weight should not be less than 27,000 lbs
- ☐ Capable of speed: 15.5 mph or higher
- ☐ Water Tank Capacity of at least 150 gallons
- ☐ Turning Radius: 9 ft.
- ☐ ROP Height: 9.4'
- ☐ Self-lubricating bushings that are maintenance-free
- ☐ Maintenance-free braking system
- ☐ Flashing lights and blinkers for on-road safety

See Addendum

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Scraper per wheel
- ☐ Hour meter
- ☐ Warning horn
- ☐ Control panel for: engine oil pressure, engine temperature, air filter vacuum, charge control, hydraulic oil filter, coolant level, fuel tank capacity
- ☐ (2) outside mirrors
- ☐ Lockable anti-vandal dashboard protection
- ☐ Operator's platform with: one steering wheel, laterally sliding swivels
- ☐ Back-up alarm
- ☐ Hydrostatic transmission
- ☐ Tier 4 Kubota Diesel Engine
- ☐ Nine 7.50 X 15 X 14 ply tires
- ☐ Fuel gauge
- ☐ Hydrostatic, center articulated steering with +/- 10 degree frame oscillation

Bid Item 2: Pneumatic Roller

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Rear wheel oscillation: +/- 4 degrees outside & +/- 5 degrees center
- ☒ Spring-Applied, Hydraulically Released (SAHR) brakes

OPTIONAL FEATURES

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Headlights (front and rear)
- ☒ Turn signals and 4-way flashers
- ☒ Pressurized water spray system
- ☒ Radial tires w/ approx. 14 ply rating
- ☒ Steel ballast
- ☒ Heat retention shields
- ☒ Pressurized water spray system
- ☒ Special paint, 1 color (Enamel only)
- ☒ Indicator and hazard lights

Bid Item 2: Pneumatic Roller
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

Water tank capacity of at least 150 gallons.

BW11RH-5 water tank capacity is 140 gallons.



**JEFFERSON COUNTY, TEXAS
PURCHASING DEPARTMENT**

1149 Pearl Street – First Floor
Beaumont, Texas 77701
409-835-8593 phone

ADDENDUM TO IFB

IFB Number: IFB 18-013/JW

IFB Title: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

IFB Due: 11:00 am CDT, Tuesday, June 19, 2018

Addendum No.: 1

Issued (Date): June 7, 2018

TO BIDDER: This Addendum is an integral part of the IFB package under consideration by you as a Bidder in connection with the subject matter herein identified. Jefferson County deems all sealed proposals to have been proffered in recognition and consideration of the entire IFB package – **including all addenda**. For purposes of clarification, **receipt of this present Addendum by a Bidder should be evidenced by returning it (signed) as part of the Bidder's sealed proposal**. If the Proposal has already been received by the Jefferson County Purchasing Department, Bidder should return this addendum in a separate sealed envelope, clearly marked with the IFB Title, IFB Number, and Opening Date and Time, as stated above.

Reason for Issuance of this addendum: Revisions to Page 39 of Bid Specifications

The information included herein is hereby incorporated into the documents of this present Bid matter and supersedes any conflicting documents or portion thereof previously issued.

Receipt of this Addendum is hereby acknowledged by the undersigned Bidder:

ATTEST:

Rex Weff
Witness

Witness

Approved by _____ Date: _____

Dean Henderson
Authorized Signature (Bidder) Dean Henderson
Vice President

Title of Person Signing Above

R. B., Everett & Company
Typed Name of Business or Individual
P. O. Box 7300, Pasadena, Texas 77508

Address

Addendum No. 1 – Revised Page 39 of Bid Specifications

BASIC SPECIFICATIONS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ✓ Base Machine weight should not be less than ~~27,000~~ **11,075 lbs**
- ✓ **Machine should operate with a ballast weighing up to 6,000 lbs**
- ✓ Capable of speed: 15.5 mph or higher
- ~~N/A~~ Water Tank Capacity of at least 150 gallons
- ✓ Turning Radius: 9 ft.
- ✓ ROP Height: 9.4'
- ✓ Self-lubricating bushings that are maintenance-free
- ✓ Maintenance-free braking system
- ✓ Flashing lights and blinkers for on-road safety

STANDARD EQUIPMENT

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ✓ Scraper per wheel
- ✓ Hour meter
- ✓ Warning horn
- ✓ Control panel for: engine oil pressure, engine temperature, air filter vacuum, charge control, hydraulic oil filter, coolant level, fuel tank capacity
- ✓ (2) outside mirrors
- ✓ Lockable anti-vandal dashboard protection
- ✓ Operator's platform with: one steering wheel, laterally sliding swivels
- ✓ Back-up alarm
- ✓ Hydrostatic transmission
- ✓ Tier 4 Kubota Diesel Engine
- ✓ Nine 7.50 X 15 X 14 ply tires
- ✓ Fuel gauge
- ✓ Hydrostatic, center articulated steering with +/- 10 degree frame oscillation

Bid Item 3: Vibratory Tandem Roller

One (1) BOMAG Model: BW161AD-5 Vibratory Tandem Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Vibratory Tandem Roller is to be complete with All Standard Equipment including 90 degree swivel seat unit, Economizer, ROPS, Temperature Gauge, and Joint with Crabwalk.

For full technical specifications for this bid item, see APPENDIX C.

Warranty term for this equipment (included, without additional cost) should be at least: (1) one calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade-In: Jefferson County will be trading in a used and **flood-damaged** CAT CB534-C (SN: 5HN00552) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 3: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 43-44).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 45).

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Operating Weight should be at least 21,600 lbs
- ☒ Turning Radius: 192.1"
- ☒ Vibratory Frequency for Drums: 3,000/4,200 VPM
- ☒ Engine: 114 horsepower
- ☒ Top speed should be at least 7.5 mph
- ☒ No grease nipples.
- ☒ Sealed bearings.
- ☒ Economizer System
- ☒ Economode Feature
- ☐ Tango Oscillation Feature
- ☒ Visible sight lines to drum edge
- ☒ Open operator's platform
- ☒ 180 degree seat & steering, so the driver can have their front or back turned to the edge of the machine for a better view.

SEE Addendum

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ 2 amplitudes / 2 frequencies
- ☒ Kubota Tier 4i engine
- ☒ Automatic vibration operation
- ☒ Individual vibration control
- ☒ Adjustable driver's seat – 180 degrees; laterally slidable with steering wheel
- ☒ On-board indicators: engine speed, speedometer, fuel consumption, engine temperature
- ☒ Pressure sprinkling system with 2 pumps
- ☒ Low water level indicator

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Indicator and hazard lights
- ☒ Back-up alarm
- ☒ Battery disconnect switch
- ☒ Storage for documents and tools
- ☒ Emergency stop button
- ☒ ROPS/FOPS w/safety

OPTIONAL EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Economizer
- ☒ Asphalt temperature display
- ☒ Edge cutter
- ☒ Rotary beacon
- ☒ Environmentally friendly hydraulic oil

Bid Item 3: Vibratory Tandem Roller
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

NONE



**JEFFERSON COUNTY, TEXAS
PURCHASING DEPARTMENT**

1149 Pearl Street – First Floor
Beaumont, Texas 77701
409-835-8593 phone

ADDENDUM TO IFB

IFB Number: IFB 18-013/JW

IFB Title: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

IFB Due: **11:00 am CDT, Tuesday, June 19, 2018**

Addendum No.: 2

Issued (Date): June 14, 2018

TO BIDDER: This Addendum is an integral part of the IFB package under consideration by you as a Bidder in connection with the subject matter herein identified. Jefferson County deems all sealed proposals to have been proffered in recognition and consideration of the entire IFB package – **including all addenda**. For purposes of clarification, **receipt of this present Addendum by a Bidder should be evidenced by returning it (signed) as part of the Bidder's sealed proposal.** If the Proposal has already been received by the Jefferson County Purchasing Department, Bidder should return this addendum in a separate sealed envelope, clearly marked with the IFB Title, IFB Number, and Opening Date and Time, as stated above.

Reason for Issuance of this addendum: Revision to Bid Specifications for Bid Item No. 3

Revision: The Tango Oscillation Feature SHOULD NOT be included on this piece of equipment. Any reference to this feature within the bid specifications for this bid item (including Appendix C) should be disregarded. Do not include this feature in bid price.

The information included herein is hereby incorporated into the documents of this present Bid matter and supersedes any conflicting documents or portion thereof previously issued.

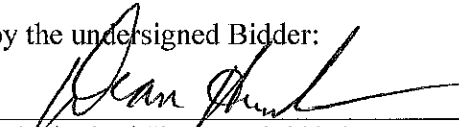
Receipt of this Addendum is hereby acknowledged by the undersigned Bidder:

ATTEST:

Witness

Witness

Approved by _____ Date: _____


Authorized Signature (Bidder) Dean Henderson

Vice President
Title of Person Signing Above

R. B. EVERETT & COMPANY
Typed Name of Business or Individual

P. O. BOX 7300, PASADENA, TEXAS 77508
Address

Addendum No. 2 – Revised Page 43 of Bid Specifications

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ✓ Operating Weight should be at least 21,600 lbs
- ✓ Turning Radius: 192.1"
- ✓ Vibratory Frequency for Drums: 3,000/4,200 VPM
- ✓ Engine: 114 horsepower
- ✓ Top speed should be at least 7.5 mph
- ✓ No grease nipples.
- ✓ Sealed bearings.
- ✓ Economizer System
- ✓ Economode Feature

~~Tango Oscillation Feature~~

- ✓ Visible sight lines to drum edge
- ✓ Open operator's platform
- ✓ 180 degree seat & steering, so the driver can have their front or back turned to the edge of the machine for a better view.

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ✓ 2 amplitudes / 2 frequencies
- ✓ Kubota Tier 4i engine
- ✓ Automatic vibration operation
- ✓ Individual vibration control
- ✓ Adjustable driver's seat – 180 degrees; laterally slidable with steering wheel
- ✓ On-board indicators: engine speed, speedometer, fuel consumption, engine temperature
- ✓ Pressure sprinkling system with 2 pumps
- ✓ Low water level indicator

Bid Item 4: Single Drum Padfoot Roller

One (1) BOMAG Model: BW211PD-5 84" Single Drum Padfoot Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Single Drum Padfoot Roller is to be complete with All Standard Equipment including Magnetic Flashing Beacon.

For full technical specifications for this bid item, see APPENDIX D.

Warranty term for this equipment (included, without additional cost) should be at least: One (1) calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade-In: Jefferson County will be trading in a used and **flood-damaged** BOMAG BW213DH-40 (SN: 901582561088) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 4: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 47-48).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 49).

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Operating weight should be at least 28,109 lbs
- N/A Transmission: (4) Gears
- N/A Motor: 2-wheel drive
- N/A Vibration Settings: (4)
- N/A Idle Speed Controller
- N/A No grease nipples

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A ECOMODE
(adjusts the engine speed to respective power requirements to save 30% less fuel consumption)
- N/A Warning, information and operation displays with LCD
- N/A Loading mode
- N/A Noise insulation
- N/A Hydrostatic travel and vibration drive
- N/A Hydrostatic articulated steering
- N/A Articulated joint lock
- N/A Rear axle with twin spring accumulator brakes
- N/A No-spin differential lock
- N/A Warning horn
- N/A Single lever control for travel and vibration
- N/A Seat with arm rest and adjustable for position and height
- N/A (2) Scrapers
- N/A Emergency STOP

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A Back-up alarm
- N/A Working lights front/rear
- N/A Sliding window
- N/A Battery disconnect switch

OPTIONAL EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A ROPS/FOPS with safety belt
- N/A BOMAG ECOSTOP Feature (shuts down the engine automatically depending on temperatures, charging condition, etc.)
- N/A Indicator and hazard lights
- N/A Rotary beacon
- N/A Environmentally compliant hydraulic oil
- N/A Measuring-and-machine data interface for third-party suppliers

Bid Item 4: Single Drum Padfoot Roller
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

NONE

Bid Item 5: Utility Tractor

One (1) John Deere 5065E Utility Tractor OOS 4WD or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

For full technical specifications for this bid item, see APPENDIX E.

Warranty term for this equipment: Warranty term for this equipment (included without additional cost) should be at least: (2) two calendar years/or 2,000 hours from the date of delivery of equipment or whichever comes first, with the warranty to cover powertrain and components as described below in Paragraphs A & B.

A. WHAT IS WARRANTED – Subject to Paragraph B, all parts of any new Equipment are to be warranted for the time period or number of operating hours as specified. Included In 5E Series Tractor and Compact Utility Tractor Powertrain Warranty- Engine: cylinder block, cylinder head, valve covers, oil pan, emissions control components, timing gear covers, flywheel housing, and all parts contained therein. Powertrain: transmission, transmission case, differential and axle housings, clutch housings, MFWD front axle assembly, and all parts contained therein (does not include external drivelines, dry clutch parts, or steering cylinders). SWEEPS, SHOVELS, PLOWSHARES, AND DISK BLADES: A replacement part will be furnished without charge if breakage occurs and the amount of wear is less than the wear limits established by the Manufacturer.

B. ITEMS COVERED SEPARATELY- (1) Tires, rubber tracks and batteries; When applicable, a separate emissions warranty statement will be provided by Selling Dealer.

Trade-In: Jefferson County will be trading in a used and **flood-damaged** Ford 5000 Tractor towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 5: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Page 51).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 5: Utility Tractor TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

- ▶ Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.
- ▶ If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write “N/A” in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 52).

Bid Item 5: Utility Tractor TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- N/A 12F/12R PowrReverser Transmission – 540/540E (PR)
- N/A 540 economy PTO
- N/A Less Loader Prep Package
- N/A Open Operator Station
- N/A Duel Mid Valves with Joystick Control
- N/A 16.9 – 28 in. 6PR R1 Bias
- N/A Mechanical Front Wheel Drive (MFWD)
- N/A 9.5 – 24 in. 6PR R1 Bias
- N/A Engine: John Deere PowerTech 3029
- N/A Engine – Aspiration: Turbocharged
- N/A Engine – Cylinders liners: Wet sleeved
- N/A Engine – Displacement: 3 cylinders: 2.9 L, 179 cu. in.
- N/A Engine Performance – Rated Power: At 2100 rpm: 49.9 kW, 67 hp
- N/A Engine Performance – Rated PTO power (hp SAE): At 2100 rpm: 36.5 kw, 49 PTO hp
- N/A Final Tier 4-compliant PowerTech engine; provides improved visibility – a smaller, more efficient after-treatment device provides more space under the hood.
- N/A Diesel oxidation catalyst (DOC/diesel particulate filter (DPF) system.
- N/A Exhaust filter cleaning switch
- N/A Hand throttle: located on the right-hand console

Bid Item 5: Utility Tractor
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

NONE

Bidder Information Form

Instructions: Complete the form below. Please provide legible, accurate, and complete contact information. PLEASE PRINT.

Bid Name & Number: (IFB 18-013/JW),
Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

Bidder's Company/Business Name: R. B. EVERETT & COMPANY

Bidder's TAX ID Number: 74-0615140

Contact Person: Dean Henderson **Title:** Vice President

Phone Number (with area code): 281-991-8161

Alternate Phone Number if available (with area code):

Fax Number (with area code): 281-991-5967

Email Address: dhenderson@rbeverett.com

Mailing Address (Please provide a physical address for bid bond return, if applicable):

P. O. BOX 7300
Address
PASADENA, TEXAS 77508
City, State, Zip Code

OFFER AND ACCEPTANCE FORM OFFER TO CONTRACT

Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

To Jefferson County:

We hereby offer and agree to furnish the materials or service in compliance with all terms, conditions, specifications, and amendments in the Invitation for Bid and any written exceptions in the offer. We understand that the items in this Invitation for Bid, including, but not limited to, all required certificates are fully incorporated herein as a material and necessary part of the contract.

The undersigned hereby states, under penalty of perjury, that all information provided is true, accurate, and complete, and states that he/she has the authority to submit this bid, which will result in a binding contract if accepted by Jefferson County.

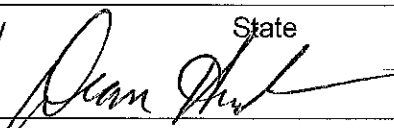
We acknowledge receipt of the following amendment(s): 1, 2, , ,.

I certify, under penalty of perjury, that I have the legal authorization to bind the firm hereunder:

R. B. EVERETT & COMPANY
Company Name

P. O. BOX 7300
Address

PASADENA TX 77508
City State Zip


Signature of Person Authorized to Sign

Dean Henderson
Printed Name

Vice President
Title

For clarification of this offer, contact:

Dean Henderson
Name

281-991-8161 281-991-5967
Phone Fax

dhenderson@rbeverett.com
E-mail

Bidder Shall Return Completed Form with Offer.

Acceptance of Offer

HEAVY EQUIPMENT FOR JEFFERSON COUNTY PRECINCT NO. 3 (TO REPLACE UNREPAIRABLE EQUIPMENT DAMAGED BY HURRICANE HARVEY)

The Contractor is now bound to sell the materials or services listed by the attached contract and based upon the Invitation for Bid, including all terms, conditions, specifications, amendments, etc., and the Contractor's Offer as accepted by Jefferson County.

This contract shall henceforth be referred to as Contract No. 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey). The Contractor has not been authorized to commence any billable work or to provide any material or service under this contract until Contractor receives a purchase order and/or a notice to proceed from the Jefferson County Purchasing Agent.

Countersigned:

Jeff R. Branick
County Judge

Date

Attest:

Carolyn L. Guidry
County Clerk

Bidder Shall Return Completed Form with Offer.

Bid Form

Bid Item 1 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX A**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but **MUST** attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, **MUST** attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 1: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 22-36).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical specifications checklist form for **EACH ITEM BID**. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
1	Mustang CAT Model 120M2 Motor Grader or Equivalent	\$ <u>N/A</u> . ____
		Trade-In Value
Trade-In Value for used & flood-damaged: 1998 Champion Motor Grader Model 710 A		\$ _____ . ____
Total Bid Price (Minus Trade-In Value) \$ <u>N/A</u> . ____		
Projected Delivery Lead Time from Date of Purchase:		_____ weeks
Equivalent Item Description (Make & Model) for Item No. 1: _____		

Bid Form

Bid Item 2 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX B**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but **MUST** attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, **MUST** attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 2: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 39-40).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

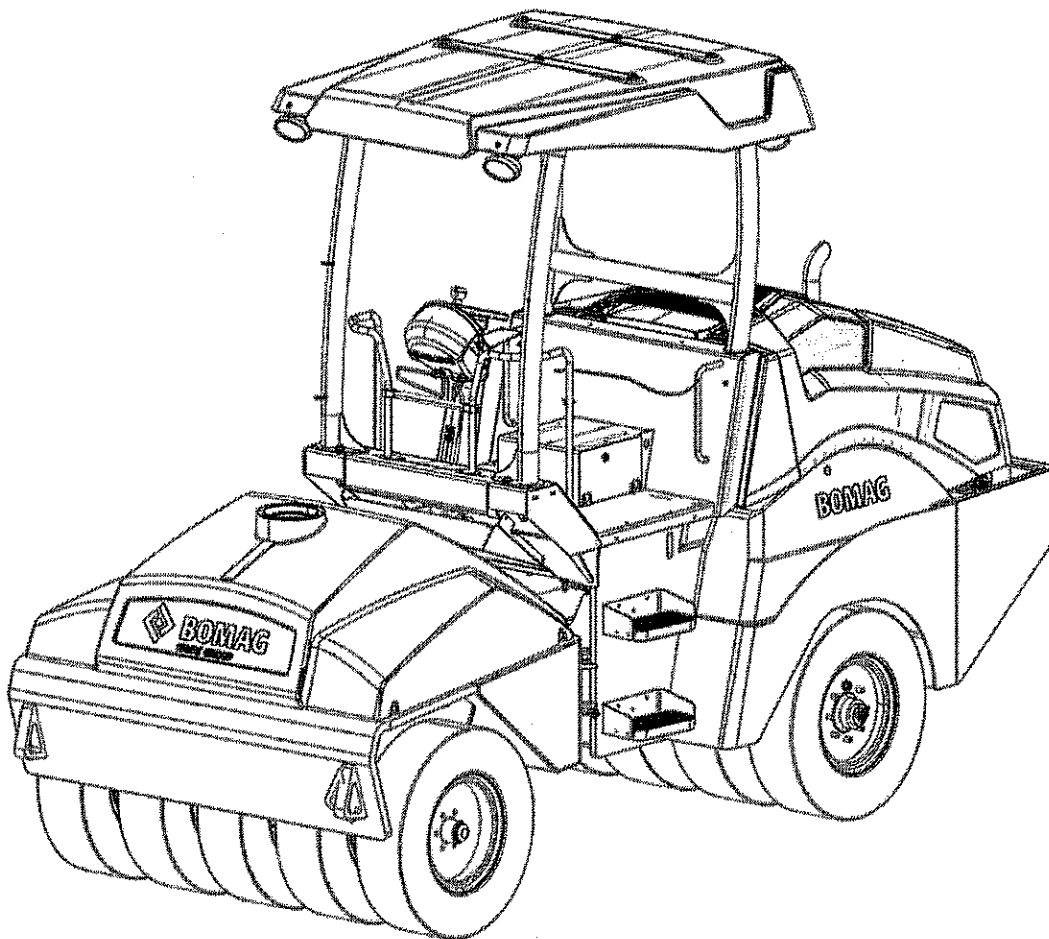
Item No.	Item Description	Bid Price
2	BOMAG Model BW11RH-5 Pneumatic Roller or Equivalent	\$ 83,368 . 00
		Trade-In Value
Trade-In Value for used & flood-damaged: Dynapac CP142 (SN: 1000-500C0B000882)		\$ 5,250 . 00
Total Bid Price (Minus Trade-In Value) \$ 78,118 . 00		
Projected Delivery Lead Time from Date of Purchase:		1 weeks
Equivalent Item Description (Make & Model) for Item No. 2: _____		



BOMAG

FAYAT GROUP

BW11RH-5



SPECIFICATIONS

PNEUMATIC TIRE ROLLER

SPECIFICATIONS FOR PNEUMATIC TIRE ROLLER

The roller purchased under these specifications shall be a new, current production model designed and built for compaction of flexible pavements and road base materials. These specifications are minimum requirements and are intended to govern the size and type of unit purchased. Any exceptions or variations from these specifications must be stated. Failure to completely describe the equipment bid herein may result in rejection of the entire bid. The right is reserved to evaluate variations from these specifications and to award the bid for the roller which best fits the needs for the overall application parameters.

GENERAL

Unit shall be a self-propelled, center-articulated, nine wheel pneumatic roller with water spray system for use in compaction of flexible pavements. Machine must also be capable of compacting road base materials, shoulders, and similar applications.

WEIGHT

Operating weight of roller, including lubricants, coolants, fuel, Roll-Over/Falling-Objects Protective Structure (ROPS/FOPS) and operator shall be 12,000 pounds. Operating weight of roller, when fully ballasted, must be approximately 24,000 pounds; and must be approximately 20,000 pounds when equipped with an optional cab. Weight with partial or full ballast, shall provide equal wheel loads for each tire.

Operating Weight 12,231 lbs
Operating Weight (fully ballasted) 19,170 lbs

FRAME

Rugged, high-strength steel front and rear frames constructed of plate, welded into unitized structures

Yes ☒ No ☐

Heavy-duty hitch to join front and rear frames, with $\pm 35^\circ$ steering and $\pm 10^\circ$ oscillation

Yes ☒ No ☐

Self-lubricating hitch bushings shall require no grease lubrication

Yes ☒ No ☐

Diesel engine and drive components to be positioned low, inside the rear frame, keeping a low center of gravity for operating stability

Yes ☒ No ☐

ENGINE

Liquid cooled Diesel engine with minimum SAE performance rating of 74 hp

Yes ☒ No ☐

Meets Tier 4 final EPA emission regulations

Yes ☒ No ☐

Minimum 50 gallon fuel tank capacity

Yes ☒ No ☐

Heavy duty dry type air filter

Yes ☒ No ☐

Minimum 90 ampere alternator

Yes ☒ No ☐

Heavy-duty 12 volt battery with minimum 680 CCA ampere-hour rating

Yes ☒ No ☐

DRIVE

Drive system shall be fully hydrostatic transmission. No chains, gear boxes or mechanical reduction systems. Rear tire pairs shall be directly driven by two low-speed, high-torque radial piston motors

Yes ✓ No

Hydrostatic transmission shall be safe-guarded by a 7 micron oil filter with console mounted contamination indicator light

Yes ✓ No

Three speed ranges, infinitely variable, for compaction and transport speeds to a minimum of 12.5 mph

Yes ✓ No

BRAKES

Service braking shall be hydrodynamic through hydrostatic transmission, must meet ISO 3450 requirements

Yes ✓ No

Secondary/parking brakes shall be Spring-Applied, Hydraulic-Released (SAHR) multi-disc brakes incorporated with both drive motors

Yes ✓ No

TIRES

Nine pneumatic tires shall be provided; standard tire shall be 7.50 x 15 size, 14 ply equivalent, smooth compactor type

Yes ✓ No

Four rear tires shall be rigid and not oscillate

Yes ✓ No

Five front tires shall be mounted as two oscillating, outside tandems with spring-loaded, oscillating center tire. Outer front tires shall be set out from the frame for visibility

Yes ✓ No

Tire overlap between adjacent front and rear tires of one-half inch shall be provided in all steering conditions

Yes ✓ No

STEERING

Steering system shall be hydraulic

Yes ✓ No

Steering wheel shall be centrally installed

Yes ✓ No

Steering angle to be minimum $\pm 35^\circ$

Yes ✓ No

Inside turning radius to be approximately 10'

Yes ✓ No

WATER SPRAY SYSTEM

Pressurized water spray system shall be available standard or optionally

Yes ✓ No

Minimum 140 gallon polyethylene water tank with large diameter fill port, fitted with strainer

Yes ✓ No

Rugged spray bars with removable spray nozzles for each tire; retractable cocoa mats

Yes ✓ No

In-line electric solenoid valve to prevent tank drainage when system is not in use

Yes ☒ No ☐

OPERATOR'S PLATFORM

Ergonomically-engineered operator's platform with adjustable, front-facing, cushioned seat; the seat shall swivel 40° CW sideways

Yes ☒ No ☐

Single F-N-R travel lever controls forward/reverse travel; the travel lever shall activate a fuel saver mode in brake position; engine (throttle) speed shall be controlled electrically; neutral start safety required to prevent engine starting unless secondary brake is applied

Yes ☒ No ☐

3-pos travel speed range selector switch to be provided

Yes ☒ No ☐

Lockable cover to protect instrument console; lockable, hinged engine cover with gas lift shock to protect hydraulic filter, tank fill, pump, radiator and fuel cap

Yes ☒ No ☐

Instrument and controls to include:

A. Hour meter

Yes ☒ No ☐

B. Acoustic horn button

Yes ☒ No ☐

C. Ignition switch

Yes ☒ No ☐

D. Water spray system pump switch with separate water spray flow control valve

Yes ☒ No ☐

E. Fuel level gauge

Yes ☒ No ☐

F. Indicators for secondary/parking brake engagement, hydraulic filter condition, engine inlet air restriction, engine overheating, coolant level warning; low engine oil pressure, engine charge control, and hydraulic oil filter restriction

Yes ☒ No ☐

MISCELLANEOUS

Manufacturer to offer ROPS/FOPS, which also functions as a sun canopy, and seat belts that meet or exceed current safety standards

Yes ☒ No ☐

Headlights shall be offered as standard

Yes ☒ No ☐

Distributor shall guarantee local availability of service and parts for the roller

Yes ☒ No ☐

OPTIONS

Heat Retention Shields shall be offered optionally.

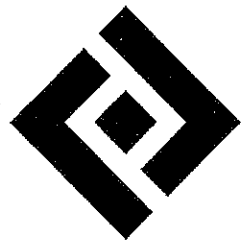
Yes ☐ No ☐

Turn signals and 4 way flashers shall be offered optionally

Yes ☒ No ☐

A cab with integrated ROPS/FOPS with heating or heating & AC shall be offered optionally

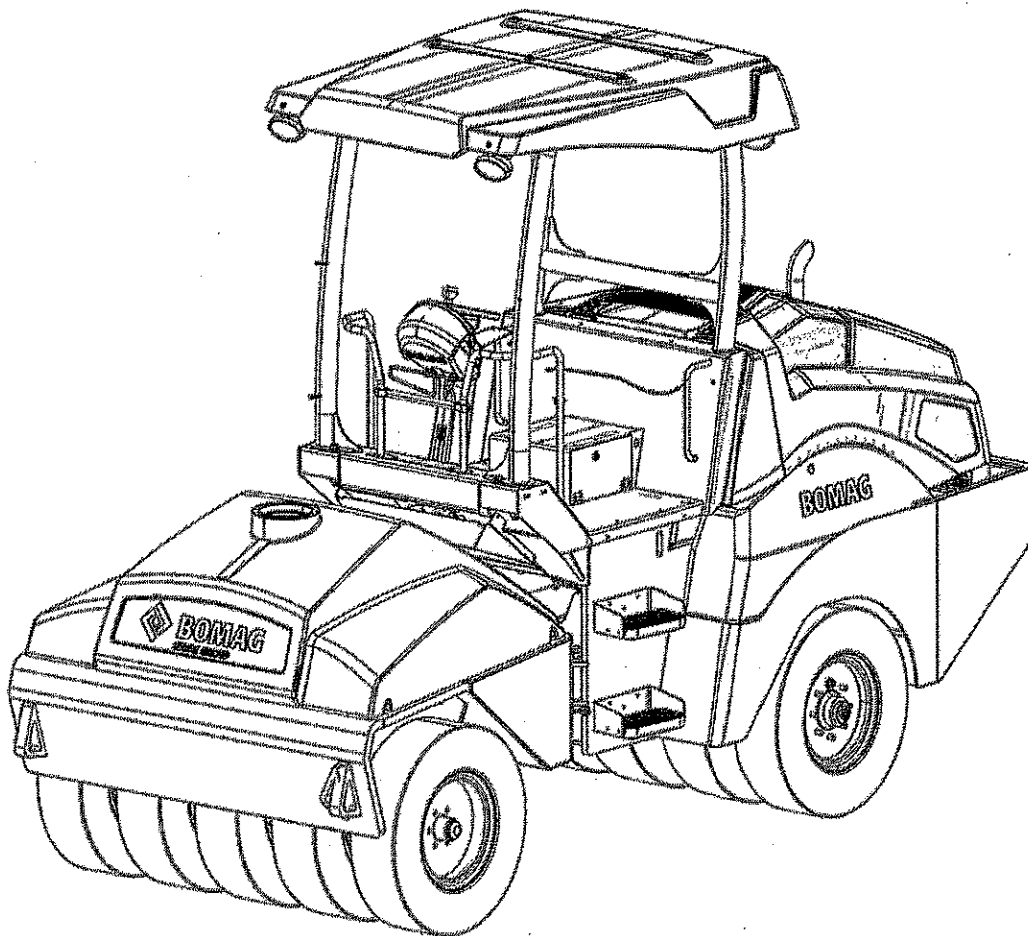
Yes ☐ No ☐



BOMAG

FAYAT GROUP

BW11RH-5



SPECIFICATIONS

PNEUMATIC TIRE ROLLER

SPECIFICATIONS FOR PNEUMATIC TIRE ROLLER

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WEIGHT

Operating weight of roller, including lubricants, coolants, fuel, Roll-Over/Falling-Objects Protective Structure (ROPS/FOPS) and operator shall be 12,000 pounds. Operating weight of roller, when fully ballasted, must be approximately 24,000 pounds; and must be approximately 20,000 pounds when equipped with an optional cab. Weight with partial or full ballast, shall provide equal wheel loads for each tire.

Operating Weight 12,231 lbs
Operating Weight (fully ballasted) 19,170 lbs

FRAME

Rugged, high-strength steel front and rear frames constructed of plate, welded into unitized structures

Yes ☒ No ☐

Heavy-duty hitch to join front and rear frames, with $\pm 35^\circ$ steering and $\pm 10^\circ$ oscillation

Yes ☒ No ☐

Self-lubricating hitch bushings shall require no grease lubrication

Yes ☒ No ☐

Diesel engine and drive components to be positioned low, inside the rear frame, keeping a low center of gravity for operating stability

Yes ☒ No ☐

ENGINE

Liquid cooled Diesel engine with minimum SAE performance rating of 74 hp

Yes ☒ No ☐

Meets Tier 4 final EPA emission regulations

Yes ☒ No ☐

Minimum 50 gallon fuel tank capacity

Yes ☒ No ☐

Heavy duty dry type air filter

Yes ☒ No ☐

Minimum 90 ampere alternator

Yes ☒ No ☐

Heavy-duty 12 volt battery with minimum 680 CCA ampere-hour rating

Yes ☒ No ☐

DRIVE

Drive system shall be fully hydrostatic transmission. No chains, gear boxes or mechanical reduction systems. Rear tire pairs shall be directly driven by two low-speed, high-torque radial piston motors

Yes ✓ No

Hydrostatic transmission shall be safe-guarded by a 7 micron oil filter with console mounted contamination indicator light

Yes ✓ No

Three speed ranges, infinitely variable, for compaction and transport speeds to a minimum of 12.5 mph

Yes ✓ No

BRAKES

Service braking shall be hydrodynamic through hydrostatic transmission, must meet ISO 3450 requirements

Yes ✓ No

Secondary/parking brakes shall be Spring-Applied, Hydraulic-Released (SAHR) multi-disc brakes incorporated with both drive motors

Yes ✓ No

TIRES

Nine pneumatic tires shall be provided; standard tire shall be 7.50 x 15 size, 14 ply equivalent, smooth compactor type

Yes ✓ No

Four rear tires shall be rigid and not oscillate

Yes ✓ No

Five front tires shall be mounted as two oscillating, outside tandems with spring-loaded, oscillating center tire. Outer front tires shall be set out from the frame for visibility

Yes ✓ No

Tire overlap between adjacent front and rear tires of one-half inch shall be provided in all steering conditions

Yes ✓ No

STEERING

Steering system shall be hydraulic

Yes ✓ No

Steering wheel shall be centrally installed

Yes ✓ No

Steering angle to be minimum $\pm 35^\circ$

Yes ✓ No

Inside turning radius to be approximately 10'

Yes ✓ No

WATER SPRAY SYSTEM

Pressurized water spray system shall be available standard or optionally

Yes ✓ No

Minimum 140 gallon polyethylene water tank with large diameter fill port, fitted with strainer

Yes ✓ No

Rugged spray bars with removable spray nozzles for each tire; retractable cocoa mats

Yes ✓ No

In-line electric solenoid valve to prevent tank drainage when system is not in use

Yes ☒ No ☐

OPERATOR'S PLATFORM

Ergonomically-engineered operator's platform with adjustable, front-facing, cushioned seat; the seat shall swivel 40° CW sideways

Yes ☒ No ☐

Single F-N-R travel lever controls forward/reverse travel; the travel lever shall activate a fuel saver mode in brake position; engine (throttle) speed shall be controlled electrically; neutral start safety required to prevent engine starting unless secondary brake is applied

Yes ☒ No ☐

3-pos travel speed range selector switch to be provided

Yes ☒ No ☐

Lockable cover to protect instrument console; lockable, hinged engine cover with gas lift shock to protect hydraulic filter, tank fill, pump, radiator and fuel cap

Yes ☒ No ☐

Instrument and controls to include:

A. Hour meter

Yes ☒ No ☐

B. Acoustic horn button

Yes ☒ No ☐

C. Ignition switch

Yes ☒ No ☐

D. Water spray system pump switch with separate water spray flow control valve

Yes ☒ No ☐

E. Fuel level gauge

Yes ☒ No ☐

F. Indicators for secondary/parking brake engagement, hydraulic filter condition, engine inlet air restriction, engine overheating, coolant level warning, low engine oil pressure, engine charge control, and hydraulic oil filter restriction

Yes ☒ No ☐

MISCELLANEOUS

Manufacturer to offer ROPS/FOPS, which also functions as a sun canopy, and seat belts that meet or exceed current safety standards

Yes ☒ No ☐

Headlights shall be offered as standard

Yes ☒ No ☐

Distributor shall guarantee local availability of service and parts for the roller

Yes ☒ No ☐

OPTIONS

Heat Retention Shields shall be offered optionally.

Yes ☐ No ☐

Turn signals and 4 way flashers shall be offered optionally

Yes ☒ No ☐

A cab with integrated ROPS/FOPS with heating or heating & AC shall be offered optionally

Yes ☐ No ☐

BOMAG EXTENDED SERVICE PROTECTION PLAN	
MASTER PARTS SCHEDULE	
ROLLER	
NEW & USED EQUIPMENT	
<p><i>This plan provides protection for the components listed below, when a failure occurs due to a defect in material or workmanship, and may provide coverage for additional components not listed when the damage is caused by or resulting from a covered failure of a listed component.</i></p>	
POWERTRAIN COMPONENTS COVERED	
ENGINE and all internal lubricated components within Accessory Gears Camshaft Camshaft Bearings Camshaft Drive Gear Connecting Rods & Bearings Crankshaft Bearings & Gear Crankshaft Including Front And Rear Crankshaft Seals Cylinder Heads/ Head Gaskets Cylinder Liners Engine Block Engine Oil Cooler Engine Speed Controls, Linkages, and Cables Flywheel, Ring Gear Front And Rear Engine Covers And Seals Front Damper Oil Pan And Gasket Oil Pump Pistons & Rings Pressure/Temperature Sensors & Sending Units Rocker Arm Assembly Thermostats Timing Gears Valve Cover And Gasket Water Pumps Engine Components Covered after Emission Warranty Charge Air Cooler Crankcase ventilation EGR System Manifold Electronic Engine Control Module Emissions after-treatment Exhaust brake, exhaust pressure governor Injection Pump Injectors Intake and Exhaust Manifold And Gaskets Turbocharger And Gasket	TRANSMISSIONS/AXLES/HYDROSTATICS Axle Housing Axle Shaft Clutch Discs (Wet Only) Clutch Plates (Wet Only) Counter Shaft Clutch Differential Housing Differential Pinion Gear / Ring Gear Drive Axle Hub Drive Shaft Support Bearing Drive Shaft with Universal Joints Drum Seals Eccentric Mechanism & Bearings Electronic Transmission Controller and Valve Flex Plate Final Drive Pinion Final Drive Planetary Gears Hydraulic Transmission-Control Valve Hydrostatic Motor Hydrostatic Transmission Charge Pump Hydrostatic Transmission Pump Hydrostatic/Hydraulic Pump Drives Internal Lubricated Clutch Housings Internal Transmission Control Linkage Internal Wet Service Brakes Planetary Gear Carrier Propulsion System Hydraulic Components Pump Drive Reduction Unit Splitter Box Torque Converter Torque Converter Pump Torque Hubs Transfer Drive Transmission Case Transmission Gears, Bearings, & Shafts Transmission Pump Travel Control Valve Vibration System Hydraulic Components ... and all internally lubricated parts within the above systems
<p><i>This plan excludes coverage for any failure to any component caused by or resulting from the failure of a component not listed as a covered component, including any resulting damage to a listed component. See the Terms and Conditions document for complete plan details.</i></p>	
POWERTRAIN EXPANDED COMPONENTS COVERED	
All components covered under Powertrain, plus:	
HYDRAULIC Differential Lock Valve Fan Pumps And Motors Hydraulic Cylinders Hydraulic Hoses and Piping Hydraulic Motors Hydraulic Oil Coolers Hydraulic Pumps Hydraulic Reservoir Hydraulic Valves Pilot Control Pressure Reducing Valves Priority Valves Rotary Hydraulic Manifolds Steering Cylinder Rod and Packing	Steering Pump Steering Valve Unloading Valves Vibratory Pump ELECTRICAL Automatic monitoring for multiple functions Circuit Board Control Panel Display Unit / Gauges / Instruments Electric Emergency Stop Electronic Control Valve Electronic Vibration Frequency Control Instrument ECU Vehicle ECU
<p><i>This plan excludes coverage for any failure to any component caused by or resulting from the failure of a component not listed as a covered component, including any resulting damage to a listed component. See the Terms and Conditions document for complete plan details.</i></p>	

This literature is descriptive only. The precise protection afforded is subject to the terms, conditions and exclusions of the plan as issued.

Bid Form

Bid Item 3 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX C**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

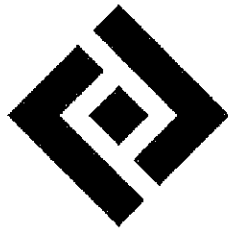
Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 3: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 43-44).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
3	BOMAG Model BW161AD-5 Vibratory Tandem Roller or Equivalent	\$ <u>119,798</u> . <u>00</u>
		Trade-In Value
Trade-In Value for used & flood-damaged: CAT CB534-C (SN: 5HN00552)		\$ <u>1,250</u> . <u>00</u>
Total Bid Price (Minus Trade-In Value) \$ <u>118,548</u> . <u>00</u>		
Projected Delivery Lead Time from Date of Purchase:		<u>1</u> weeks
Equivalent Item Description (Make & Model) for Item No. 3: _____		



BOMAG

FAYAT GROUP

BW 161 AD-5

TANDEM VIBRATORY ROLLER



BID SPECIFICATIONS

SPECIFICATIONS FOR DOUBLE DRUM VIBRATORY ROLLER

The compactor purchased under these specifications shall be a new, current production model designed and built for compaction of flexible pavements and road base materials. These specifications are minimum requirements and are intended to govern the size and type of unit purchased. Any exceptions or variations from these basic specifications must be stated. Failure to completely describe the equipment bid herein may result in rejection of the entire bid. The right is reserved to evaluate variations from these specifications and to award the contract for the compactor, which best fits, the needs for the overall application parameters.

GENERAL

Unit shall be a self-propelled double drum design with water spray system for use in compaction of flexible pavements. Machine must also be capable of compacting flexible pavements in deep lifts as well as thin overlays, road base materials, shoulders, and similar applications.

OPERATING WEIGHT

Operating weight, including lubricants, fuel, one-half full water tanks, Roll-Over Protective Structure (ROPS) and operator shall be a minimum of 21,600 pounds.

Operating Weight _____ lbs

AXLE LOADS

Axle loads front to rear should be equal within 2%

Yes ☒ No _____

ENGINE

Water-cooled Diesel engine with minimum of 114 hp at governed Speed of 2600 rpm per SAE J 1349

Yes ☒ No _____

Minimum 38 gallon fuel tank capacity.

Yes ☒ No _____

Heavy-duty dry air filter with restriction indicator provision.

Yes ☒ No _____

DRUMS

Minimum 66" rolling width and 48" diameter drums.

Yes ☒ No _____

Minimum 0.67" drum shell thickness ensuring strength and long wear life.

Yes ☒ No _____

Lift-off style spring loaded scraper bars to be located at both front and rear of both drums, maintaining a cleaning action for both forward and reverse travel directions.

Yes ☒ No _____

Drums to be suspended within roller frame by a minimum of 12 shock absorbing rubber isolators per drum.

Yes ☒ No _____

Average static linear load on each drum to be a minimum of 163 PLI

Static Load _____ PLI

VIBRATION SYSTEM

Hydrostatic direct eccentric drive to both drums minimizing maintenance costs.

Yes ☒ No ☐

Dual frequency settings providing a minimum of 3000 vpm's and 4000 vpm's respectively.

Yes ☒ No ☐

Dual drum amplitude values of 0.016" and 0.032" for operating on both thinner lifts and thicker lifts of materials.

Yes ☒ No ☐

Dual centrifugal force values providing a minimum of 25,628 pounds and 27,427 pounds force at the respective frequencies.

Yes ☒ No ☐

Vibration control to be either automatic tied to rolling speed or manual through use of a push button switch in the travel lever(s).

Yes ☒ No ☐

Independent vibration control on either drum offering optimum versatility on thin lifts mixes and joint rolling.

Yes ☒ No ☐

Vibratory bearings to be sealed, oil-bath lubricated.

Yes ☒ No ☐

WATER SPRAY SYSTEM

Water tank to be made of a corrosion proof material.

Yes ☒ No ☐

Pressurized water spray system with adjustable spray interval timer and on/off switch.

Yes ☒ No ☐

Non-corrosive spray bars with hand removable, quick disconnect spray nozzles.

Yes ☒ No ☐

Separate back-up water spray pump, switch actuated from operator's console.

Yes ☒ No ☐

Minimum 198-gallon water tank.

Yes ☒ No ☐

Water spray system to protected by dual onboard filters.

Yes ☒ No ☐

DRIVE

Fully hydrostatic, 2-speed travel drive system.

Yes ☒ No ☐

Hydraulic system to be safeguarded by a oil filtration system with contamination indicator.

Yes ☒ No ☐

Spring-Applied, Hydraulically-Released (SAHR) braking system.

Yes ☒ No ☐

Infinitely variable, 12-speed travel system, offering compaction or transport speeds to 7.5 mph.

Yes ☒ No ☐

Machine shall have hydraulic test ports for steering/travel/vibration circuits. Yes ☒ No ☐

FRAME

Modular (bolt-on) center joint design to facilitate easy servicing. Yes ☒ No ☐

Minimum ± 35 degrees of center articulation. Yes ☒ No ☐

Minimum ± 6 degrees of center joint oscillation. Yes ☒ No ☐

Center joint shall be maintenance free. Yes ☒ No ☐

Center joint shall be capable of frame off-set optionally (crab steer) of 6.7" either side of center position. Yes ☒ No ☐

Optional crab steer will be hydraulically actuated and controlled via the operators platform. Yes ☒ No ☐

Access to engine, hydraulic pumps, air filter, cooling system, battery, engine and hydraulic filters and engine oil fill to be achieved by wide, swing open hood. Yes ☒ No ☐

Drum Support legs to be of an angled design forward and rearward of Vertical to provide enhanced visibility to the drum contact point. Yes ☒ No ☐

Main Wire harnesses to include hot stamped addresses of the termination points for quick identification. Yes ☒ No ☐

OPERATOR'S PLATFORM

Vibration isolated operator's platform with adjustable sliding and swiveling cushioned seat. Yes ☒ No ☐

Machine shall have seated mounted dual travel levers. Yes ☒ No ☐

Travel drive lever to incorporate forward/neutral/reverse travel selection and vibration stop/start, with neutral start safety. Yes ☒ No ☐

Engine throttle switch to control governed engine speed. Yes ☒ No ☐

Instrument and controls to include:

A. Hour meter; travel speed, IPF (impacts per foot) Yes ☒ No ☐

B. Display asphalt temperature (optional), Economizer (optional) Yes ☒ No ☐

C. Acoustic horn. Yes ☒ No ☐

D. Parking brake switch; emergency stop control. Yes ☒ No ☐

E. Ignition switch. Yes ☒ No ☐

F. Water pump selection switch; spray interval timer; low water tank level indicator lamp. Yes ☒ No ☐

- G. Indicators for low alternator charge, high engine operating, temperature and low engine oil pressure, water in fuel, air filter warning, DPF regeneration control, exhaust gas temperature, engine pre-heat Yes ☒ No ☐
- H. Switch controls for high/low drum amplitude, vibrating drum selector, automatic/manual vibration control. Yes ☒ No ☐
- I. Fuel tank level gauge. Yes ☒ No ☐
- J. Indicators for high hydraulic oil temperature, hydraulic oil filter, driver's seat switch and parking brake Yes ☒ No ☐

MANUAL STORAGE

Machine shall have water tight storage for Operation Manual.

Yes ☒ No ☐

MACHINE LIGHTING

Machine shall have front and rear work lights, and indicator/hazard lights.

Yes ☒ No ☐

BRAKES

Dynamic braking provided through hydrostatic system.

Yes ☒ No ☐

Spring-Applied, Hydraulically-Released multiple wet disc brakes on both drums.

Yes ☒ No ☐

CLEARANCES

Minimum 26" all around curb clearance.

Yes ☒ No ☐

Minimum 9,8" ground clearance

Yes ☒ No ☐

Center mounted articulation joint ensures perfect tracking of front and rear drums.

Yes ☒ No ☐

Inside turning to be approximately 16' 1".

Yes ☒ No ☐

Maximum overhang of roller frames over drums to be no greater than 3.1" on either side for rolling adjacent to walls or other obstructions.

Yes ☒ No ☐

MISCELLANEOUS

Manufacturer to supply as standard equipment, ROPS/FOPS structure including seat belts that meet or exceed current safety standards.

Yes ☒ No ☐

Distributor shall guarantee local availability of service and parts for the roller.

Yes ☒ No ☐



BOMAG

FAYAT GROUP

BW 161 AD-5

TANDEM VIBRATORY ROLLER



BID SPECIFICATIONS

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OPERATING WEIGHT

Operating weight, including lubricants, fuel, one-half full water tanks, Roll-Over Protective Structure (ROPS) and operator shall be a minimum of 21,600 pounds.

Operating Weight _____ lbs

AXLE LOADS

Axle loads front to rear should be equal within 2%

Yes ☒ No ☐

ENGINE

Water-cooled Diesel engine with minimum of 114 hp at governed Speed of 2600 rpm per SAE J 1349

Yes ☒ No ☐

Minimum 38 gallon fuel tank capacity.

Yes ☒ No ☐

Heavy-duty dry air filter with restriction indicator provision.

Yes ☒ No ☐

DRUMS

Minimum 66" rolling width and 48" diameter drums.

Yes ☒ No ☐

Minimum 0.67" drum shell thickness ensuring strength and long wear life.

Yes ☒ No ☐

Lift-off style spring loaded scraper bars to be located at both front and rear of both drums, maintaining a cleaning action for both forward and reverse travel directions.

Yes ☒ No ☐

Drums to be suspended within roller frame by a minimum of 12 shock absorbing rubber isolators per drum.

Yes ☒ No ☐

Average static linear load on each drum to be a minimum of 163 PLI

Static Load _____ PLI

VIBRATION SYSTEM

Hydrostatic direct eccentric drive to both drums minimizing maintenance costs.

Yes ☒ No ☐

Dual frequency settings providing a minimum of 3000 vpm's and 4000 vpm's respectively.

Yes ☒ No ☐

Dual drum amplitude values of 0.016" and 0.032" for operating on both thinner lifts and thicker lifts of materials.

Yes ☒ No ☐

Dual centrifugal force values providing a minimum of 25,628 pounds and 27,427 pounds force at the respective frequencies.

Yes ☒ No ☐

Vibration control to be either automatic tied to rolling speed or manual through use of a push button switch in the travel lever(s).

Yes ☒ No ☐

Independent vibration control on either drum offering optimum versatility on thin lifts mixes and joint rolling.

Yes ☒ No ☐

Vibratory bearings to be sealed, oil-bath lubricated.

Yes ☒ No ☐

WATER SPRAY SYSTEM

Water tank to be made of a corrosion proof material.

Yes ☒ No ☐

Pressurized water spray system with adjustable spray interval timer and on/off switch.

Yes ☒ No ☐

Non-corrosive spray bars with hand removable, quick disconnect spray nozzles.

Yes ☒ No ☐

Separate back-up water spray pump, switch actuated from operator's console.

Yes ☒ No ☐

Minimum 198-gallon water tank.

Yes ☒ No ☐

Water spray system to protected by dual onboard filters.

Yes ☒ No ☐

DRIVE

Fully hydrostatic, 2-speed travel drive system.

Yes ☒ No ☐

Hydraulic system to be safeguarded by a oil filtration system with contamination indicator.

Yes ☒ No ☐

Spring-Applied, Hydraulically-Released (SAHR) braking system.

Yes ☒ No ☐

Infinitely variable, 12-speed travel system, offering compaction or transport speeds to 7.5 mph.

Yes ☒ No ☐

Machine shall have hydraulic test ports for steering/travel/vibration circuits. Yes ☒ No ☐

FRAME

Modular (bolt-on) center joint design to facilitate easy servicing. Yes ☒ No ☐

Minimum ± 35 degrees of center articulation. Yes ☒ No ☐

Minimum ± 6 degrees of center joint oscillation. Yes ☒ No ☐

Center joint shall be maintenance free. Yes ☒ No ☐

Center joint shall be capable of frame off-set optionally (crab steer) of 6.7" either side of center position. Yes ☒ No ☐

Optional crab steer will be hydraulically actuated and controlled via the operators platform. Yes ☒ No ☐

Access to engine, hydraulic pumps, air filter, cooling system, battery, engine and hydraulic filters and engine oil fill to be achieved by wide, swing open hood. Yes ☒ No ☐

Drum Support legs to be of an angled design forward and rearward of Vertical to provide enhanced visibility to the drum contact point. Yes ☒ No ☐

Main Wire harnesses to include hot stamped addresses of the termination points for quick identification. Yes ☒ No ☐

OPERATOR'S PLATFORM

Vibration isolated operator's platform with adjustable sliding and swiveling cushioned seat. Yes ☒ No ☐

Machine shall have seated mounted dual travel levers. Yes ☒ No ☐

Travel drive lever to incorporate forward/neutral/reverse travel selection and vibration stop/start, with neutral start safety. Yes ☒ No ☐

Engine throttle switch to control governed engine speed. Yes ☒ No ☐

Instrument and controls to include:

A. Hour meter; travel speed, IPF (impacts per foot) Yes ☒ No ☐

B. Display asphalt temperature (optional), Economizer (optional) Yes ☒ No ☐

C. Acoustic horn. Yes ☒ No ☐

D. Parking brake switch; emergency stop control. Yes ☒ No ☐

E. Ignition switch. Yes ☒ No ☐

F. Water pump selection switch; spray interval timer; low water tank level indicator lamp. Yes ☒ No ☐

- G. Indicators for low alternator charge, high engine operating, temperature and low engine oil pressure, water in fuel, air filter warning, DPF regeneration control, exhaust gas temperature, engine pre-heat Yes ☒ No ☐
- H. Switch controls for high/low drum amplitude, vibrating drum selector, automatic/manual vibration control. Yes ☒ No ☐
- I. Fuel tank level gauge. Yes ☒ No ☐
- J. Indicators for high hydraulic oil temperature, hydraulic oil filter, driver's seat switch and parking brake Yes ☒ No ☐

MANUAL STORAGE

Machine shall have water tight storage for Operation Manual. Yes ☒ No ☐

MACHINE LIGHTING

Machine shall have front and rear work lights, and indicator/hazard lights. Yes ☒ No ☐

BRAKES

Dynamic braking provided through hydrostatic system. Yes ☒ No ☐

Spring-Applied, Hydraulically-Released multiple wet disc brakes on both drums. Yes ☒ No ☐

CLEARANCES

Minimum 26" all around curb clearance. Yes ☒ No ☐

Minimum 9,8" ground clearance Yes ☒ No ☐

Center mounted articulation joint ensures perfect tracking of front and rear drums. Yes ☒ No ☐

Inside turning to be approximately 16' 1". Yes ☒ No ☐

Maximum overhang of roller frames over drums to be no greater than 3.1" on either side for rolling adjacent to walls or other obstructions. Yes ☒ No ☐

MISCELLANEOUS

Manufacturer to supply as standard equipment, ROPS/FOPS structure including seat belts that meet or exceed current safety standards. Yes ☒ No ☐

Distributor shall guarantee local availability of service and parts for the roller. Yes ☒ No ☐

BOMAG EXTENDED SERVICE PROTECTION PLAN	
MASTER PARTS SCHEDULE	
ROLLER	
NEW & USED EQUIPMENT	
<p><i>This plan provides protection for the components listed below, when a failure occurs due to a defect in material or workmanship, and may provide coverage for additional components not listed when the damage is caused by or resulting from a covered failure of a listed component.</i></p>	
POWERTRAIN COMPONENTS COVERED	
ENGINE and all internal lubricated components within Accessory Gears Camshaft Camshaft Bearings Camshaft Drive Gear Connecting Rods & Bearings Crankshaft Bearings & Gear Crankshaft Including Front And Rear Crankshaft Seals Cylinder Heads/ Head Gaskets Cylinder Liners Engine Block Engine Oil Cooler Engine Speed Controls, Linkages, and Cables Flywheel, Ring Gear Front And Rear Engine Covers And Seals Front Damper Oil Pan And Gasket Oil Pump Pistons & Rings Pressure/Temperature Sensors & Sending Units Rocker Arm Assembly Thermostats Timing Gears Valve Cover And Gasket Water Pumps Engine Components Covered after Emission Warranty Charge Air Cooler Crankcase ventilation EGR System Manifold Electronic Engine Control Module Emissions after-treatment Exhaust brake, exhaust pressure governor Injection Pump Injectors Intake and Exhaust Manifold And Gaskets Turbocharger And Gasket	TRANSMISSIONS/AXLES/HYDROSTATICS Axle Housing Axle Shaft Clutch Discs (Wet Only) Clutch Plates (Wet Only) Counter Shaft Clutch Differential Housing Differential Pinion Gear / Ring Gear Drive Axle Hub Drive Shaft Support Bearing Drive Shaft with Universal Joints Drum Seals Eccentric Mechanism & Bearings Electronic Transmission Controller and Valve Flex Plate Final Drive Pinion Final Drive Planetary Gears Hydraulic Transmission-Control Valve Hydrostatic Motor Hydrostatic Transmission Charge Pump Hydrostatic Transmission Pump Hydrostatic/Hydraulic Pump Drives Internal Lubricated Clutch Housings Internal Transmission Control Linkage Internal Wet Service Brakes Planetary Gear Carrier Propulsion System Hydraulic Components Pump Drive Reduction Unit Splitter Box Torque Converter Torque Converter Pump Torque Hubs Transfer Drive Transmission Case Transmission Gears, Bearings, & Shafts Transmission Pump Travel Control Valve Vibration System Hydraulic Components ... and all internally lubricated parts within the above systems <p><i>This plan excludes coverage for any failure to any component caused by or resulting from the failure of a component not listed as a covered component, including any resulting damage to a listed component. See the Terms and Conditions document for complete plan details.</i></p>
POWERTRAIN EXPANDED COMPONENTS COVERED	
All components covered under Powertrain, plus:	
HYDRAULIC Differential Lock Valve Fan Pumps And Motors Hydraulic Cylinders Hydraulic Hoses and Piping Hydraulic Motors Hydraulic Oil Coolers Hydraulic Pumps Hydraulic Reservoir Hydraulic Valves Pilot Control Pressure Reducing Valves Priority Valves Rotary Hydraulic Manifolds Steering Cylinder Rod and Packing	Steering Pump Steering Valve Unloading Valves Vibratory Pump ELECTRICAL Automatic monitoring for multiple functions Circuit Board Control Panel Display Unit / Gauges / Instruments Electric Emergency Stop Electronic Control Valve Electronic Vibration Frequency Control Instrument ECU Vehicle ECU
<p><i>This plan excludes coverage for any failure to any component caused by or resulting from the failure of a component not listed as a covered component, including any resulting damage to a listed component. See the Terms and Conditions document for complete plan details.</i></p>	

Bid Form

Bid Item 4 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX D**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 4: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 47-48).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
4	BOMAG Model BW211PD-5 84" Single Drum Padfoot Roller or Equivalent	\$ <u>N/A</u> . ____
		Trade-In Value
Trade-In Value for used & flood-damaged: BOMAG BW213DH-40 (SN: 901582561088)		\$ _____ . ____
Total Bid Price (Minus Trade-In Value) \$ <u>N/A</u> . ____		
Projected Delivery Lead Time from Date of Purchase:		_____ weeks
Equivalent Item Description (Make & Model) for Item No. 4: _____		

Bid Form (Continued)

Bid Item 5: IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX E**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 5: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Page 51).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
5	John Deere 5065E Utility Tractor OOS 4WD or Equivalent	\$ <u>N/A</u> . ____
		Trade-In Value
Trade-In Value for used & flood-damaged: Ford 5000 Tractor		\$ _____ . ____
Total Bid Price (Minus Trade-In Value) \$ <u>N/A</u> . ____		
Projected Delivery Lead Time from Date of Purchase:		_____ weeks
Equivalent Item Description (Make & Model) for Item No. 5: _____		

Bid Form – Acknowledgement of Addenda

Acknowledgment of Addenda (if any):

Addendum 1	<u>✓</u>	Date Received	<u>6-8-18</u>
Addendum 2	<u>✓</u>	Date Received	<u>6-14-18</u>
Addendum 3	<u> </u>	Date Received	<u> </u>

Bidder Shall Return Completed Form with Offer.

Vendor References

Please list at least three (3) companies or governmental agencies (preferably a municipality) where the same or similar products and/or services as contained in this specification package were recently provided.

THIS FORM MUST BE RETURNED WITH YOUR BID.

REFERENCE ONE

Government/Company Name: CHAMBERS COUNTY ROAD & BRIDGE

Address: P. O. DRAWER H, ANAHUAC, TEXAS 77514

Contact Person and Title: DANNY COSSEY, EQUIPMENT MANAGER

Phone: 409-267-7538

Fax: 409-267-4499

Email Address: dcossey@co.chambers.tx.us Contract Period: Monday/Thursday 7 AM/5 PM

Scope of Work: ROAD BUILDING/MAINTENANCE

REFERENCE TWO

Government/Company Name: GALVESTON COUNTY ROAD & BRIDGE

Address: 5115 HIGHWAY 3, DICKINSON, TEXAS 77539

Contact Person and Title: LEE CROWDER, DIRECTOR OF ROAD & BRIDGE

Phone: 281-534-4152

Fax: 409-765-3247

Email Address: lee.crowder@co.galveston.tx.us Contract Period: Monday/Thursday 7 AM/5 PM

Scope of Work: ROAD BUILDING/MAINTENANCE

REFERENCE THREE

Government/Company Name: ORANGE COUNTY ROAD & BRIDGE

Address: 714 POLD, ORANGE, TEXAS 77630

Contact Person and Title: CLARK SLACUM

Phone: 409-882-7905

Fax: 409-670-4106

Email Address: cslacum@co.orange.tx.us Contract Period: Monday/Thursday 7 AM/5 PM

Scope of Work: ROAD BUILDING/MAINTENANCE

Bidder Shall Return Completed Form with Offer.

Signature Page

As permitted under Article 4413 (32c) V.A.C.S., other governmental entities may wish to participate under the same terms and conditions contained in this contract (i.e., piggyback). In the event any other entity participates, all purchase orders will be issued directly from and shipped directly to the entity requiring supplies/services. Jefferson County shall not be held responsible for any orders placed, deliveries made or payment for supplies/services ordered by another entity. Each entity reserves the right to determine their participation in this contract.

Would bidder be willing to allow other governmental entities to piggyback off this contract, if awarded, under the same terms and conditions?..... Yes ☒ No ☐

This bid shall remain in effect for ninety (90) days from bid opening and shall be exclusive of federal excise and state and local sales tax (exempt).

The undersigned agrees, if this bid is accepted, to furnish any and all items upon which prices are offered, at the price and upon the terms and conditions contained in the Invitation for Bid, Conditions of Bidding, Terms of Contract, and Specifications and all other items made a part of the accepted contract.

The undersigned affirms that they are duly authorized to execute the contract, that this company, corporation, firm, partnership or individual has not prepared this bid in collusion with any other bidder, and that the contents of this bid as to prices, terms or conditions of said bid have not been communicated by the undersigned nor by any employee or agent to any other bidder or to any other person(s) engaged in this type of business prior to the official opening of this bid. And further, that neither the bidder nor their employees nor agents have been for the past six (6) months directly nor indirectly concerned in any pool or agreement or combination to control the price of goods or services on, nor to influence any person to bid or not to bid thereon.

R. B. EVERETT & COMPANY

Bidder (Entity Name)

P. O. BOX 7300

Street & Mailing Address

PASADENA, TEXAS 77508

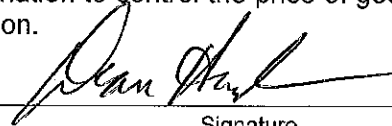
City, State & Zip

281-991-8161

Telephone Number

dhenderson@rbeverett.com

E-mail Address



Signature

DEAN HENDERSON

Print Name

6/18/18

Date Signed

281-991/5967

Fax Number

Bidder Shall Return Completed Form with Offer.

Conflict of Interest Questionnaire

CONFLICT OF INTEREST QUESTIONNAIRE For vendor doing business with local governmental entity		FORM CIQ
<p>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</p> <p>This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).</p> <p>By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.</p> <p>A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.</p>		OFFICE USE ONLY <div style="border: 1px solid black; height: 100px; width: 100%;"></div>
<p>1 Name of vendor who has a business relationship with local governmental entity.</p> <p style="text-align: center; margin-top: 10px;">DEAN HENDERSON</p>		
<p>2 <input type="checkbox"/> Check this box if you are filing an update to a previously filed questionnaire.</p> <p style="font-size: small;">(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)</p>		
<p>3 Name of local government officer about whom the information in this section is being disclosed.</p> <p style="text-align: center; margin-top: 10px;">N/A</p> <p style="text-align: center; font-size: small;">Name of Officer</p> <p style="font-size: small;">This section (Item 3 including subparts A, B, C, & D) must be completed for each officer with whom the vendor has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach additional pages to this Form CIQ as necessary.</p> <p>A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the vendor?</p> <p style="text-align: center; margin-top: 10px;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </p> <p>B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer named in this section AND the taxable income is not received from the local governmental entity?</p> <p style="text-align: center; margin-top: 10px;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </p> <p>C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more?</p> <p style="text-align: center; margin-top: 10px;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </p> <p>D. Describe each employment or business and family relationship with the local government officer named in this section.</p> <p style="margin-top: 10px;">Jefferson County is an assigned account in a sales territory.</p>		
<p>4</p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;"> Signature of vendor doing business with the governmental entity </div> <div style="text-align: center;"> <p style="font-size: 1.5em;">6-18-18</p> Date </div> </div>		

Bidder Shall Return Completed Form with Offer.

Adopted 8/7/2015

Local Government Officer Conflicts Disclosure Statement - OFFICE USE ONLY

LOCAL GOVERNMENT OFFICER CONFLICTS DISCLOSURE STATEMENT		FORM CIS
<p>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</p> <p>This is the notice to the appropriate local governmental entity that the following local government officer has become aware of facts that require the officer to file this statement in accordance with Chapter 176, Local Government Code.</p>		OFFICE USE ONLY
1	Name of Local Government Officer	Date Received
2	Office Held	
3	Name of vendor described by Sections 176.001(7) and 176.003(a), Local Government Code	
4	Description of the nature and extent of employment or other business relationship with vendor named in item 3	
5	<p>List gifts accepted by the local government officer and any family member, if aggregate value of the gifts accepted from vendor named in item 3 exceeds \$100 during the 12-month period described by Section 176.003(a)(2)(B).</p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p style="text-align: center;">(attach additional forms as necessary)</p>	
6	<p>AFFIDAVIT</p> <p style="text-align: center;">I swear under penalty of perjury that the above statement is true and correct. I acknowledge that the disclosure applies to each family member (as defined by Section 176.001(2), Local Government Code) of this local government officer. I also acknowledge that this statement covers the 12-month period described by Section 176.003(a)(2)(B), Local Government Code.</p> <p style="text-align: right; margin-right: 100px;">_____ Signature of Local Government Officer</p> <p>APPEX NOTARY STAMP / SEAL ABOVE</p> <p>Sworn to and subscribed before me, by the said _____, this the _____ day of _____, 20_____, to certify which, witness my hand and seal of office.</p> <p style="margin-top: 20px;"> _____ Signature of officer administering oath _____ Printed name of officer administering oath _____ Title of officer administering oath </p>	

Adopted 8/7/2015

Good Faith Effort (GFE) Determination Checklist

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).

☐ Yes ☒ No "NOT APPLICABLE" CONSTRUCTION EQUIPMENT

Instructions: In order to determine if a "Good Faith Effort" was made in soliciting HUBs for subcontracting opportunities, the following checklist and supporting documentation shall be completed by the Prime Contractor/Consultant, and returned with the Prime Contractor/Consultant's bid. This list contains the **minimum** efforts that should be put forth by the Prime Contractor/Consultant when attempting to achieve or exceed the goals of HUB Subcontractor participation. The Prime Contractor/Consultant may extend his/her efforts in soliciting HUB Subcontractor participation beyond what is listed below.

Did the Prime Contractor/Consultant . . .

- ☐ Yes ☐ No 1. To the extent practical, and consistent with standard and prudent industry standards, divide the contract work into the smallest feasible portions, to allow for maximum HUB Subcontractor participation?
- ☐ Yes ☐ No 2. **Notify** in writing a reasonable number of HUBs, allowing sufficient time for effective participation of the planned work to be subcontracted?
- ☐ Yes ☐ No 3. **Provide** HUBs that were genuinely interested in bidding on a subcontractor, adequate information regarding the project (i.e., plans, specifications, scope of work, bonding and insurance requirements, and a point of contact within the Prime Contractor/Consultant's organization)?
- ☐ Yes ☐ No 4. **Negotiate** in good faith with interested HUBs, and not reject bids from HUBs that qualify as lowest and responsive bidders?
- ☐ Yes ☐ No 5. **Document** reasons HUBs were rejected? Was a written rejection notice, including the reason for rejection, provided to the rejected HUBs?
- ☐ Yes ☐ No 6. If Prime Contractor/Consultant has zero (0) HUB participation, **please explain the reasons why.**

If "No" was selected, please explain and include any pertinent documentation with your bid.

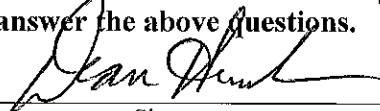
If necessary, please use a separate sheet to answer the above questions.

Dean Henderson

Printed Name of Authorized Representative

Vice President

Title



Signature

6-18-18

Date

Bidder Shall Return Completed Form with Offer.

Notice of Intent (NOI) to Subcontract with Historically Underutilized Business (HUB)

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).

☐ Yes ☒ No "NOT APPLICABLE" CONSTRUCTION EQUIPMENT

Instructions for Prime Contractor/Consultant: Bidder shall submit this form with the bid; however, the information below may be submitted after contract award, but prior to beginning performance on the contract. Please submit one form for each HUB Subcontractor/Subconsultant with proper signatures, per the terms and conditions of your contract.

Contractor Name: _____ HUB: ☐ Yes ☐ No

Address: _____

Street	City	State	Zip

Phone (with area code): _____ Fax (with area code): _____

Project Title & No.: _____

Prime Contract Amount: \$

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity): _____

Certifying Agency: ☐ Tx. Bldg & Procurement Comm. ☐ Jefferson County ☐ Tx Unified Certification Prog.

Address: _____

Street	City	State	Zip

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: %

Description of Subcontract Work to be Performed: _____

Printed Name of Contractor Representative _____ Signature of Representative _____ Date _____

Printed Name of HUB _____ Signature of Representative _____ Date _____

NOTE: NOTHING ON THIS NOTICE OF INTENT FORM IS INTENDED TO CONFER ANY RIGHTS, EXPRESSED OR IMPLIED, TO ANY THIRD PARTIES.

Pre-Approval for Subcontractor Substitutions must be obtained from the Jefferson County Purchasing Agent's Representative. The "HUB Subcontractor/Subconsultant Change Form" must be completed and faxed to 409-835-8456.

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 1 OF 4

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).

☐ Yes ☒ No "NOT APPLICABLE" CONSTRUCTION EQUIPMENT

Prime Contractor: _____ HUB: ☐ Yes ☐ No

HUB Status (Gender & Ethnicity): _____

Address: _____

Street	City	State	Zip

Phone (with area code): _____ Fax (with area code): _____

Project Title & No.: _____ IFB/RFP No.: _____

Total Contract: \$ _____ Total HUB Subcontract(s): \$ _____

Construction HUB Goals: 12.8% MBE:: % 12.6% WBE: %

Sub-goals: 1.7 African-American, 9.7% Hispanic, 0.7% Native American, 0.8% Asian American.
Use these goals as a guide to diversify.

FOR HUB OFFICE USE ONLY:

Verification date HUB Program Office reviewed and verified HUB Sub information Date: _____ Initials: _____

PART I. HUB SUCONTRACTOR DISCLOSURE

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity):

Certifying Agency: ☐ Texas Bldg & Procurement Comm. ☐ Texas Unified Certification Prog.

Address:

Street	City	State	Zip
--------	------	-------	-----

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount:	\$	Percentage of Prime Contract:	%
------------------------------	----	-------------------------------	---

Description of Subcontract Work to be Performed:

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 3 OF 4

PART II: STATEMENT OF NON-COMPLIANCE FOR NOT MEETING HUB SUBCONTRACTING GOALS

Please complete Good Faith Effort (GFE) Checklist and attach any supporting documentation.

Our firm was unable to meet the HUB goals for this project for the following reasons:

- ☐ All subcontractors to be utilized are "Non-HUBs." (Complete Part III)
☐ HUBs were solicited but did not respond.
☐ HUBs solicited were not competitive.
☐ HUBs were unavailable for the following trade(s):
☒ Other: "NOT APPLICABLE" CONSTRUCTION EQUIPMENT

Was the Jefferson County HUB Office contacted for assistance in locating HUBs? ☐ Yes ☐ No

PART III: DISCLOSURE OF OTHER "NON-HUB" SUBCONTRACTS

The bidder shall use this area to provide a listing of all "Non-HUB" Subcontractors, including suppliers, that will perform under this project. A list of those "Non-HUB" Subcontractors the bidder selects, after bid submission, shall be provided to the Purchasing Office not later than five (5) calendar days after being notified that bidder is the apparent low bidder. A list of those "Non-HUB" Subcontractors that are selected after contract award must be provided **immediately** after their selection.

Subcontractor Name: _____

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount:	\$	Percentage of Prime Contract:	%
------------------------------	----	-------------------------------	---

Description of Subcontract Work to be Performed:

Subcontractor Name:

Address: _____

Street	City	State	Zip
--------	------	-------	-----

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: % _____

Description of Subcontract Work to be Performed:

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 4 OF 4

Subcontractor Name: _____

Address: _____

Street	City	State	Zip
_____	_____	_____	_____

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

Subcontractor Name: _____

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount:	\$	Percentage of Prime Contract:	%
------------------------------	----	-------------------------------	---

Description of Subcontract Work to be Performed:

I hereby certify that I have read the *HUB Program Instructions and Information*, truthfully completed all applicable parts of this form, and **attached any necessary support documentation as required**. I fully understand that intentionally falsifying information on this document may result in my not receiving a contract award or termination of any resulting contract.

Name (print or type): DEAN HENDERSON

Title: VICE PRESIDENT

Signature: Sean Hunt

Date: 6-18-18

E-mail address: dhenderson@rbeverett.com

Contact person that will be in charge of invoicing for this project:

Name (print or type): _____

Title:

Date: _____

E-mail address:

Bidder Shall Return Completed Form with Offer.

Residence Certification/Tax Form

Pursuant to Texas Government Code §2252.001 *et seq.*, as amended, Jefferson County requests Resident Certification. §2252.001 *et seq.* of the Government Code provides some restrictions on the awarding of governmental contracts; pertinent provisions of §2252.001 are stated below:

- (3) "Nonresident bidder" refers to a person who is not a resident.
- (4) "Resident bidder" refers to a person whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.
- ☐ I certify that R.B.EVERETT & COMPANY [company name] is a Resident Bidder of Texas as defined in Government Code §2252.001.
- ☐ I certify that _____ [company name] is a Nonresident Bidder as defined in Government Code §2252.001 and our principal place of business is _____ (city and state).

Taxpayer Identification Number (T.I.N.):	74-0615140
Company Name submitting bid/proposal:	R. B. EVERETT & COMPANY
Mailing address:	P. O. BOX 7300, PASADENA, TEXAS 77508
If you are an individual, list the names and addresses of any partnership of which you are a general partner:	

Property: List all taxable property owned by you or above partnerships in Jefferson County.

Jefferson County Tax Acct. No.*	Property address or location**
NONE	NONE

* This is the property amount identification number assigned by the Jefferson County Appraisal District.

** For real property, specify the property address or legal description. For business property, specify the address where the property is located. For example, office equipment will normally be at your office, but inventory may be stored as a warehouse or other location.

Bidder Shall Return Completed Form with Offer.

Bid Affidavit

The undersigned certifies that the bid prices contained in this bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all commodities upon which prices are extended at the price offered, and upon the conditions contained in the specifications and the Notice to Bidders.

STATE OF TEXAS COUNTY OF HARRIS

BEFORE ME, the undersigned authority, a Notary Public in and for the State of TEXAS,

on this day personally appeared DEAN HENDERSON, who
(name)

after being by me duly sworn, did depose and say:

"I, DEAN HENDERSON am a duly authorized officer of/agent
(name)
for R. B. EVERETT & COMPANY and have been duly authorized to execute the
(name of firm)
foregoing on behalf of the said R. B. EVERETT & COMPANY.
(name of firm)

I hereby certify that the foregoing bid has not been prepared in collusion with any other bidder or other person or persons engaged in the same line of business prior to the official opening of this bid. Further, I certify that the bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities bid on, or to influence any person or persons to bid or not to bid thereon."

Name and address of bidder: R. B. EVERETT & COMPANY
P. O. BOX 7300, PASADENA, TEXAS 77508

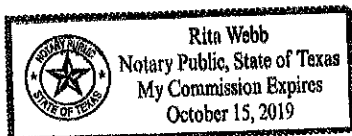
Fax: 281-991-5967 Telephone# 281-991-8161

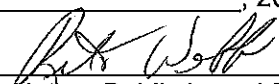
by: DEAN HENDERSON Title: VICE PRESIDENT
(print name)

Signature: 

SUBSCRIBED AND SWORN to before me by the above-named
DEAN HENDERSON on

this the 18th day of JUNE, 2018.




Notary Public in and for
the State of TEXAS

Bidder Shall Return Completed Form with Offer.

APPENDIX A

APPENDIX A

120M2/120M2-AWD

Motor Graders



Engine

Engine Model	Cat® C7.1 ACERT™	
Base Power (1st gear) – Net	108 kW	145 hp
Base Power (1st gear) – Net (metric)		147 hp
VHP Plus Range – Net	108-141 kW	145-189 hp
VHP Plus Range – Net (metric)		147-192 hp
AWD Range – Net	114-150 kW	153-203 hp
AWD Range – Net (metric)		155-212 hp

Emissions

U.S. EPA Tier 4 Interim/EU Stage IIIB equivalent

Moldboard

Blade Width	3.7 m	12 ft
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Weights

Operating Weight, Typically Equipped	18 095 kg	39,892 lb
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~~Weights – AWD~~

Operating Weight, Typically Equipped	18 987 kg	41,850 lb
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APPENDIX C

120M2/120M2-7WD Features

Operator Station

A revolutionary cab design provides unmatched comfort, visibility and ease of use, making the operator more confident and productive.

Engine and Power Train

Combining power management with advanced technology delivers maximum power and efficiency while reducing the environmental impact. M Series Motor Graders perform at U.S. EPA Tier 4 Interim/EU Stage III B equivalent emission levels using U.S. EPA and EU provisions.

Structures, Drawbar, Circle and Moldboard

Durable structures with fast and simple BCM adjustments deliver precise material control while lowering operating costs.

Hydraulics

The M Series 2 Motor Grader electro-hydraulics enable advanced machine controls with precise and predictable movements.

Integrated Technologies

Can™ Connect makes smart use of technology and services to help you monitor, manage and enhance job site operations.

120M2/120M2-7WD

120M2/120M2-7WD is a 7WD motor grader with a 120M2 engine and a 120M2-7WD transmission. It features a 120M2 engine and a 120M2-7WD transmission. It features a 120M2 engine and a 120M2-7WD transmission. It features a 120M2 engine and a 120M2-7WD transmission.

Contents

Operator Station	4
Steering and Implement Controls	5
Emissions Technology	6
Engine	6
Power Train	7
Structures and BCM	8
"Smart" Machine Systems	9
120M2/120M2-7WD	9
Integrated Technologies	10
Hydraulics	11
Work Tools and Attachments	12
Safety	13
Custom 9-Tip Standard	13
Sustainability	14
Specifications	15
Standard Equipment	22
Optional Equipment	23



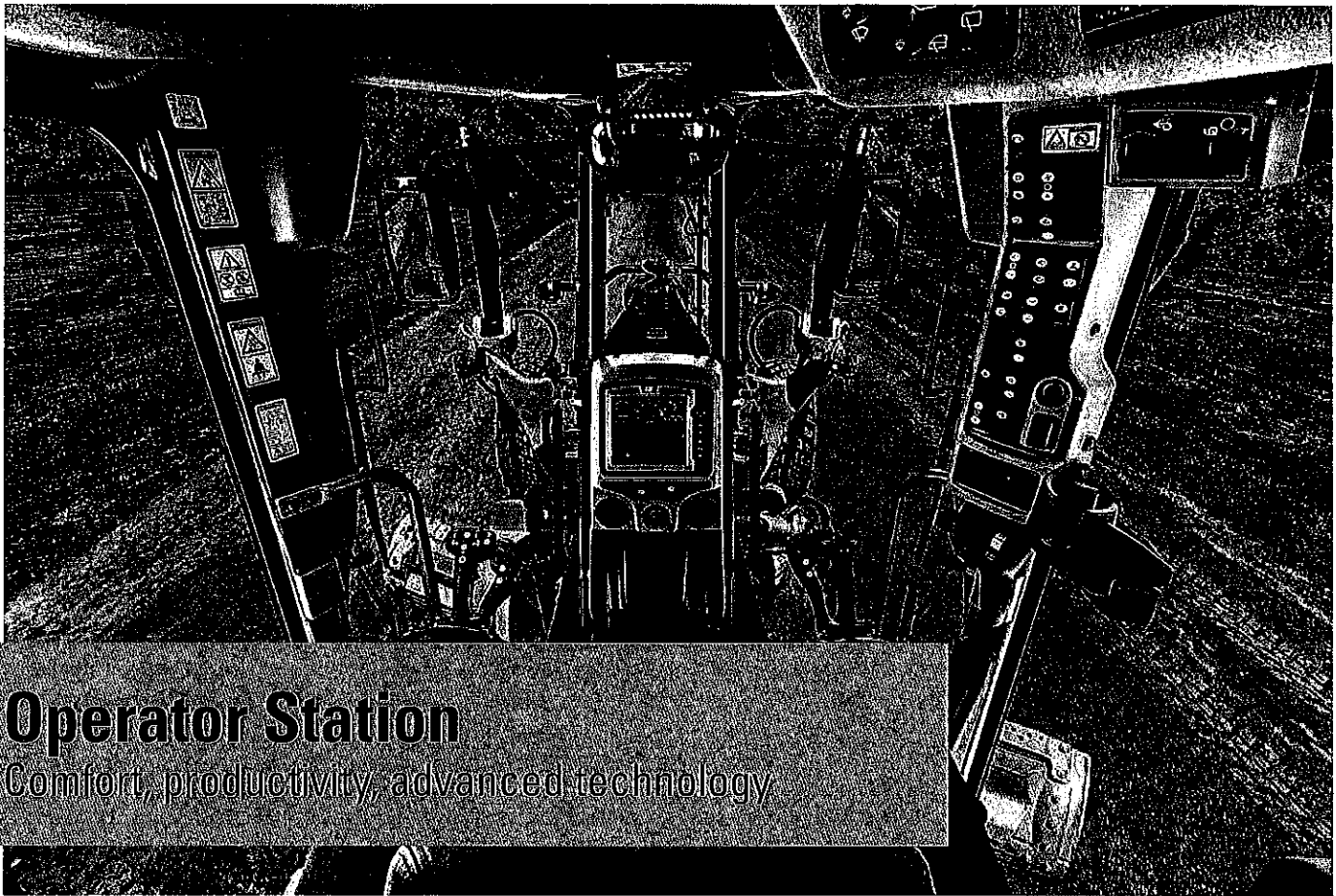
APPENDIX A



The M Series 2 continues the legacy of quality already established by Cat Motor Graders. The extensive validation program, combined with improvements to the manufacturing process, allows Caterpillar to further enhance our quality.

The end result of this development process is a motor grader line with breakthrough technologies, tested in the field and built around real applications and real customer needs. M Series 2 Motor Graders meet Tier 4 Interim/Stage IIIB equivalent emission standards.

APPENDIX A



Operator Station

Comfort, productivity, advanced technology

Visibility

Angled cab doors, a tapered engine enclosure and patented sloped rear window assure excellent visibility to the work area.

Maximum Control, Maximum Comfort

Caterpillar has built the most comfortable cab in the industry, replacing the control levers and steering wheel with two joystick controls, and lengthening the cab for more leg room. Machine design features, like angled doors, provide excellent visibility.

Operator Comfort

The Cat Comfort Series suspension seat and arm/wrist rests are fully adjustable for improved comfort and productivity. Extra leg room, easy-to-reach long-life rocker switches and revolutionary joystick controls make this the most comfortable cab in the industry.

Standard HVAC System

The high capacity system dehumidifies and pressurizes the cab, circulates fresh air, seals out dust and keeps windows clear.

Low Interior Sound and Vibration Levels

Multiple isolation mounts along with relocated hydraulic pump and valves significantly improve operator comfort and productivity.

In-Dash Instrument Cluster

Easy-to-read, high-visibility gauges and warning lamps keep the operator aware of critical system information.

APPENDIX A

Steering and Implement Controls

Unprecedented precision and ease of operation

Ease of Operation

Two electro-hydraulic joysticks require up to 78% less hand and wrist movement than conventional lever controls for greatly enhanced operator comfort and efficiency. The intuitive control pattern allows both new and experienced operators to quickly become productive.

Electronically adjustable control pods help position joysticks for optimal comfort, visibility and proper operation.

Joystick Functions

- The left joystick primarily controls the machine direction and speed including steering, articulation, return-to-center, wheel lean, gear selection, left moldboard lift cylinder and float.
- The right joystick primarily controls drawbar, circle and moldboard functions including right moldboard lift cylinder and float, moldboard slide and tip, circle turn, drawbar center shift, electronic throttle control and manual differential lock/unlock.

Intuitive Steering Control

Joystick lean angle mirrors the steer tires' turning angle. A brake tensioning system holds the joystick in position until the operator moves it. The steering control automatically reduces steering sensitivity at higher ground speeds for comfortable and predictable control.

Electronic Throttle Control

Provides easy, precise and consistent throttle operation. An automatic/manual mode switch offers flexibility for different applications and operator preferences.

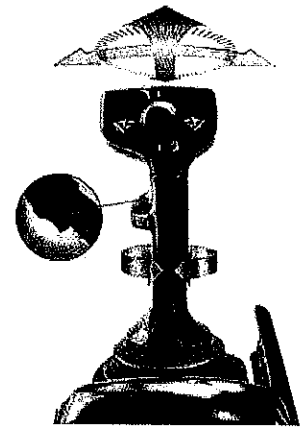
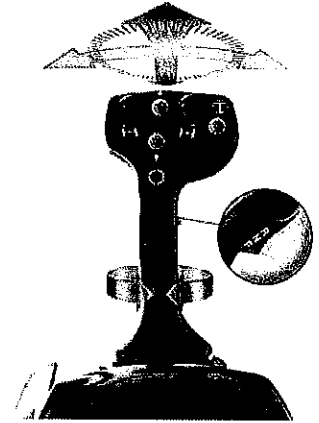
Articulation Return-to-Center

Automatically returns the machine to a straight frame position from any angle with the touch of a button.

Auxiliary Pod and Ripper Control (Optional)

Ergonomically positioned to allow simple, comfortable operation for the multiple hydraulic options.

- Four fingertip controls and a mini joystick maximize control of up to six hydraulic circuits. Individual functions can be programmed with Electronic Technician (Cat ET). The auxiliary hydraulic pod is provided when the machine is configured with three or more auxiliary functions.
- Infinitely variable roller switches provide precise control of the rear ripper and/or front lift group (when equipped).



Optional Advanced Control Joysticks

Cat Advanced Control Joysticks allow the operator to easily control automated grading solutions, Cat GRADE with Cross Slope, AccuGrade™, and Snow Wing. Both new and experienced operators can also configure auxiliary hydraulic functions (such as ripper, front plow blade, etc.) without taking their hands off the controls decreasing fatigue, increasing productivity.

APPENDIX A

Engine Power and reliability

A C7.1 ACERT engine and Cat Clean Emissions Module deliver the performance and efficiency that customers demand, while meeting Tier 4 Interim/Stage IIIB equivalent emission standards.

The C7.1 ACERT has superior torque and lugging capability to pull through sudden, short-term loads and maintain consistent, desirable grading speeds to get work done faster without downshifting. The High Pressure Common Rail Fuel System improves precision and control with full electronic injection that boosts performance and reduces soot.

Hydraulic Demand Fan

The hydraulic demand fan automatically adjusts cooling fan speed according to engine cooling requirements. This reduces demand on the engine, putting more horsepower to the ground and improves fuel efficiency. Swing-out design allows easy access to cooling cores and reduces clean out time.

Emissions Technology

Reliable, integrated solutions

Cat NO_x Reduction System

The Cat NO_x Reduction System captures and cools a small quantity of exhaust gas, then routes it into the combustion chamber where it drives down combustion temperatures and reduces NO_x emissions.

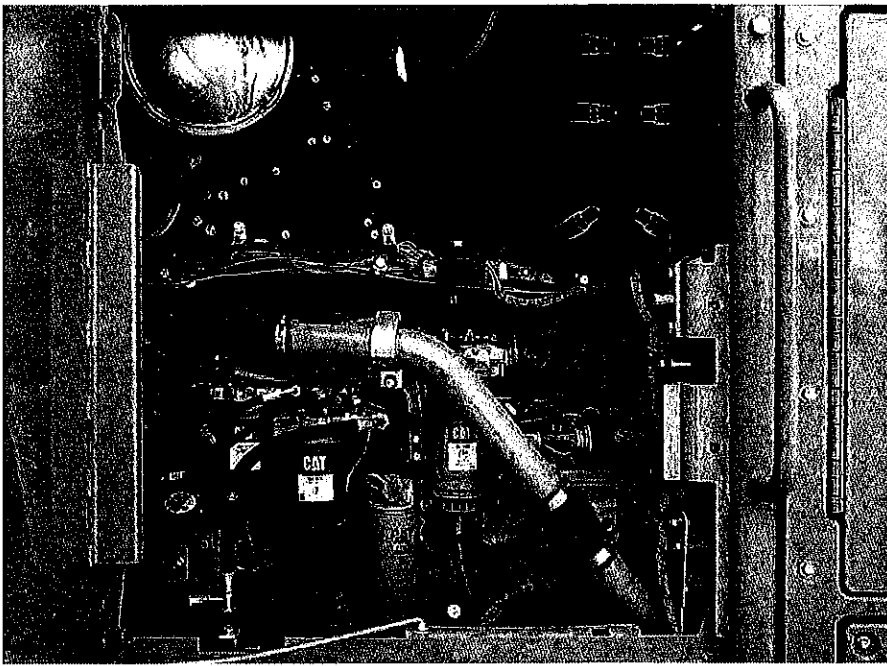
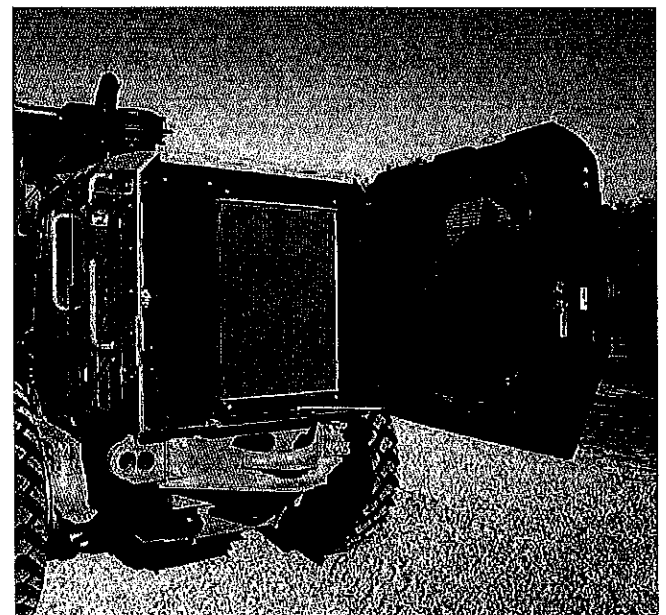
Aftertreatment Technologies

To meet Tier 4 Interim/Stage IIIB equivalent emission standards and beyond, Cat aftertreatment components have been designed to match application needs. System components include a Diesel Oxidation Catalyst (DOC) which uses a chemical process to convert regulated emissions in the exhaust stream, and a Diesel Particulate Filter (DPF) that traps particulate matter that is carried into the exhaust stream.

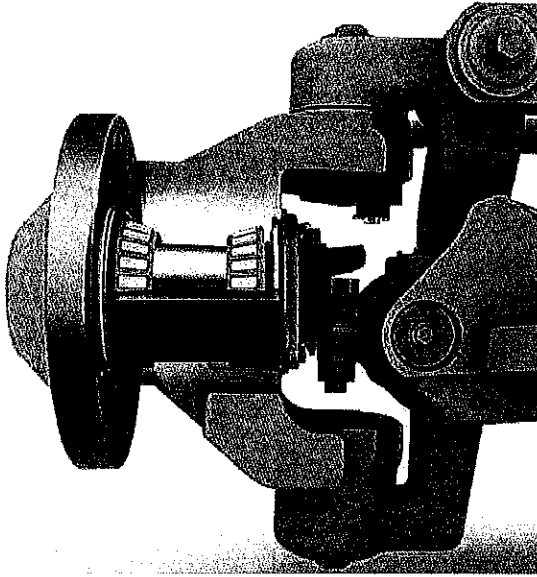
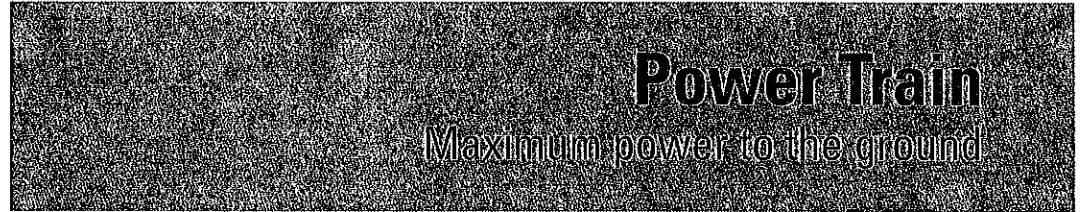
The DOC, DPF and Cat Regeneration System are contained in a Cat pillar designed Clean Emission Module (CEM) that protects the components, minimizes the aftertreatment footprint and simplifies maintenance.

Cat Regeneration System

The Cat Regeneration System is designed to work transparently, without any interaction needed from the operator. Under most operating conditions, engine exhaust is hot enough to oxidize soot through passive regeneration. If supplemental regeneration is needed, the Cat Regeneration System elevates exhaust gas temperatures to remove soot in the Diesel Particulate Filter (DPF). This is a process that happens automatically, but the operator can initiate the cycle when convenient or interrupt regeneration as needed. A soot level monitor can be viewed on the Cat Messenger screen and regeneration indicator lights are integrated into the monitor tool.



APPENDIX A



Automatic Differential Lock

Unlocks the differential during a turn, re-locks when straight, for easier operation and lower power train protection.

Front Axle

The Cat sealed spindle keeps bearings free from contaminants and lubricated in a light weight oil. The Cat "Live Spindle" design places the larger tapered roller bearing outboard where the load is greater, extending bearing life.

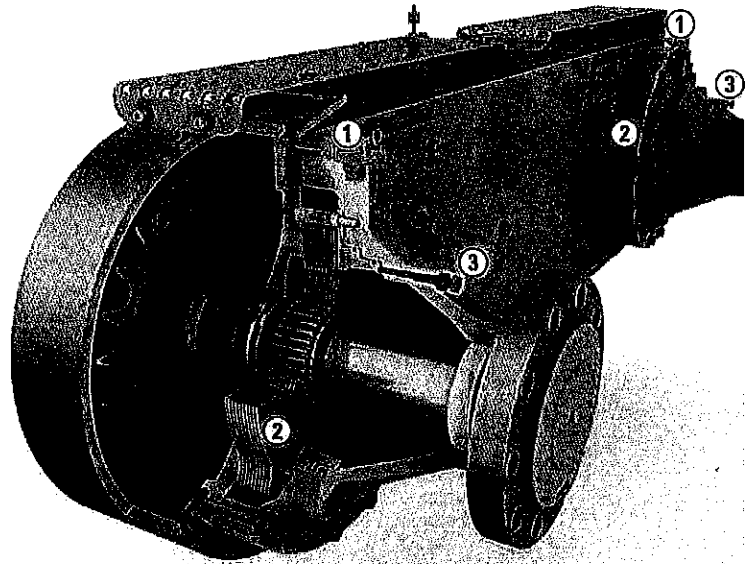
Inching Pedal

Allows precise control of machine movements and excellent modulation, critical in close-quarter work or finish grading.

Smooth Shifting Transmission

Several key innovations ensure smooth, powerful shifts.

- Full Electronic Clutch Pressure Control (ECPC) system optimizes inching modulation for smooth shifts and directional changes, reducing stress on gears.
- Controlled Throttle Shifting helps to smooth directional and gear changes without using the inching pedal.
- Load Compensation ensures consistent shift quality regardless of blade or machine load.



- This standard feature automatically shifts the transmission at optimal points so the operator can focus on the work to help improve safety, productivity and ease of operation.
- Power Shift Countershaft Transmission and the Cat C7.1 engine maximize power to the ground. Eight forward/six reverse gears optimize productivity.
- Engine Over-Speed Protection prevents downshifting until an acceptable safe travel speed has been established.

Bolt-On Modular Rear Axle

Improves serviceability and contamination control with easy access to differential components.

Hydraulic Brakes

Hydraulically actuated, oil bathed, multi-disc service brakes at each tandem wheel (1) offer the industry's largest total brake surface area (2) for dependable stopping power and long brake life. The brake wear indicator/compensator system (3) maintains brake performance and indicates brake wear without disassembly, for fast servicing and longer brake service life. The spring-applied, hydraulically released multi-disc parking brake, sealed and oil-cooled for long life and low service, is integrated into the Operator Presence System to prevent unintended machine movement.

APPENDIX A

Structures and DCM

Service ease and precise blade control

Heavy Duty Durability

The frame, drawbar and one-piece forged steel circle are designed for durability in heavy duty applications. The strong A-frame drawbar uses a durable tubular design. The front 240° of circle teeth are hardened to reduce wear and ensure component reliability.

Articulation Hitch

A large tapered roller bearing at the lower pivot carries loads evenly and smoothly. Sealed to prevent contamination, a locking pin prevents articulation for safety during service or transport.

Aggressive Blade Angle

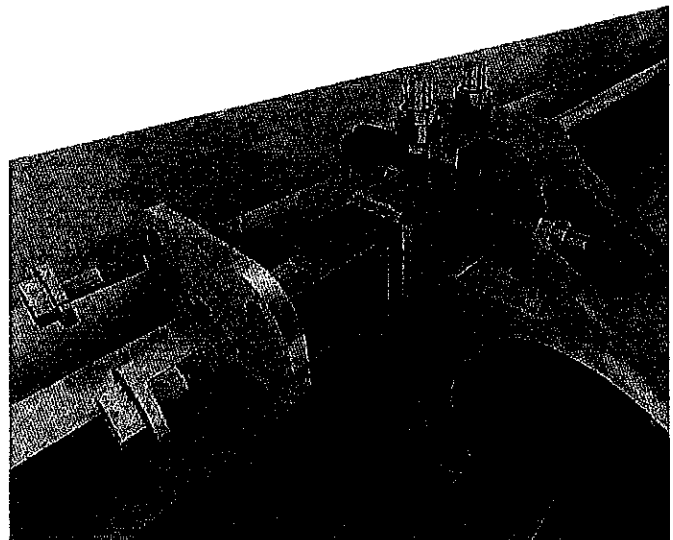
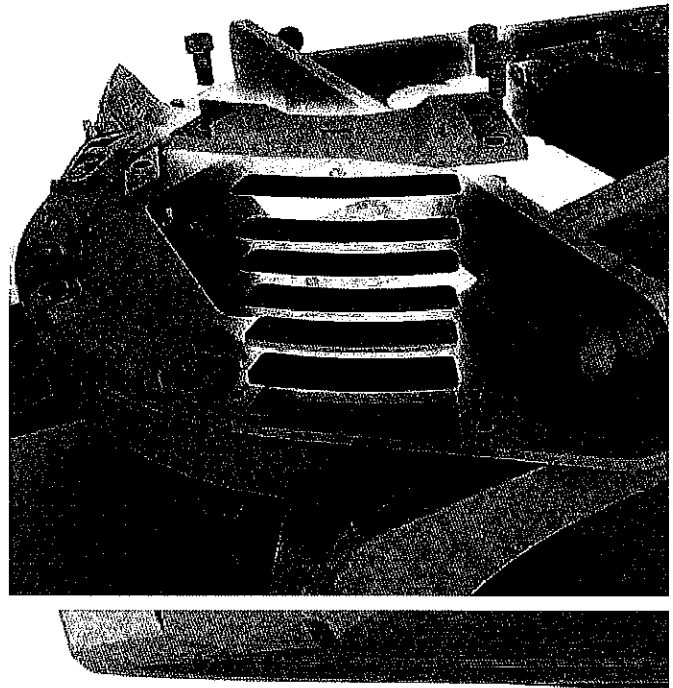
Allows material to roll more freely along the blade, particularly dry materials or cohesive soils. Better material control gets the job done faster, requires less power and saves fuel.

Fast, Easy Adjustment Means Tight Components

Shims and patented top-adjust wear strips are easy to add or replace, dramatically reducing downtime and operating costs. Durable nylon composite wear inserts maximize circle torque and component life. Sacrificial brass wear strips between the blade mounting group and moldboard can be replaced easily. Shimless Moldboard Retention System uses vertical and horizontal adjusting screws to keep moldboard wear strips aligned for reduced blade chatter, precise blade control and dramatic reductions in service time.

Moldboard

Heat-treated rails, hardened cutting edges and end bits, and heavy duty bolts assure reliability and long service life. The link bar allows extreme moldboard positioning for bank sloping, ditch cutting and cleaning.

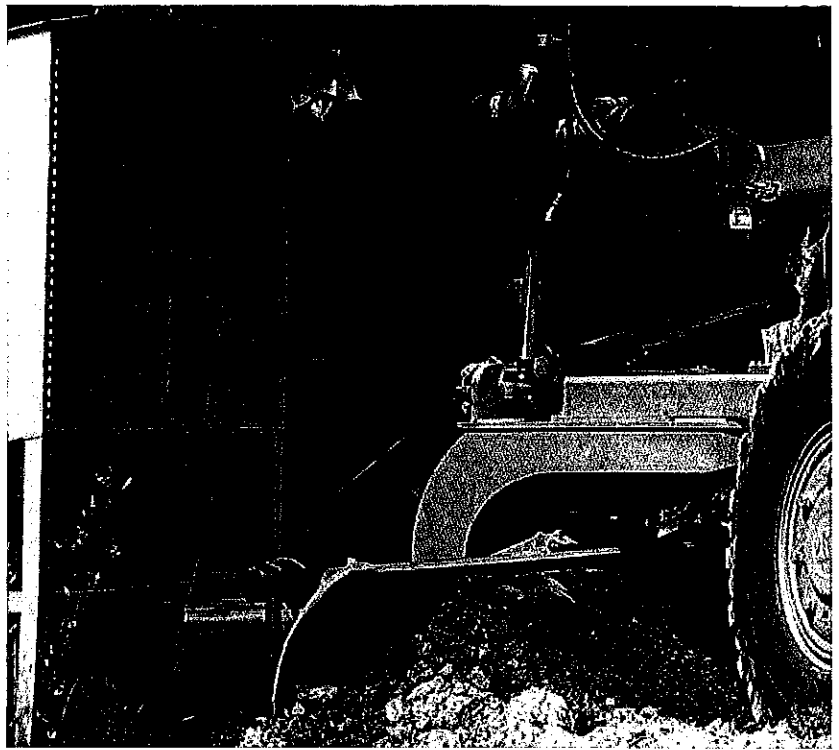


APPENDIX A

"Smart" Machine Systems Advanced diagnostics

Sharing key data among systems helps optimize machine performance and aids serviceability.

- Cat Messenger, combined with full systems integration, enhances diagnostic capability. Machine system errors are displayed in both text and fault codes for quick analysis of critical data.
- Electronic Technician (Cat ET) lets service technicians access stored diagnostic data and configure machine parameters through the Cat Data Link.
- Low Battery Elevated Idle raises idle speed when low system voltage is detected, ensuring adequate system voltage and improving battery reliability.
- Automatic Engine Deration protects the engine and aftertreatment by automatically lowering engine torque output and alerting the operator if critical conditions are detected.



All-Wheel Drive (AWD)

Expanded machine versatility

All-Wheel Drive (AWD)

AWD provides the operator with the ability to select the drive mode that best suits the terrain. The operator can select 4WD, 2WD, or 4WD with a differential lock. The operator can also select the drive mode that best suits the terrain. The operator can select 4WD, 2WD, or 4WD with a differential lock. The operator can also select the drive mode that best suits the terrain.

Maximum Torque

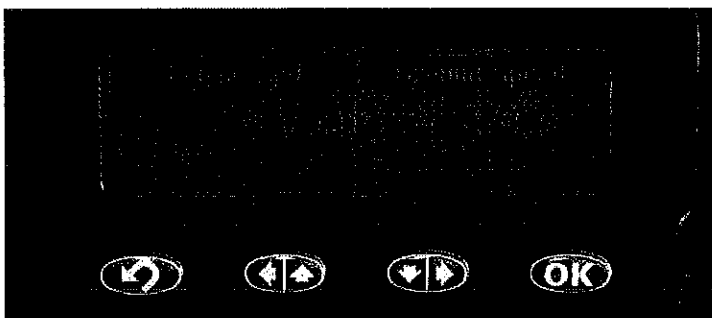
When AWD is engaged, the machine automatically increases torque output to the drive wheels. The operator can select the drive mode that best suits the terrain. The operator can select 4WD, 2WD, or 4WD with a differential lock. The operator can also select the drive mode that best suits the terrain.

Hydraulic Mode

AWD provides the operator with the ability to select the drive mode that best suits the terrain. The operator can select 4WD, 2WD, or 4WD with a differential lock. The operator can also select the drive mode that best suits the terrain.

Steering Compensation

AWD provides the operator with the ability to select the drive mode that best suits the terrain. The operator can select 4WD, 2WD, or 4WD with a differential lock. The operator can also select the drive mode that best suits the terrain.



APPENDIX A

Integrated Technologies

Monitor, manage, and enhance job site operations



Cat Connect makes smart use of technology and services to improve your job site efficiency. Using the data from technology-equipped machines, you'll get more information and insight into your equipment and operations than ever before.

LINK Technologies

LINK technologies, like Product Link™, are deeply integrated into your machine and wirelessly communicates key information, including location, hours, fuel usage, idle time and event codes.

Product Link/VisionLink®

Easy access to Product Link data via the online VisionLink user interface can help you see how your machine or fleet is performing. You can use this information to make timely, fact based decisions that can boost job site efficiency and productivity, and lower costs.

APPENDIX A

Hydraulics

Advanced machine control

Advanced Electro-Hydraulic System

Incorporates a state-of-the-art electro-hydraulic system as the foundation for revolutionary changes in machine and advanced joystick controls.

Blade Float

Allows the blade to move freely under its own weight. By floating both cylinders, the blade can follow the contours of the road, especially useful when removing snow. Floating only one cylinder permits the toe of the blade to follow a hard surface while the operator controls the slope with the other lift cylinder.

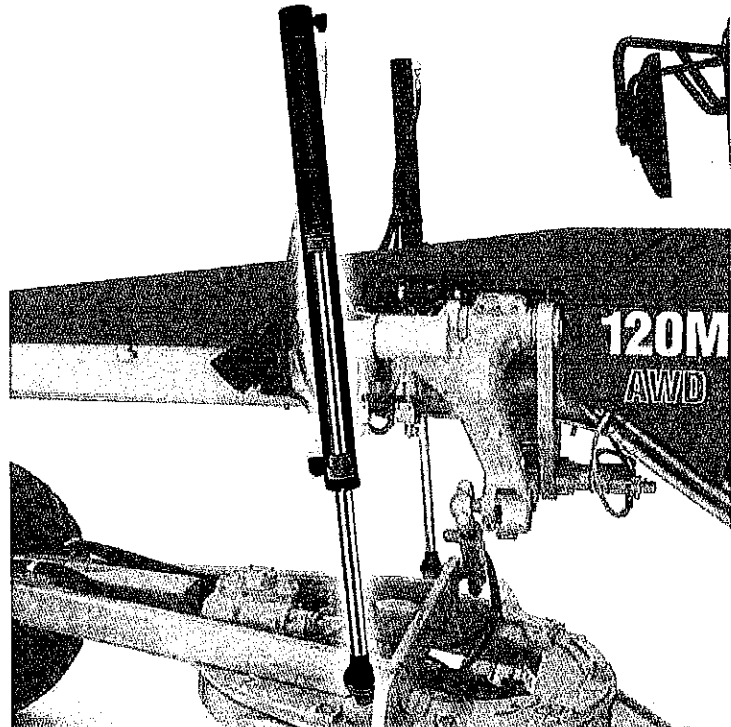
Independent Oil Supply

Large, separate hydraulic oil supplies prevent cross-contamination and provide proper oil cooling, which reduces heat build-up and extends component life.

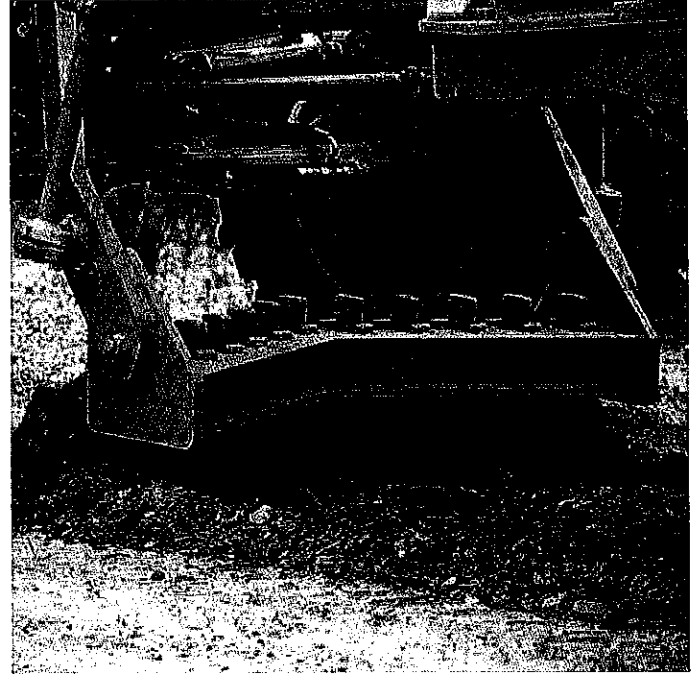
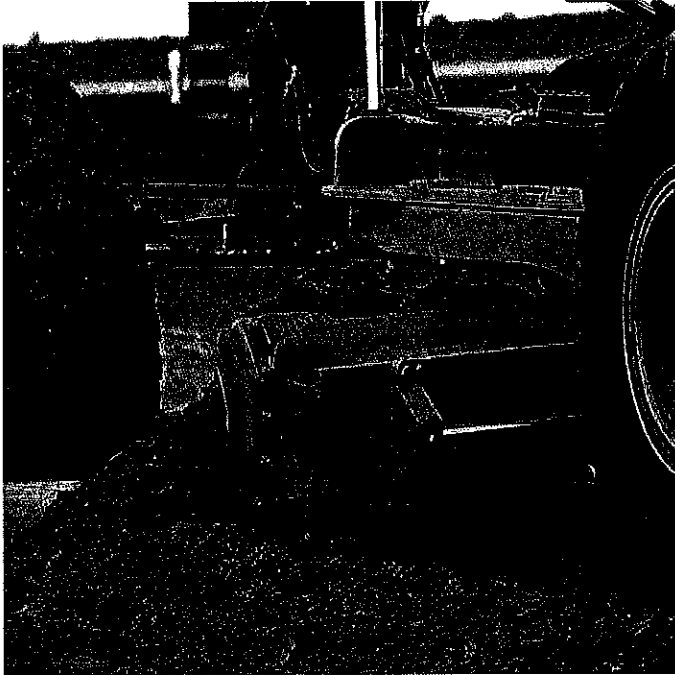
Load Sensing Hydraulics (PPPC)

The proven load-sensing system and the advanced Proportional Priority Pressure-Compensating (PPPC or "triple P - C") electro-hydraulic valves provide superior implement control and enhanced machine performance in all applications. Continuously matching hydraulic flow/pressure to power demands creates less heat and reduces power consumption.

- **Consistent, Predictable Movement** – PPPC valves have different flow rates for the head (red) and rod ends (blue) of the cylinder, ensuring consistent extension and retraction speeds.
- **Balanced Flow** – Hydraulic flow is proportioned so all implements operate simultaneously with little effect on the engine or implement speeds.



APPENDIX A



Moldboard Options

Standard 3.7 m (12 ft) ~~or optional 4.0 m (14 ft)~~. Left and right side extensions are also available.

Ground Engaging Tools (GET)

A variety of tools are available from Cat Work Tools, including cutting edges, graderbits and end bits, all designed for maximum service life and productivity.

Front Mounted Groups

A front mounted push plate/counterweight or front lift group are available. ~~The front lift group can be combined with a front dozer blade or front scarifier for added versatility.~~

Rear Ripper/Scarifier

Made to penetrate tough material fast and rip thoroughly for easier movement with the moldboard. The ripper includes three shanks (with holders for five). Nine scarifier shanks can also be added for additional versatility.

~~Snow Removal Work Tools~~

~~Multiple snow plow, snow wing and mounding options increase machine versatility and utilization throughout the year.~~

APPENDIX A

Safety

Protect your most valuable resource

Designed with Protection in Mind

Features are designed to enhance operator and job site safety, such as drop-down rear lights and a rearview camera. Among many standard safety features are laminated glass, back-up lights, and perforated tandem walkways and grab rails.

Operator Presence System

The parking brake remains engaged and hydraulic implements disabled until the operator is initially seated and the machine is ready for operation.

Secondary Steering System

Automatically engages an electric hydraulic pump in case of a drop in steering pressure, allowing the operator to steer the machine to a stop.

Hydraulic Lockout

A simple switch located in the cab disables all implement functions while still providing machine steering control. This safety feature is especially useful while roading.

Brake Systems

Brakes are located at each tandem wheel to eliminate braking loads on the power train. Redundant brake systems utilize accumulators to enable stopping in case of machine failure, further increasing operational safety.

Circle Drive Slip Clutch

This standard feature protects the drawbar, circle and moldboard from shock loads when the blade encounters an immovable object. It also reduces the possibility of abrupt directional changes in poor traction conditions.

Blade Lift Accumulators (Optional)

This optional feature uses accumulators to help absorb impact loads to the moldboard by allowing vertical blade travel. Blade lift accumulators help reduce unnecessary wear and also help reduce impact loading for enhanced operator safety.

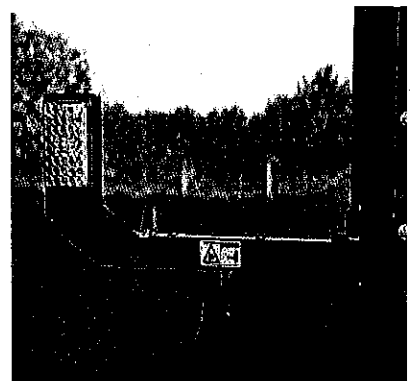
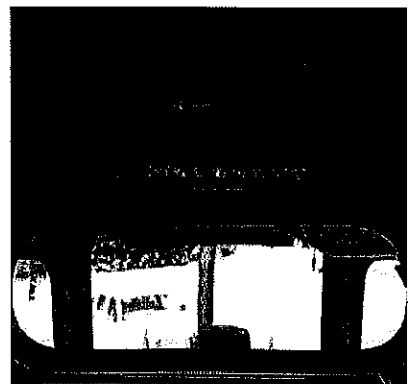
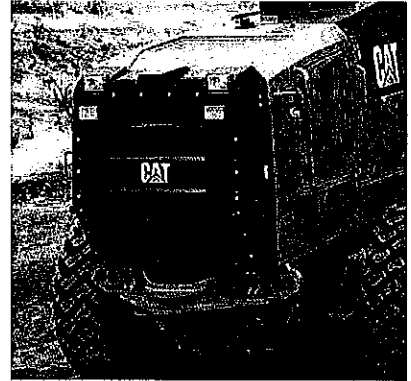
Rearview Camera (Optional)

Visibility is further enhanced with an optional Work Area Vision System (WAVS) through a 178 mm (7 in) LCD color monitor in the cab.

Developed specifically for rugged applications, this durable camera improves productivity and increases operator awareness of surroundings.

Front and Rear Fenders (Optional)

To help reduce objects flying from the tires, as well as build up of mud on the machine, optional fenders can be added.



APPENDIX A

Customer Support

Unparalleled worldwide support.

Renowned Dealer Service

From helping you choose the right machine to financing and ongoing support, your Cat dealer provides the best in sales and service.

Manage your costs with preventive maintenance programs like S-O-SSM analysis, Coolant Sampling and guaranteed maintenance contracts.

Stay productive with best-in-class parts availability. Your Cat dealer can even help boost your profits with operator training.

And when it's time for component replacement, your Cat dealer can help you save even more. Genuine Cat Remanufactured parts carry the same warranty and reliability as new products at savings of 40 to 70 percent for power train and hydraulic components.

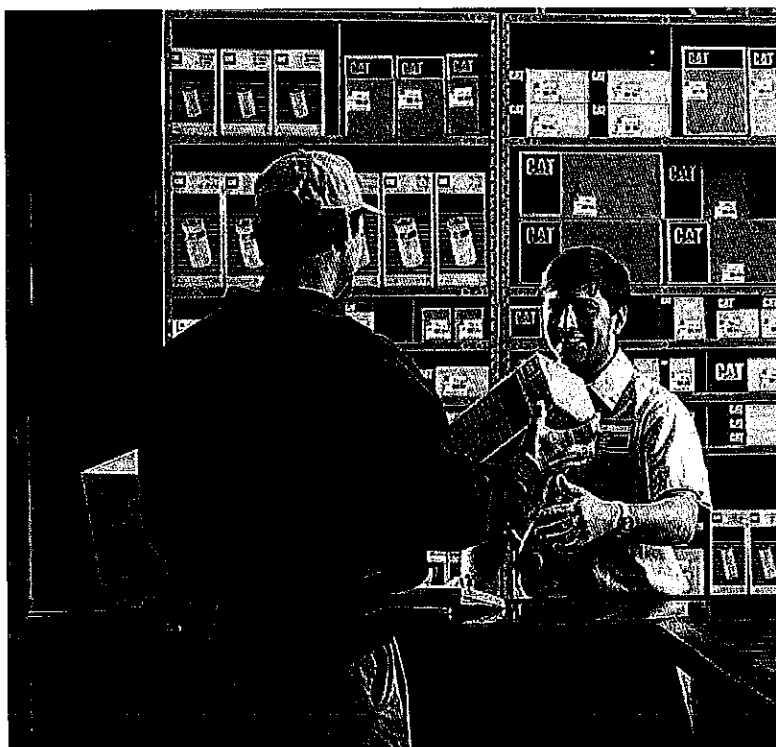


Sustainability

Thinking generations ahead

M-Series 2 Motor Graders are designed to benefit your business and reduce emissions.

- Cat engine and aftertreatment meet Tier 4 Interim/Stage IIIB equivalent emission standards.
- Integrated machine systems and technologies improve productivity for greater accuracy, lower fuel use and reduced machine wear.
- Replaceable wear parts save maintenance time and cost and extend major component life.
- Major structures and components are built to be rebuilt, reducing waste and replacement costs.
- Extended service intervals reduce maintenance time/cost and waste.
- A variety of safety features help protect operators and others on the job site.



120M2/120M2-AWD Motor Graders Specifications

APPENDIX A

Engine		
Engine Model	Cat C7.1 ACERT	
Emissions	Tier 4 Interim/Stage IIIB equivalent	
Base Power (1st gear) – Net	108 kW	145 hp
Base Power (1st gear) – Net (metric)	147 hp	
VHP Plus Range – Net	108-141 kW	145-189 hp
VHP Plus Range – Net (metric)	147-192 hp	
VHP Range – Net	114-156 kW	155-209 hp
AWD Range – Net (metric)	155-212 hp	
Displacement	7.01 L	428 in ³
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Torque Rise	45%	
Maximum Torque	939 N·m	693 lbf·ft
Speed @ Rated Power	2,100 rpm	
Number of Cylinders	6	
Derating Altitude	3048 m	10,000 ft
Hi Ambient – Fan Speed		
Standard	1,000 rpm	
Maximum	1,350 rpm	
Minimum	500 rpm	
Standard Capability	43° C	109° F
Hi Ambient Capability	50° C	122° F

VHP Plus – Gear

1F, Net	108 kW	145 hp
2F, Net	114 kW	153 hp
3F, Net	120 kW	161 hp
4F, Net	126 kW	169 hp
5F, Net	130 kW	174 hp
6F, Net	134 kW	179 hp
7F, Net	137 kW	184 hp
8F, Net	141 kW	189 hp

- Net power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture.
- VHP Plus is a standard attachment for the 120M2; standard for the 120M2 AWD.
- Net power advertised is the power available at rated speed of 2,100 rpm, measured at the flywheel when engine is equipped with fan running at minimum speed, air cleaner, muffler and alternator.
- No engine derating required up to 3048 m (10,000 ft).
- Power as declared per ISO 14396
Rated rpm 2,100
VHP+ = 142 kW (190 hp)
~~AWD = 157 kW (211 hp)~~
- All non-road Tier 4, Stage IIIB and IV certified diesel engines are required to use:
 - Ultra Low Sulfur Diesel (ULSD) and Sulfur-Free fuels that are 15 ppm (mg/kg) sulfur or less.
 - Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specification.

APPENDIX A

120M2/128M2-AWD Motor Graders Specifications

Power Train

Forward/Reverse Gears	8 Forward/6 Reverse
Transmission	Direct Drive, Powershift
Brakes	
Service	Multiple Oil Disc
Service, Surface Area	23 000 cm ² 3,565 in ²
Parking	Multiple Oil Disc
Secondary	Dual Circuit

Hydraulic System

Circuit Type	Parallel
Pump Type	Variable Piston
Pump Output	210 L/min 55.7 gal/min
Maximum System Pressure	24 150 kPa 3,500 psi
Reservoir Tank Capacity	60 L 15.85 gal
Standby Pressure	4200 kPa 609 psi

- Pump output measured at 2,150 rpm

Operating Specifications

Top Speed		
Forward	45.7 km/h	28.4 mph
Reverse	36.1 km/h	22.4 mph
Turning Radius, Outside Front Tires	7.4 m	24 ft 3 in
Steering Range – Left/Right	47.5°	
Articulation Angle – Left/Right	20°	
Forward		
1st	4.0 km/h	2.5 mph
2nd	5.4 km/h	3.4 mph
3rd	7.8 km/h	4.9 mph
4th	10.8 km/h	6.7 mph
5th	16.8 km/h	10.4 mph
6th	22.8 km/h	14.2 mph
7th	31.4 km/h	19.5 mph
8th	45.7 km/h	28.4 mph
Reverse		
1st	3.1 km/h	1.9 mph
2nd	5.9 km/h	3.9 mph
3rd	8.5 km/h	5.3 mph
4th	13.2 km/h	8.2 mph
5th	24.8 km/h	15.4 mph
6th	36.1 km/h	22.4 mph

Calculated with no slip and 14.0R24 tires.

Service Refill

Fuel Capacity	378 L	100 gal
Cooling System	49 L	12.9 gal
Hydraulic System		
Tank	64 L	16.9 gal
Engine Oil	30 L	7.9 gal
Trans./Diff./ Final Drives	62.5 L	16.5 gal
Tandem Housing (each)	59 L	15.6 gal
Front Wheel Spindle Bearing Housing	0.5 L	0.13 gal
Circle Drive Housing	7 L	1.8 gal

Frame

Circle		
Diameter	1530 mm	60.2 in
Blade Beam Thickness	35 mm	1.4 in
Drawbar		
Height	152 mm	6.0 in
Width	76.2 mm	3.0 in
Thickness	9.5 mm	0.4 in
Front-Top/Bottom Plate		
Width	255 mm	10.0 in
Thickness	22 mm	0.87 in
Front Frame Structure		
Height	280 mm	11.0 in
Width	204 mm	8.0 in
Front Axle		
Height to Center	572 mm	22.5 in
Wheel Lean, Left/Right	18°	
Front Axle – Total Oscillation Per Side	32°	

- Front-top/bottom plate – width tolerance ± 2.5 mm (0.098 in)

Tandems

Height	502 mm	19.8 in
Width	172 mm	6.8 in
Sidewall Thickness		
Inner	14 mm	0.5 in
Outer	16 mm	0.6 in
Drive Chain Pitch	44.5 mm	1.8 in
Wheel Axle Spacing	1510 mm	59.5 in
Tandem Oscillation		
Front Up	15°	
Front Down	25°	

120M2/120M2-AWD Motor Graders Specifications

APPENDIX A

Moldboard

Blade Width	3.7 m	12 ft
Moldboard		
Height	610 mm	24 in
Thickness	22 mm	0.87 in
Arc Radius	413 mm	16.3 in
Throat Clearance	123.9 mm	4.9 in
Cutting Edge		
Width	152 mm	6 in
Thickness	16 mm	0.6 in
End Bit		
Width	152 mm	6 in
Thickness	16 mm	0.6 in
Blade Pull		
Base GVW	10 767 kg	23,737 lb
Maximum GVW	13 599 kg	29,980 lb
Maximum GVW AWD	19 998 kg	44,088 lb
Blade Down Pressure		
Base GVW	6818 kg	15,030 lb
Maximum GVW	12 354 kg	27,235 lb

Blade Range

Circle Centershift		
Right	656 mm	25.8 in
Left	656 mm	25.8 in
Moldboard Sideshift		
Right	660 mm	26 in
Left	510 mm	20.1 in
Maximum Blade Position Angle	90°	
Blade Tip Range		
Forward	40°	
Backward	5°	
Maximum Shoulder Reach Outside of Tires		
Right	1905 mm	75 in
Left	1742 mm	68.6 in
Maximum Lift Above Ground	427 mm	16.8 in
Maximum Depth of Cut	720 mm	28.3 in

Ripper

Ripping Depth, Maximum	226.5 mm	8.9 in
Ripper Shank Holders	5	
Ripper Shank Holder Spacing	534 mm	21 in
Penetration Force	8024 kg	17,692 lb
Pryout Force	2567 kg	5,660 lb
Machine Length Increase, Beam Raised	1053 mm	41.5 in

Scarifier

Front, V-Type, Working Width	1295 mm	47.4 in
Front, V-Type, 5 or 11 Teeth		
Working Width	1031 mm	40.6 in
Scarifying Depth, Maximum	467 mm	18.4 in
Scarifier Shank Holders	5/11	
Scarifier Shank Holder Spacing	116 mm	4.6 in
Mid, V-Type		
Working Width	1184 mm	46.6 in
Scarifying Depth, Maximum	292 mm	11.5 in
Scarifier Shank Holders	11	
Scarifier Shank Holder Spacing	116 mm	4.6 in
Mid, Straight		
Working Width	1800 mm	71 in
Ripping Depth, Maximum	317 mm	12.5 in
Scarifying Depth, Maximum	426 mm	16.8 in
Scarifier Shank Holders	17	
Scarifier Shank Holder Spacing	111 mm	4.4 in

Weights

Gross Vehicle Weight, Base		
Total	15 887 kg	35,025 lb
Front Axle	3924 kg	8,651 lb
Rear Axle	11 963 kg	26,374 lb
Gross Vehicle Weight, Maximum		
Total	22 220 kg	48,987 lb
Front Axle	7110 kg	15,675 lb
Rear Axle	15 110 kg	33,312 lb
Operating Weight, Typically Equipped		
Total	18 095 kg	39,892 lb
Front Axle	4791 kg	10,563 lb
Rear Axle	13 304 kg	29,329 lb

120M2/120M2-AWD Motor Graders Specifications

George Valerij Wright Dunn

- Typicality weighted Operating weight is calculated with power block, main shaft and generator as follows

ROPS/FOPS	ISO 3471/ISO 3449
Steering	ISO 5010
Brakes	ISO 3450
Sound	ISO 6394; ISO 6395

- ### 17.5 R25 Tire (14x25 Rim) Dimension Adjustments—Standard and AWD

- **Note:** Dimension changes may vary by brand/type and inflation of tires.

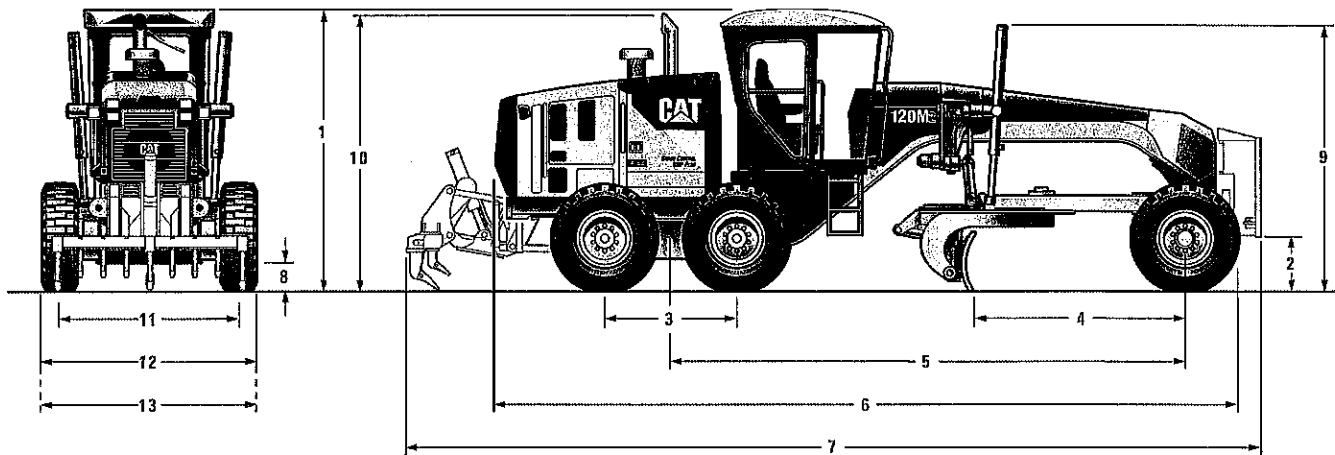
The air conditioning system on this machine contains the **fluorinated greenhouse gas refrigerant R134a** (Global Warming Potential = 1430). The system contains 1.6 kg of refrigerant which has a CO₂ equivalent of 2.88 metric tonnes.

120M2/120M2-AWD Motor Graders Specifications

APPENDIX A

Dimensions

All dimensions are based on 14.0R24 tires.



1	Height – Top of Cab	3308 mm	130.2 in
2	Height – Front Axle Center	596 mm	23.5 in
3	Length – Between Tandem Axles	1510 mm	59.4 in
4	Length – Front Axle to Moldboard	2510 mm	98.8 in
5	Length – Front Axle to Mid Tandem	5917 mm	233 in
6	Length – Front Tire to Rear of Machine	8820 mm	347.2 in
7	Length – Counterweight to Ripper	10 032 mm	395.0 in
8	Ground Clearance at Rear Axle	348 mm	13.7 in
9	Height to Top of Cylinders	2917 mm	114.8 in
10	Height to Exhaust Stack	3258 mm	128.3 in
11	Width – Tire Center Lines	2119 mm	83.4 in
	Width – Tire Center Lines Front (AWD)	2223 mm	87.5 in
12	Width – Outside Rear Tires	2490 mm	98.0 in
13	Width – Outside Front Tires	2511 mm	98.9 in
	Width – Outside Front Tires (AWD)	2594 mm	102.1 in

APPENDIX A

120M2/126M2 AWD Motor Graders Specifications

Optional Tire Arrangements

Wheel Group		Tires	Tire Arrangement Weight (Total – 6 Tires)	
9x24 SP	13.00-24	Firestone SGG RB 12PR	775 kg	1,709 lb
14x25 MP	17.5-25	Goodyear HRL DL 3A 16 PR	1487 kg	3,278 lb
14x25 MP	17.5R25	Michelin XHA 1 Star	1523 kg	3,357 lb
14x25 MP	17.5R25	Michelin XTLA 1 Star	1373 kg	3,026 lb
10x24 MP	14.0-24	Goodyear SGG-2A 16 PR	1173 kg	2,586 lb
10x24 MP	14.0R24	Michelin XGLA2 1 Star	1209 kg	2,666 lb
10x24 MP	14.0R24	Bridgestone VKT 1 Star	1371 kg	3,023 lb
10x24 MP	14.0R24	Michelin XSNO+ 1 Star	1305 kg	2,877 lb
10x24 MP	14.0R24	Bridgestone VUT 1 Star	1269 kg	2,798 lb
9x24 SP	14.0R24	Michelin XGLA2 1 Star	1049 kg	2,313 lb
14x25 MP	17.5R25	Bridgestone VKT 1 Star	1523 kg	3,357 lb
13x25 SP	17.5R25	Michelin XHA 1 Star	1320 kg	2,911 lb
13x25 SP	17.5R25	Michelin XTLA 1 Star	1170 kg	2,580 lb
120M2 AWD				
14x25 MP	17.5R25	Michelin XSNO+ 1 Star	1403 kg	3,094 lb
14x25 MP	17.5-25	Firestone SGG 12PR	1207 kg	2,661 lb
14x25 MP	17.5R25	Bridgestone VSW 1 Star	1670 kg	3,681 lb
10x24 MP	14.0R24	Bridgestone VSW 1 Star	1305 kg	2,876 lb

For a complete list of tire options, contact your local Cat dealer.

120M2/120M2 AWD Standard Equipment

APPENDIX A

Standard Equipment

Standard equipment may vary. Consult your Cat dealer for details.

POWER TRAIN

- Air cleaner, dual stage, dry type, diesel, with automatic engine derate and automatic dust ejector, service indicator through Cat Messenger
- Air-to-air after cooler (ATAAC)
- Belt, serpentine, automatic tensioner
- Brakes, oil disc, four-wheel, hydraulic
- Demand fan, hydraulic, swing-out
- Differential lock/unlock, automatic
- Drain, engine oil, ecology
- Electronic over speed protection
- Engine, C7.1 with ACERT Technology, Tier 4 Interim and Stage IIIB equivalent emission standards
- Fuel tank, 378 L (100 gal), ground level access and sediment drain
- Parking brake – multi-disc, sealed, oil-cooled
- Priming pump, fuel
- Rear axle, modular
- Sediment drain, fuel tank
- Tandem drive
- Transmission, 8F/6R, power shift, direct drive
- VHP Plus (Variable Horsepower)

ELECTRICAL

- Alarm, back up
- Alternator, 150 ampere, sealed
- Batteries, maintenance free, heavy duty, 1,125 CCA
- Breaker panel, ground accessible
- Cab harness and electrical hydraulic valves
- Electrical system, 24V
- Grade Control Ready – Cab harness, software, electrical hydraulic valves, bosses and brackets
- Lights, roof-mounted roading, reversing, LED stop and tail
- Product Link Ready
- Starter, electric

OPERATOR ENVIRONMENT

- Accelerator
- Air conditioning with heater
- Arm and wrist rest, electronically adjustable
- Articulation, automatic Return-to-Center
- Ashtray and lighter
- Cat Messenger operator information system
- Centershift pin indicator
- Coat hook
- Cup holder
- Display, digital speed and gear
- Doors, left and right side with wiper
- Gauge, machine level
- Gauge cluster (analog) – fuel, articulation, engine coolant temp, engine RPM, hydraulic oil temp, regen
- Hour meter, digital
- Joystick hydraulic controls right/left blade lift with float position, circle drive, blade sideshift and tip, centershift, front wheel lean, articulation and power steering
- Joystick, adjustable armrests
- Joystick gear selection
- Joystick hydraulic power steering
- Ladders, cab, left and right side
- Lights, night time cab
- Mirror, inside rearview, wide angle
- Power port, 12V
- Radio Ready, Entertainment
- ROPS cab, sound suppressed 70 dB(A)
- Seat, cloth-covered, comfort suspension
- Seat belt, retractable 76 mm (3 in)
- Storage area for cooler/lunchbox
- Throttle control, electronic
- Windows, laminated glass:
 - fixed front with intermittent wiper
 - side and rear (3)

FLUIDS

- Antifreeze
- Extended Life Coolant to -35°C (-30°F)

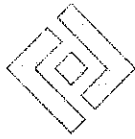
TIRES, RIMS AND WHEELS

- Partial allowance for tires on 254×607 mm (10×24 in) multi-piece rims is included in the base machine price and weight

OTHER STANDARD EQUIPMENT

- Accumulators, brake, dual certified
- Anti-glare paint
- Bumper, rear, integrated with hitch
- CD ROM Parts Book
- Clutch, circle drive slip
- Cutting edges
 - 152×16 mm ($6 \times 5/8$ in)
 - curved DH-2 steel
 - 19 mm ($3/4$ in) mounting bolts
- Doors (3), engine compartment, locking
- Drawbar – 6 shoes, replaceable wear strips
- Electrical hydraulic valves, hydraulic lines for base 8 functions
- Endbits
 - 16 mm ($5/8$ in) DH-2 steel
 - 19 mm ($3/4$ in) mounting bolts
- Fluid check, ground level
- Frame, articulated, with safety lock
- Ground level engine shutdown
- Hammer (emergency exit)
- Horn, electric
- Hydraulic lines for base functions
- Lockout, hydraulic implement (for roading and servicing)
- Moldboard – $3658 \times 610 \times 22$ mm ($12 \text{ ft} \times 24 \text{ in} \times 7/8 \text{ in}$)
- Mounting, cab roof accessories
- Pump, hydraulic, high capacity, 98 cm^3 (6 in^3)
- Radiator, cleanout access (both sides with swing doors)
- Secondary steering
- Serviceability, LH side
- S-O-S ports: engine, hydraulic, transmission, coolant, fuel
- Tandem walkway/guards
- Tool box
- Tow hitch

APPENDIX B



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APPENDIX B

Pneumatic Tired Roller BW11RH-5

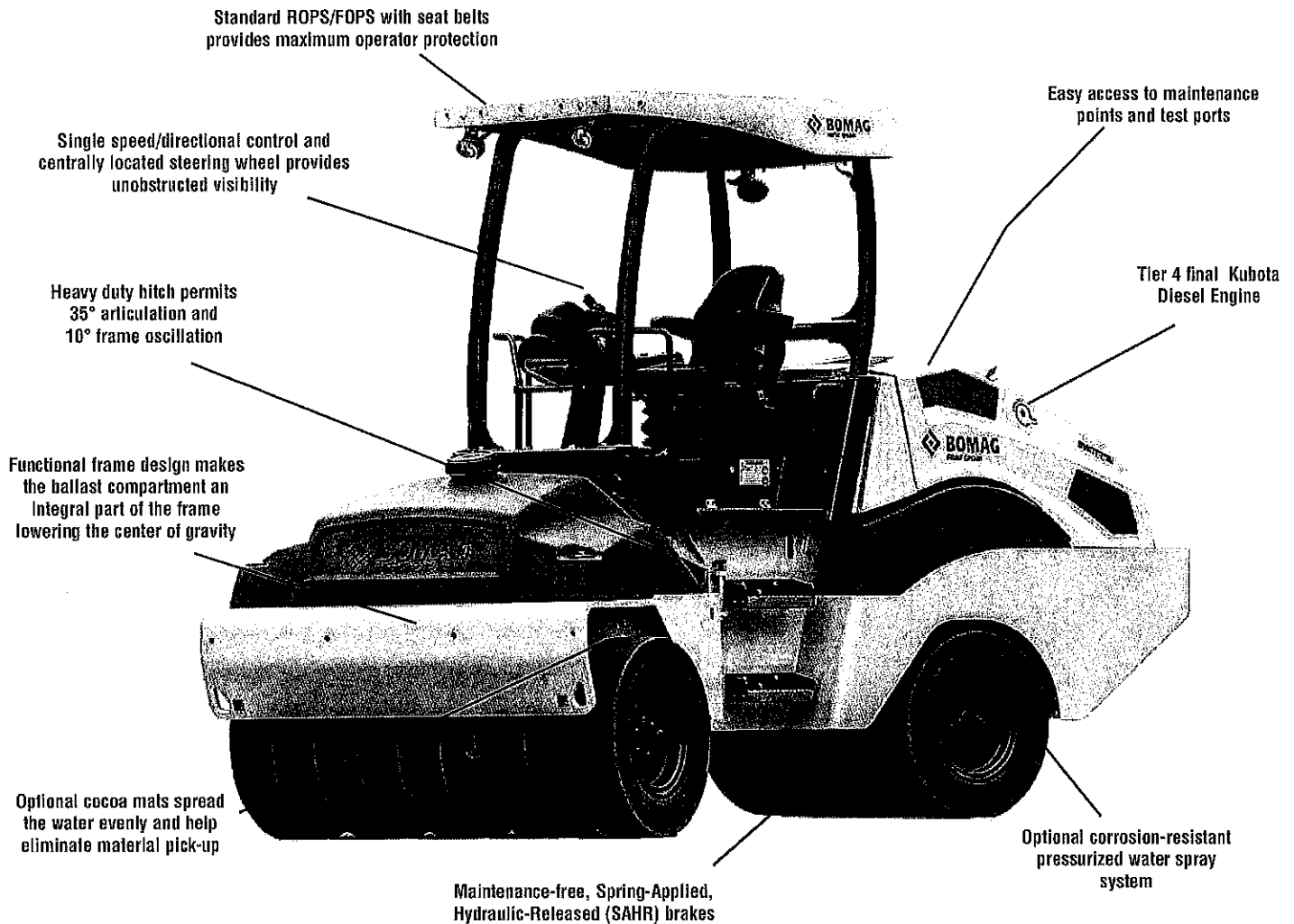


TIRE INFLATION PRESSURE P.S.I			GROUND CONTACT PRESSURE P.S.I						
Wheel Loads	Ballast Combinations lbs		14 Ply tire pressure			Opt 14 Ply Radial tire pressure			
lbs	Front	Rear	45	75	100	45	75	100	130
1,500 (680 kg)	3,355 (1,521 kg)	0	46	49	55	32	46	61	81
2,000 (907 kg)	5,855 (2,655 kg)	1,070 (485 kg)	53	63	77	40	57	72	99
2,222 (1,006 kg)	6,965 (3,153 kg)	1,958 (886 kg)	X	68	82	X	61	73	94

Operating weight, 12,231 lbs (5547 kg), includes ROPS, full fuel tank, 1/4 full water spray tank, and 175 lbs (80 kg) operator.

BW11RH-5

APPENDIX B



BW11RH-5 - continuing the tradition of excellence...

The BW11RH-5 pneumatic tired roller is one of the most versatile machines in the Bomag line. This roller achieves its high compaction performance through the combined effect of vertical pressure with the horizontal forces directed to all sides under each of the nine, overlapping tires.

Wheels and frame oscillate to deliver balanced wheel loads and uniform compaction. Further enhancing its versatility and maneuverability, the BW11RH-5's hydrostatic, centerpoint, articulated steering delivers a short, ten foot turning radius achieving optimum compaction on tight, curving curblines.

Applications:

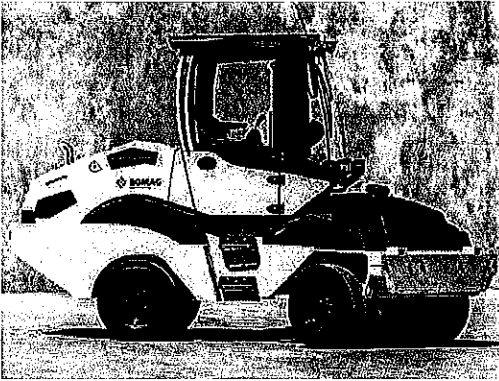
- Highway construction and maintenance
- Driveways
- Parking lots
- Chip and seal



BW11RH in action on an asphalt resurfacing application

APPENDIX B

Featuring...



Center swivel seat provides excellent comfort and visibility in both travel directions

Handling is Easier & Safer:

- Hydrostatic Steering with automotive type steering wheel provides controlled maneuverability through turns.
- Brakes apply automatically when engine is shut down or with loss of transmission system hydraulic pressure.
- Functional frame design incorporates strategically placed ballast compartments providing a low center of gravity, exceptional stability and uniform weight distribution when fully ballasted.
- Standard ROPS/FOPS, which also functions as sun canopy, with seat belts deliver operator safety.
- Operating Safety is further enhanced by adding the optional turn signals and 4-way flashers.
- Zero overhang; two inches overhang with optional pressurized water spray system and heat shields

Pneumatic tired models provide maximum versatility

Achieve Maximum Productivity:

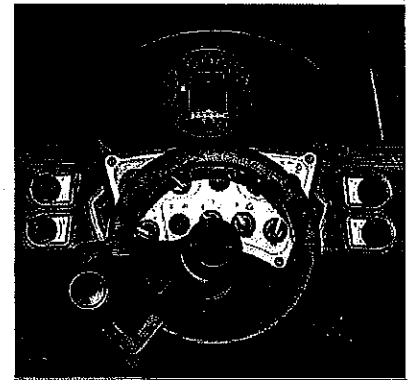
- Centerpoint steering allows the wheels to provide full width coverage on turns requiring fewer passes to achieve optimum compaction results.
- Three speed hydrostatic transmission provides maximum gradeability in low range, optimum performance in medium or work range and top production in high range.
- Short, ten foot inside turning radius, accomplished through 35 degree centerpoint articulation, takes compaction up to tight, curving curblines.
- Ten degrees oscillation assures uniform compaction on irregular surfaces.
- Center swivel seat cockpit design places controls within easy reach and provides excellent visibility in both travel directions.
- Optional heat retention shields help maintain high tire temperatures, preventing asphalt pickup that could damage the mat.
- Optional pressurized water spray system provides efficient water usage, extending time between refills.

Less Service & Maintenance:

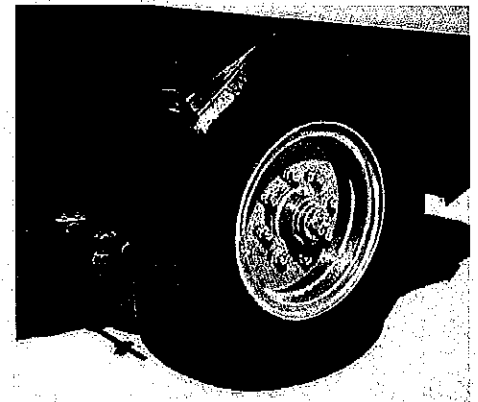
The purchase price is important, but so are the operating costs. Check these features:

- Maintenance-free SAHR brakes are an integral part of the travel motors, allowing an emergency/parking brake provision. Brakes meet highest standards, ISO 3450.
- Wide opening engine hood allows easy access for servicing.
- Maintenance and check points are accessible while standing on the ground.
- The heavy duty, maintenance free centerpoint oscillating and articulating centerjoint provides long life.
- Self-lubricating bushings are virtually maintenance-free.
- The frame is constructed of heavy steel plate to provide maximum strength and durability.

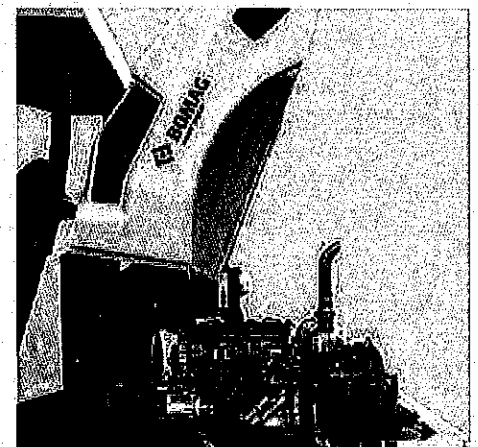
Best for **COMPACTION**



Cockpit design places controls within easy reach and provides unobstructed visibility



Cocoa mats on each tire help eliminate material pick-up



Easy access means fast servicing

With these features and many more, it's easy to see why this model maintains a high residual value while delivering lower lifetime operating costs.

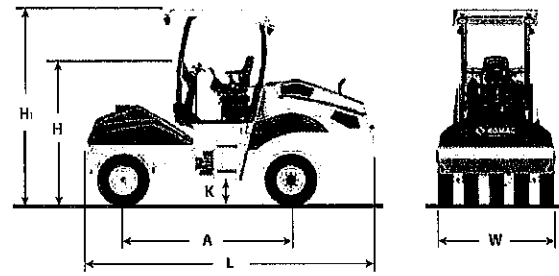
APPENDIX B

Technical Specifications

BW11RH-5

Shipping dimensions

in cubic feet (m³)	without	with ROPS/FOPS
BW11 RH-5	568.7 (16.1)	824 (23.3)



Dimensions in inches (mm)

	A	H	H ₁	K	L	W
BW11 RH-5	100 (2540)	82 (2083)	113 (2870)	13 (330)	173 (4445)	68 (1727)

Standard equipment

- ☒ Hydrostatic transmission
- ☒ Tier 4 final Kubota Diesel Engine
- ☒ Nine 7.50 x 15, 14 ply tires
- ☒ Fuel gauge
- ☒ Horn
- ☒ Hydrostatic, center articulated steering with $\pm 10^\circ$ frame oscillation
- ☒ Rear wheel oscillation:
 - $\pm 4^\circ$ outside
 - $\pm 5^\circ$ center
- ☒ Spring-Applied, Hydraulically-Released (SAHR) brakes
- ☒ 150 gallon polyethylene water tank
- ☒ Roll-Over, Falling-Object Protective Structure (ROPS/FOPS) and seat belts

Optional equipment

- ☒ Cabin with heat & air
- ☒ Headlights (front and rear)
- ☒ Turn signals and 4-way flashers
- ☒ Rear view mirrors
- ☒ Pressurized water spray system
- ☒ Radial Tires w/ approx. 14 ply rating
- ☒ Steel ballast

Technical data

Weights

Basic/Shipping weight.....	lb (kg)	11075 (5022)
Operating weight (unballasted).....	lb (kg)	12231 (5547)
Operating weight (max. allowable ballast) w/ ROPS/FOPS.....	lb (kg)	20000 (9054)
Operating weight (max. allowable ballast) w/ seat belts.....	lb (kg)	20000 (9054)
Average wheel load, (max.).....	lb (kg)	2222 (1006)

Dimensions

Working width.....	in (mm)	68 (1727)
Wheel track overlap.....	in (mm)	0.5 (12.5)
Height with ROPS/FOPS.....	in (mm)	113 (2870)
Track radius, inner.....	in (mm)	122 (3099)
Dimensions.....		see sketch

Driving Characteristics

Speed (low).....	mph (kmph)	8.0 (12.9)
Speed (medium).....	mph (kmph)	10.5 (16.9)
Speed (high).....	mph (kmph)	15.5 (25.0)

Drive

Engine manufacturer.....	Kubota	
Type.....	V3307	
Emissions Standard.....	Tier 4 final	
Cooling.....	water	
Number of cylinders.....	4	
Performance SAE J1995.....	hp (kW)	74 (55)
Speed.....	rpm	2600
Fuel.....	diesel	
Electric equipment.....	V	12
Drive system.....	hydrostatic	
Driven axles.....	front	

Tires

Number of tires, front/rear.....	5/4
Tire size	7.50 x 15, 14 ply
Oscillation of tires front, outside/center..... deg	4/5

Brakes

Service brake.....	hydrostatic
Secondary/Parking brake.....	SAHR

Steering

Steering system.....	oscillating, articulating
Steering method.....	hydrostatic
Steering angle +/-..... deg	35
Oscillating angle +/-..... deg	10

Water Spray System (optional)

Type of water spray system.....	pressurized
---------------------------------	-------------

Capacities

Fuel.....	gal (l)	50 (190)
Water.....	gal (l)	140 (532)
Engine oil.....	gal (l)	2.5 (9.5)
Hydraulic fluid.....	gal (l)	28.5 (108)

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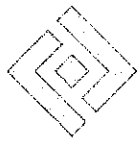
BW11 RH-5



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BOMAG Americas, Inc.
125 Blue Granite Parkway
Ridgeway, SC 29130 • Tel: 803 337-0700

APPENDIX C

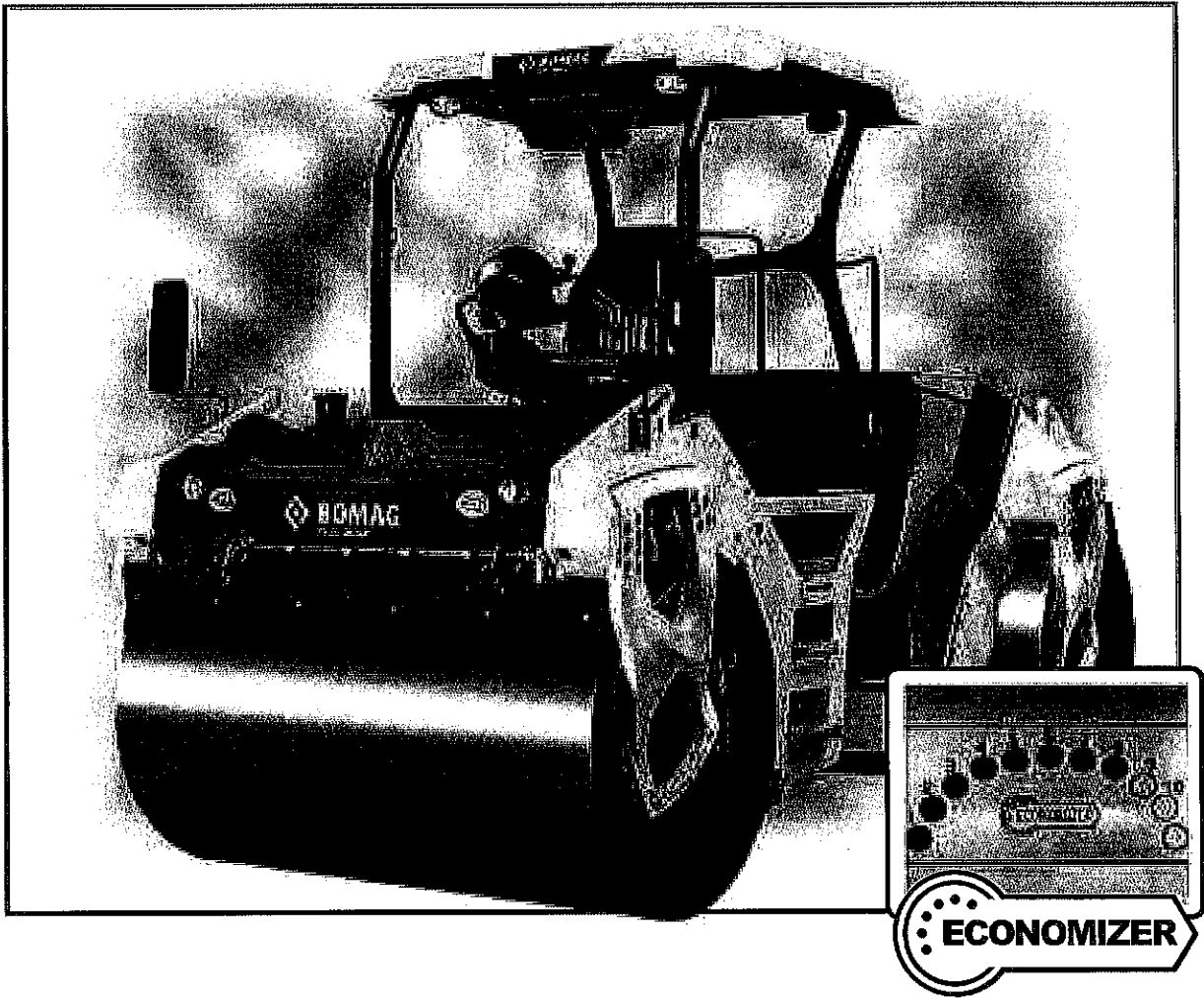


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APPENDIX C

Tandem Vibratory Rollers

~~BW161AD-5 HF, BW190AD-5 HF~~



KEY FEATURES

- 2 Amplitudes / 2 Frequencies
- Kubota Tier 4i engine
- ECOMODE
- ECONOMIZER option
- Visible sightlines to drum edge
- Open operator's platform
- 180 degree swivel operator's seat
- Crab walk option

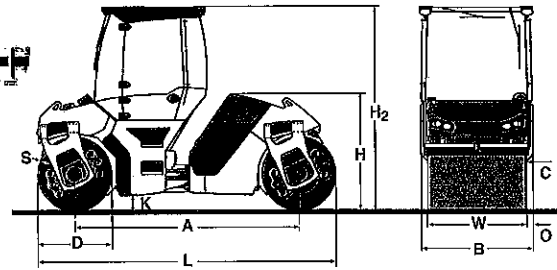
APPENDIX C

Technical Specifications

~~BW161AD-5 HF, BW190AD-5 HF~~

Shipping dimensions

in cubic feet (m³)	with ROPS	without ROPS
BW161AD-5 HF	957.1 (27.1)	726.5 (20.6)
BW190AD-5 HF	1119 (31.7)	849.1 (24.0)



Standard Equipment

- ☒ 2 amplitudes / 2 frequencies
- ☒ Automatic vibration operation
- ☒ Individual vibration control
- ☒ Adjustable driver's seat - 180 degrees
- laterally slidable with steering wheel
- ☒ On-board indicators
- engine speed, speedometer, fuel consumption, engine temperature
- ☒ Pressure sprinkling system with 2 pumps
- ☒ Low water level indicator
- ☒ Indicator and hazard lights
- ☒ Back-up alarm
- ☒ Battery disconnect switch
- ☒ Storage for documents and tools
- ☒ Emergency stop button
- ☒ ROPS/FOPS w/ safety belt

Optional Equipment

- ☐ ~~ECONOMIZER~~
- ☐ ~~Asphalt temperature display~~
- ☐ ~~ROPS cab w/ seat belts~~
- ☐ ~~4 working head lights~~
- ☐ ~~Air conditioning w/ cab option~~
- ☐ ~~Radio w/ cab option~~
- ☐ ~~2 LED lights for cab roof (flashed)~~
- ☐ ~~Edge sensor~~
- ☐ ~~Curb walls on both sides 6.7 in (170 mm)~~
- ☐ ~~Lighting for drum edge front and rear~~
- ☐ ~~Seat heating~~
- ☐ ~~Outside mirrors~~
- ☒ Rotary beacon
- ☒ Environmentally friendly hydraulic oil
- ☐ ~~BOMAG TELEMETRIC POWER~~

Dimensions in inches (mm)

	A	B	C	D	H	H2	K	L	O	S	W
BW161AD-5 HF	142.5 (3620)	72.3 (1836)	26.4 (670)	48 (1220)	91.1 (2315)	120.1 (3050)	9.8 (250)	190.6 (4840)	3.1 (78)	0.67 (17)	66.1 (1680)
BW190AD-5 HF	142.5 (3620)	72.3 (1836)	26.4 (670)	48 (1220)	91.1 (2315)	120.1 (3050)	9.8 (250)	190.6 (4840)	3.1 (78)	0.67 (17)	66.1 (1680)

Technical Data

Weights

Operating weight with ROPS.....	lb (kg)
Operating weight with cab.....	lb (kg)

BOMAG

BW161AD-5 HF

21600 (9800)
22045 (10000)

BOMAG

~~BW190AD-5 HF~~

26130 (11850)
26380 (12050)

Drive

Engine manufacturer.....	Kubota
Type.....	V3800 CR-TI
Emission stage.....	Tier 4i
Cooling.....	water
Number of cylinders.....	4
Performance ISO 14396.....	hp (kW)
Speed.....	rpm
Electric equipment.....	V

114 (85)
2600
12

114 (85)
2600
12

Brakes

Service brake.....	hydrost.
Parking brake.....	multi disc

hydrost.
multi disc

hydrost.
multi disc

Steering

Steering system.....	oscil. artic.
Track radius, inner.....	in (mm)
Lateral displacement right/left (crab steer option).....	in (mm)

oscil. artic.
192.1 (4900)
6.7 (170)

oscil. artic.
192.1 (4900)
6.7 (170)

Exciter system

Vibrating drum.....	front + rear
Automatic vibration shut off.....	standard
Frequency.....	vpm (Hz)
Amplitude.....	in (mm)
Centrifugal force.....	lb (kN)

front + rear
standard
3000/4200 (50/70)
0.023/0.010 (0.6/0.26)
22706/19109 (101/85)

front + rear
standard
3000/4200 (50/70)
0.023/0.010 (0.6/0.26)
22706/19109 (101/85)

Capacities

Fuel.....	g (l)
Water.....	g (l)

38.3 (145)
198.1 (750)

38.3 (145)
198.1 (750)

Technical modifications reserved. Machines may be shown with options.



BOMAG
FAYAT GROUP

BOMAG Americas, Inc.
125 Blue Granite Parkway
Ridgeway, SC 29130 • Tel: 803 337-0700

2M0315PPG 92110, 92112 R1

APPENDIX C

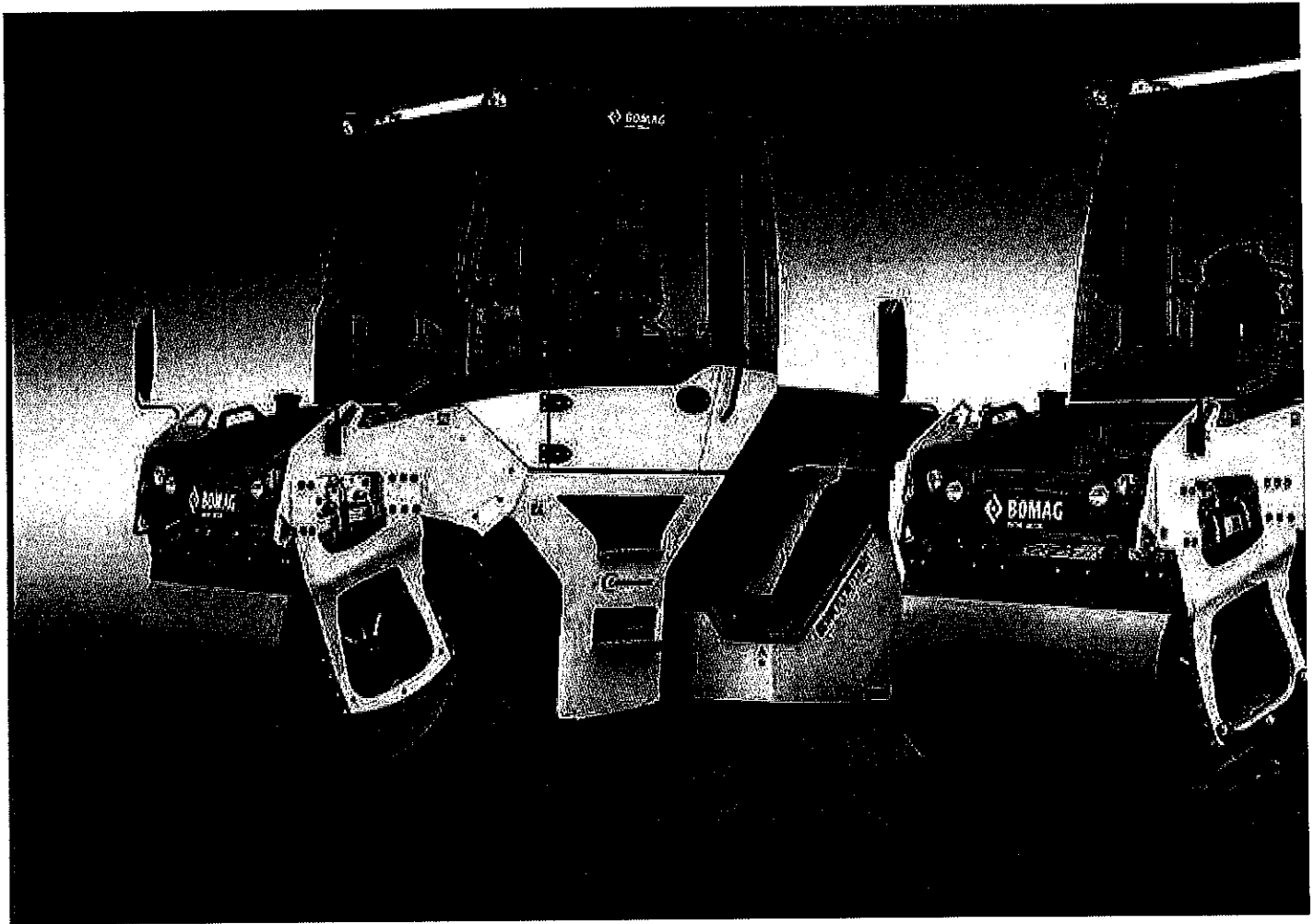


SUPERIOR TECHNOLOGY. OPTIMAL COMPACTION.

ARTICULATED TANDEM ROLLERS, 15,000 LB AND OVER.



APPENDIX C



ENHANCING PRODUCTIVITY.

ASPHALT COMPACTION WITH BOMAG EXPERTISE.

Better is the enemy of good. With this motto, BOMAG has developed, designed and built compaction equipment for the last 60 years. Our engineers strive to make each new model generation a little better, more economical and productive than the previous generation. And they always pursue one target: a BOMAG must be able to finish work quicker, more comfortably and professionally.

The close contact we maintain with our customers helps us to find ways to achieve true increases in productivity, enabling you to complete your work perfectly and productively.

With ECONOMIZER, TanGO and ~~ASPHALT-MANAGER~~ we have once again set new standards and demonstrated that real innovation always meets a need: not just what is technically feasible: practicality means progress.

APPENDIX C



With an operating weight of 15,000 lb and above, BOMAG tandem rollers are the first choice for many applications. With cab or ROPS, productivity and operating comfort is always there.

Trust in the expertise of our engineers and the strength of our sales and service network. Trust in proverbial BOMAG quality. Because at BOMAG we concentrate on just one target: enhancing your productivity.



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FIVE GOOD REASONS TO CHOOSE BOMAG.

1

MAINTENANCE: FAST!

Daily maintenance is essential and with EasyService all maintenance points can be easily reached from the ground. And without any grease nipples.

5

ECONOMY: OUTSTANDING!

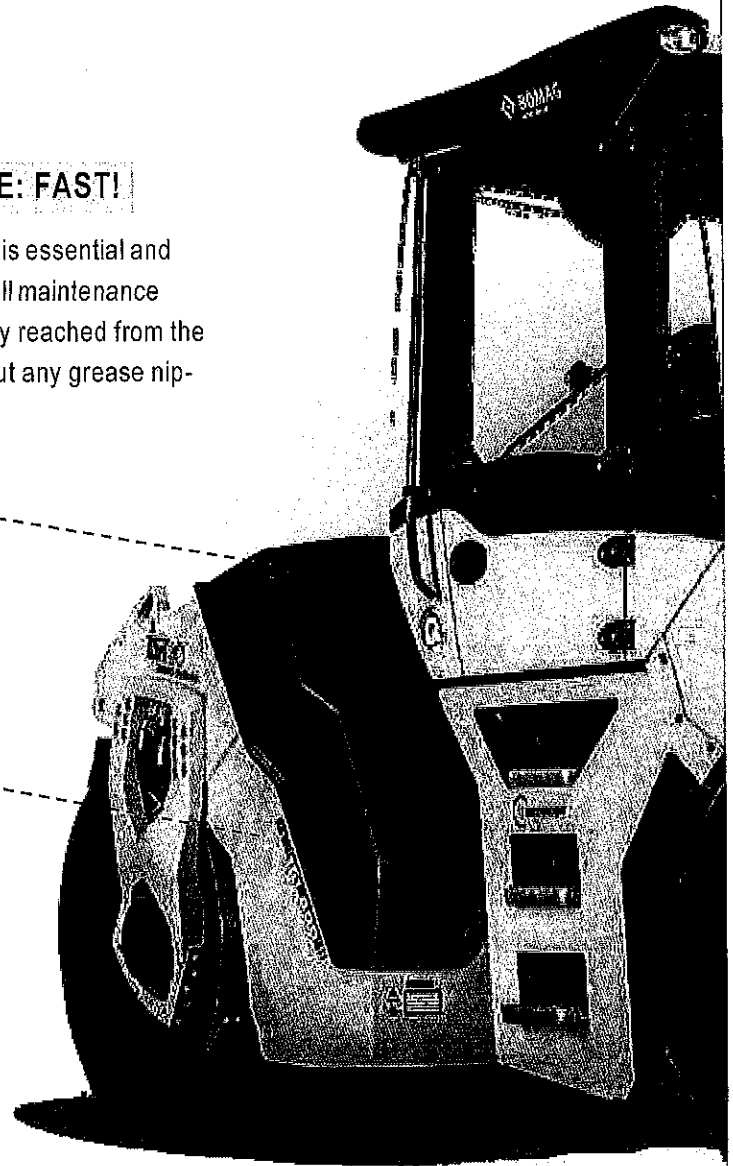
ECOMODE provides load-dependent and economical working without high engine speeds. Giving excellent fuel economy and maximum efficiency on every type of road construction project.



4

VIBRATION: THREE CHOICES!

Only BOMAG tandem rollers offer you three vibration systems. With double vibration, TanGO and ASPHALT MANAGER you have three technologies to choose from.



APPENDIX C



2

THE DRIVER'S STATION: OPTIMISED!

BOMAG always considers the roller driver. His work place provides the best view and offers space and operating comfort at the highest level. This ensures good workmanship and efficiency.

3

COMPACTION: RIGHT FIRST TIME!

Simple and reliable compaction thanks to ECONOMIZER and BCM. Unnecessary passes are avoided, compaction is accurately documented. Optimised compaction is so easy.



APPENDIX C

YOUR CHOICE.

Each application is different – all construction sites come with new challenges. This is why the right philosophy is not what matters in asphalt compaction, but the right technology! With BOMAG you can choose how to match your operation and your work. We always have the right technology at hand for every application. And all from one source.

TanGO
...BOMAG-Oscillation

ASPHALT MANAGER
VIB

OUR STANDARD: DOUBLE VIBRATION

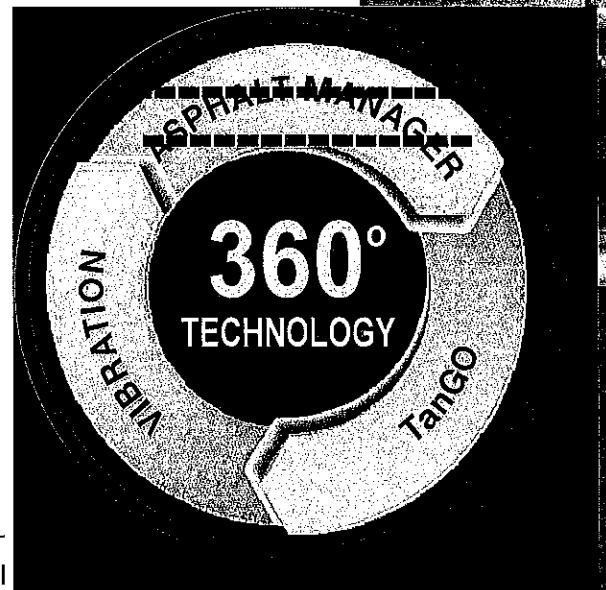
With two amplitudes and individually operable drums, this technology covers a wide range of applications on many projects. Proverbial BOMAG quality goes without saying and our equipment specs meet every requirement.

FOR SENSITIVE WORK: TanGO

Wherever careful compaction is required, TanGO oscillation from BOMAG is the answer. The high wear-resistant drums and a factory warranty of 8,000 operating hours always put you on the safe side.

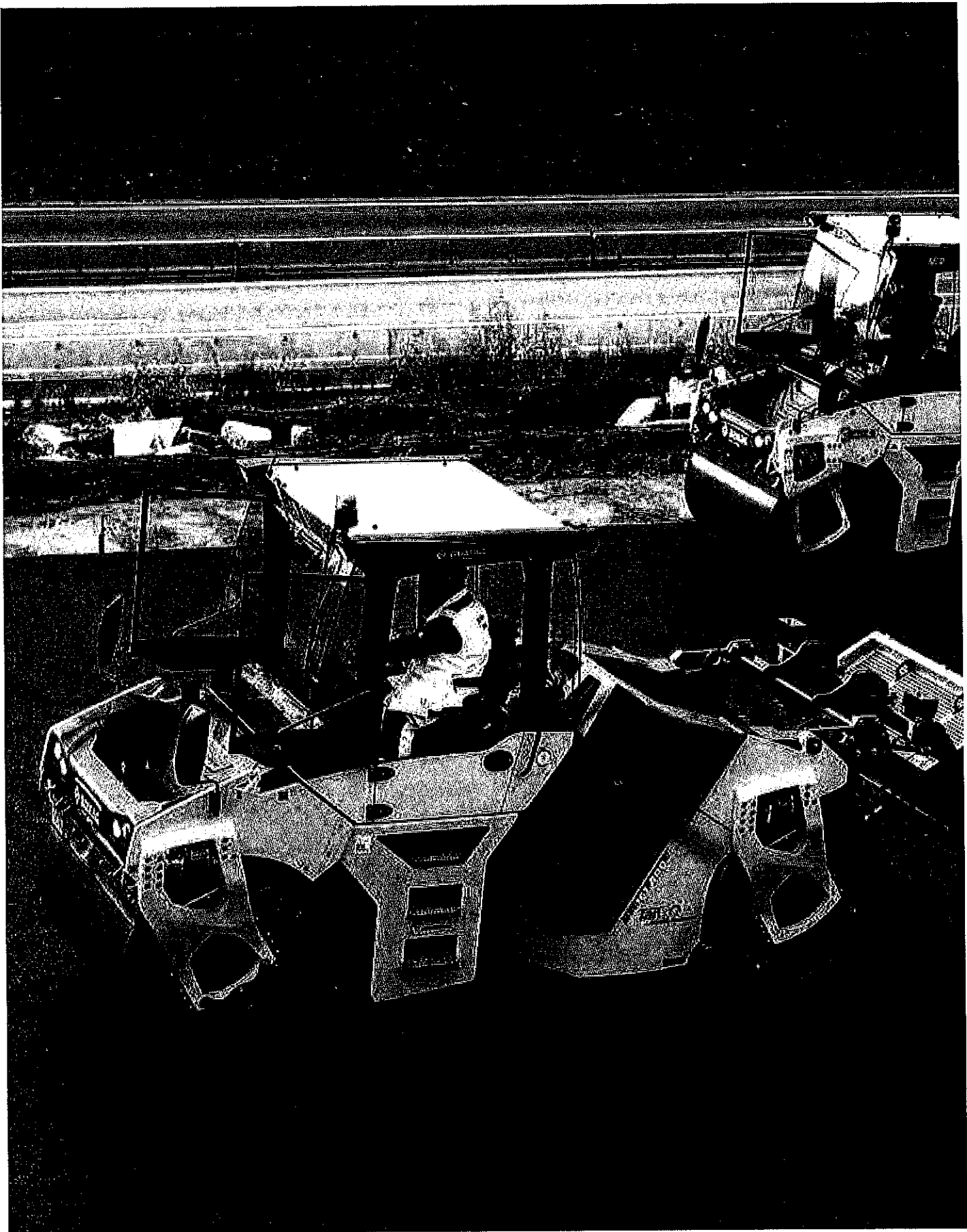
NO MORE GUESSEWORK – ASPHALT MANAGER

Exclusively from BOMAG. This is a Manager that you really can trust. Dial in the layer thickness and off you go. Everything is controlled and monitored by the ASPHALT MANAGER. material, degree of compaction, temperature, control of the direction of compaction. The roller can just concentrate on the job and not on the machine. And so, with colleagues on interconnected rolling operations.

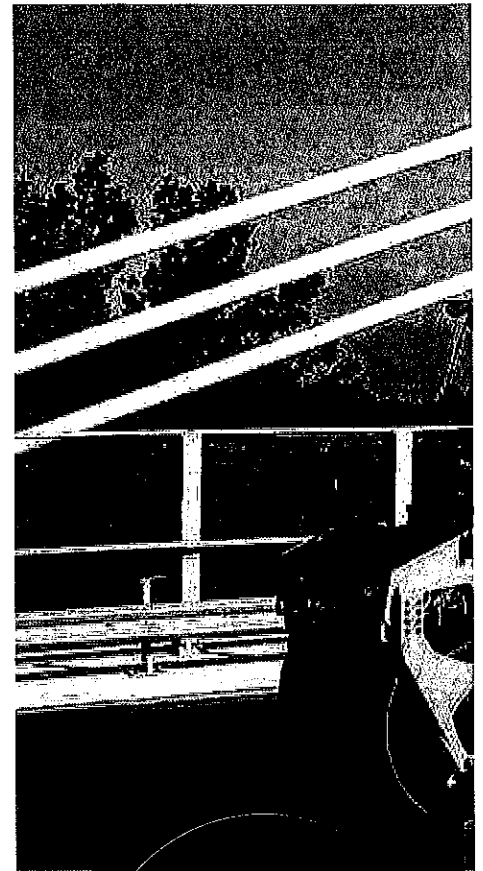
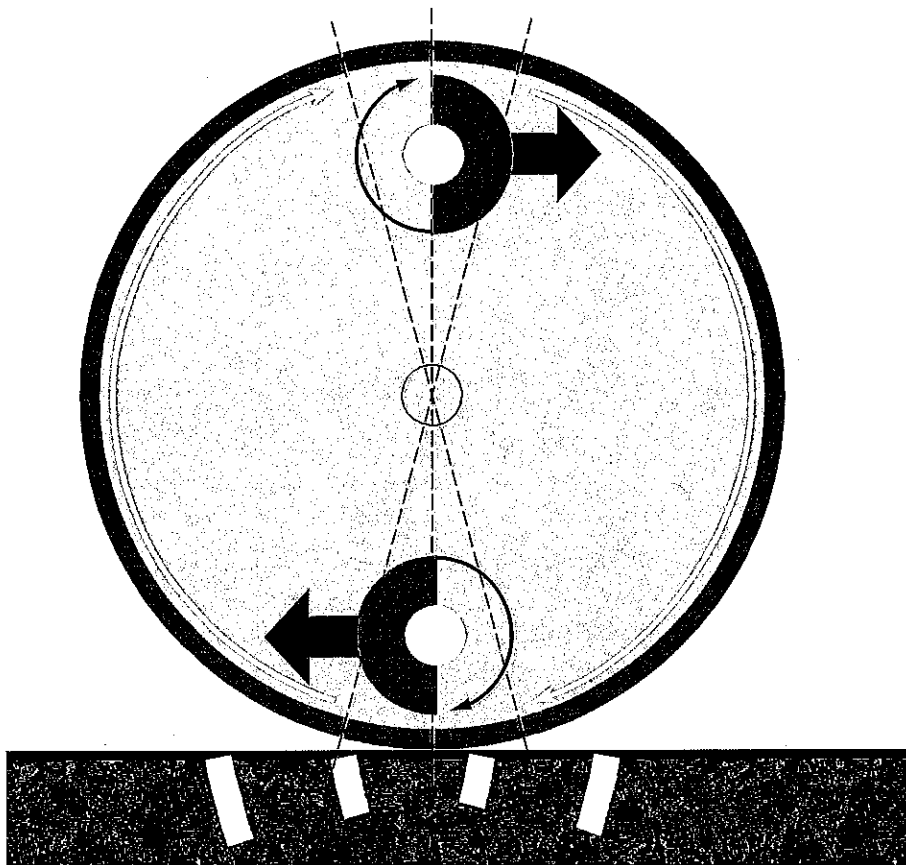


Which manufacturer offers a choice of three vibration systems? BOMAG. Because BOMAG knows exactly what every contractor wants.

APPENDIX C



APPENDIX C



THE TECHNOLOGY FOR SENSITIVE ROLLING: TanGO.

360°
TECHNOLOGY

TanGO is the answer when sensitive compaction is needed:

SIMPLE TO USE

TanGO compacts risk-free e.g. on seams, on bridges or near buildings. And even better, TanGO is simple to operate: it comes with only one amplitude, which is optimised for all applications.

ALWAYS CAREFUL

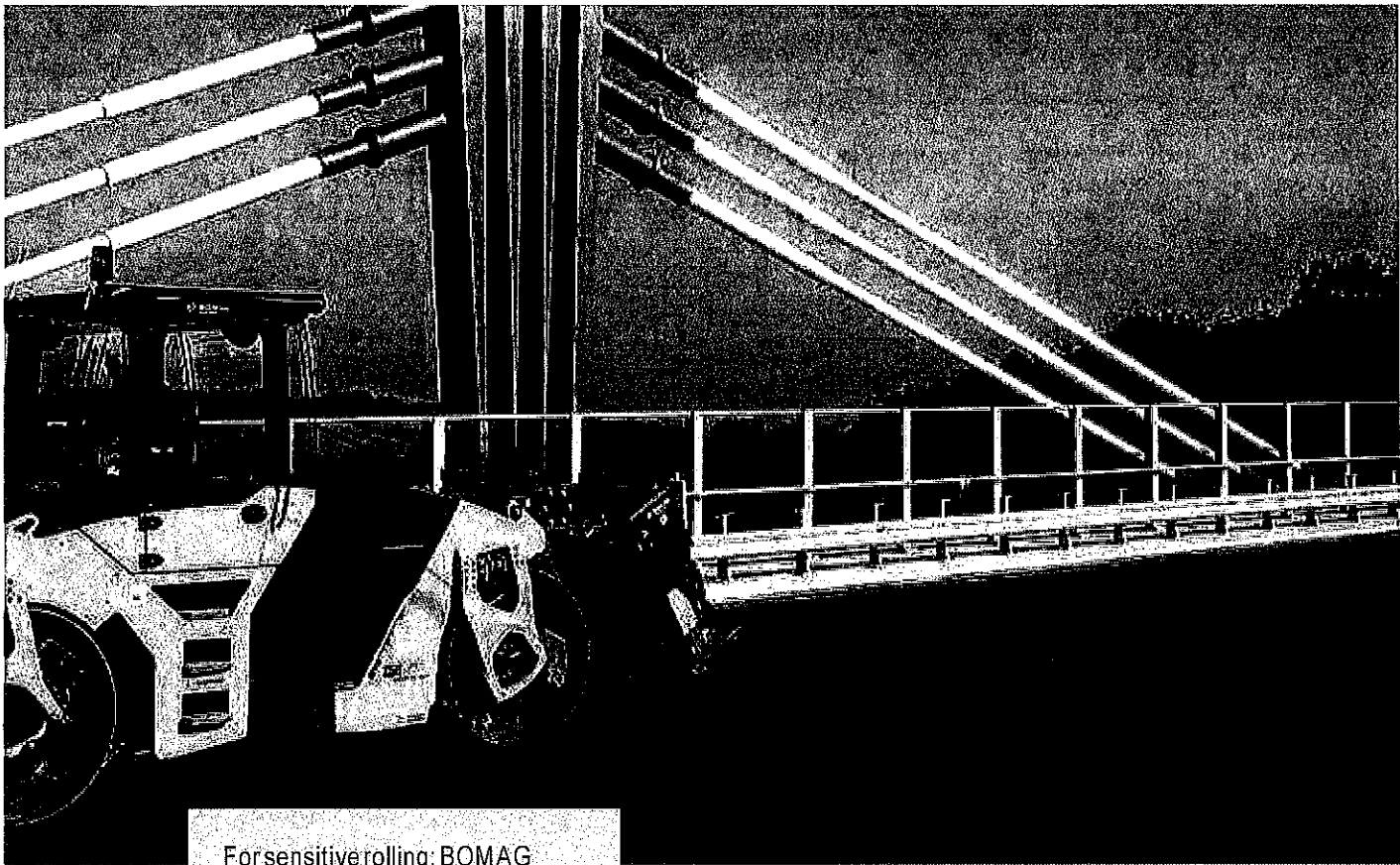
BOMAG tandem rollers with TanGO always compact with care. The drum cannot bounce, TanGO always works tangential to the surface. This has two advantages:

on one hand there is no crushing of aggregate; on the other hand no bow waves are created, even when working at higher working speeds. The TanGO drum is in the rear of the machine, so the front vibrating drum can be used for thicker layers or so the front vibrating drum can be used for thicker layers or for applications where additional conventional compaction would be beneficial.

THE CONCEPT

TanGO compaction uses two exciter shafts rotating in the same direction, so that a torque is generated around the drum axis. The drum quickly keeps alter-

APPENDIX C



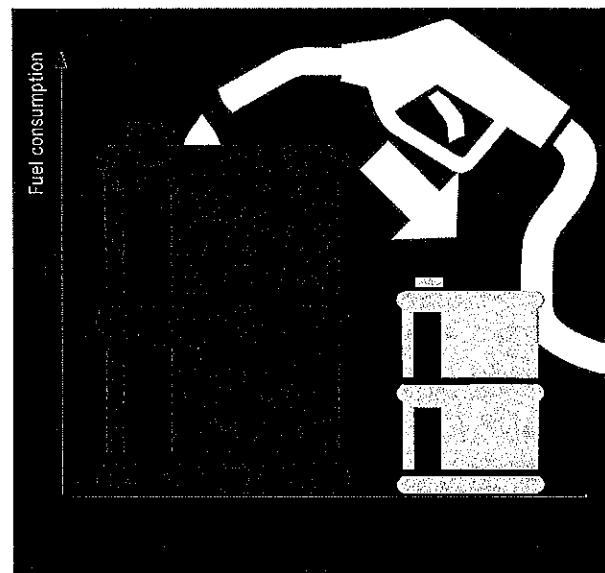
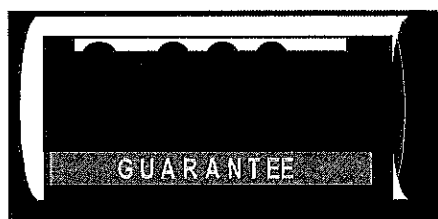
For sensitive rolling: BOMAG tandem rollers with TanGO oscillation. Careful compaction on seams & bridges.

nating its effective direction tangentially to the contact surface (forwards and backwards). The mat is actually compacted with double frequency.

HIGHEST QUALITY

Others talk about quality. BOMAG guarantees quality: the TanGO drum is made of highly wear-resistant fine grain steel. So BOMAG can guarantee a lifetime of at least 8,000 hours. Others can only be amazed...

TanGO
...BOMAG-Oszillation

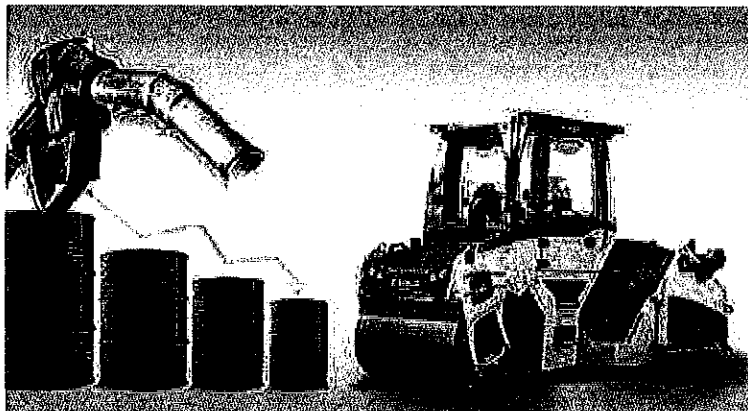


Compared with conventional oscillation rollers, TanGO consumes less fuel. Because BOMAG makes such good use of physics, the unbalanced masses are arranged towards the outside, reducing inertia forces and requiring less energy.

APPENDIX C

SAVING WITH EVERY PASS.

Fuel costs are one of the major items in the calculation of operating costs for any machine, because over its lifetime, in most cases, they will exceed the purchasing price. BOMAG engineers have addressed this with BOMAG ECOMODE, an energy efficiency system, which saves significant gallons of fuel per year – every year. This reduces the operating costs and aids the environment.



THE ADVANTAGES:

- ❑ Load-dependent engine speed control saves up to 30% fuel
- ❑ Less noise eases stress on the driver and environment
- ❑ Idle speed shut-down reduces wear and operating costs and increases resale values

SMART CONTROL.

Conventional rollers always work with full engine speed to reach vibration frequency. BOMAG ECOMODE controls the engine in relation to load to give the exact actual power needed. The vibration frequency is maintained at a constant level by infinitely adjusting the hydraulic components. This keeps the overall system within the optimum power range and fuel consumption is reduced, without losing power and productivity. A positive side effect: with reduced speed the machine works more quietly. This is not only beneficial for the crew on site, it has a positive effect on acceptability of urban projects.

SMART SHUT DOWN.

BOMAG ECOSTOP shuts the engine down after a defined period of time at idle speed with consideration for parameters like temperature, battery, etc. Unnecessary fuel consumption is avoided and the operating hour meter stays low.

ENVIRONMENTAL PROTECTION AS STANDARD.

Depending on the power class, SCR catalysts and/or particulate filters are being used to reduce pollutants. Maintenance is minor, because the filter regenerates automatically during operation. No action is required from the driver. In models with SCR- catalyst, the tank capacity for the additive (AdBlue®) is rated so that it only needs to be replenished about every third refueling.

APPENDIX C

WAIT NO LONGER!

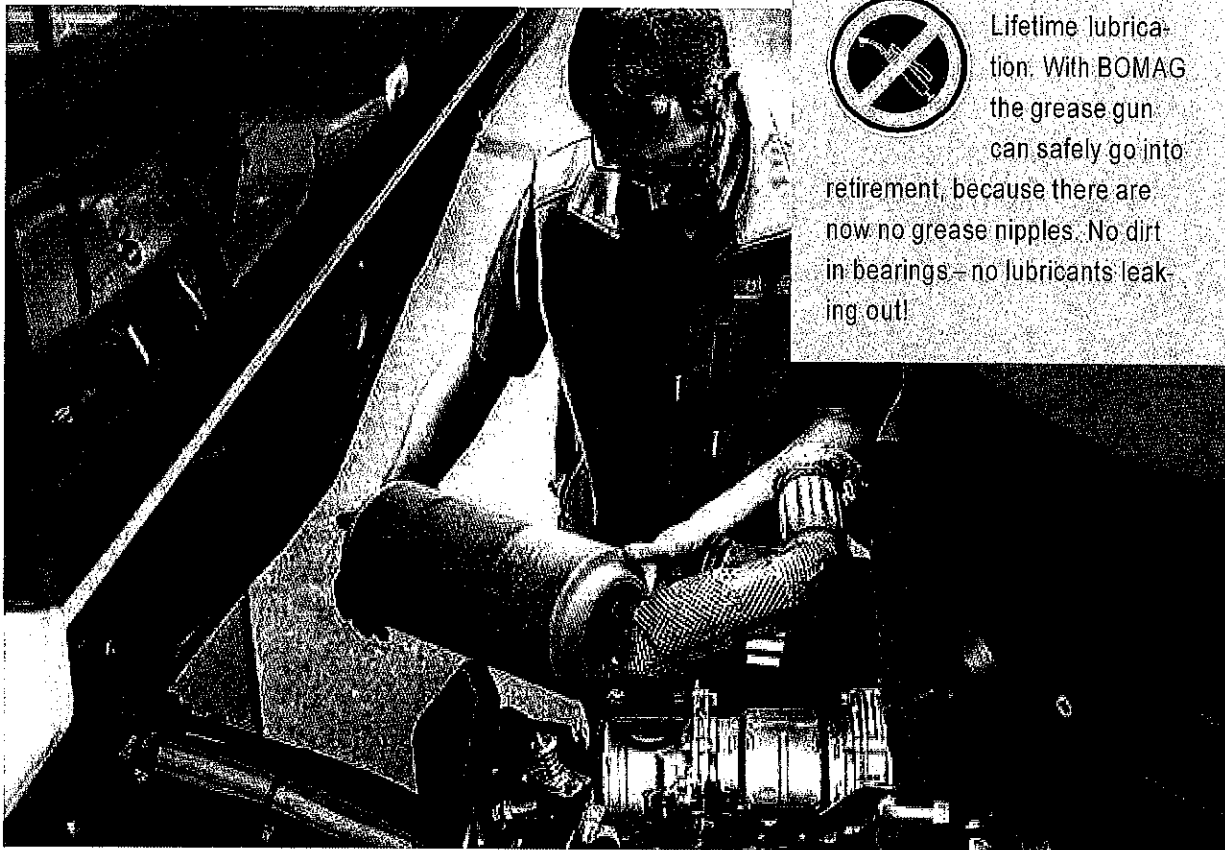
BOMAG tandem rollers are efficient to service because the easiest and most cost effective service is one that is not necessary. So BOMAG tandem rollers don't need a single grease nipple.

BOMAG engineers always have practical use in mind. Experience has shown that the BOMAG EasyService concept with no grease nipples maximizes reliability. Special bearings with hermetic sealing and a permanent high-quality grease filling guarantee reliable lifetime lubrication. And, another side effect, the machine stays clean.

BOMAG EasyService also means easy access to all maintenance points, which can be comfortably reached from the ground. The single-unit hood made of composite material with strong gas springs swings up readily and reveals the entire engine compartment. All fluids can be reliably and neatly drained through external drains.



Easy refilling with a folding step.



Lifetime lubrication: With BOMAG the grease gun can safely go into retirement, because there are now no grease nipples. No dirt in bearings – no lubricants leaking out!

APPENDIX C

GOOD WORKMANSHIP IS MEASURABLE.

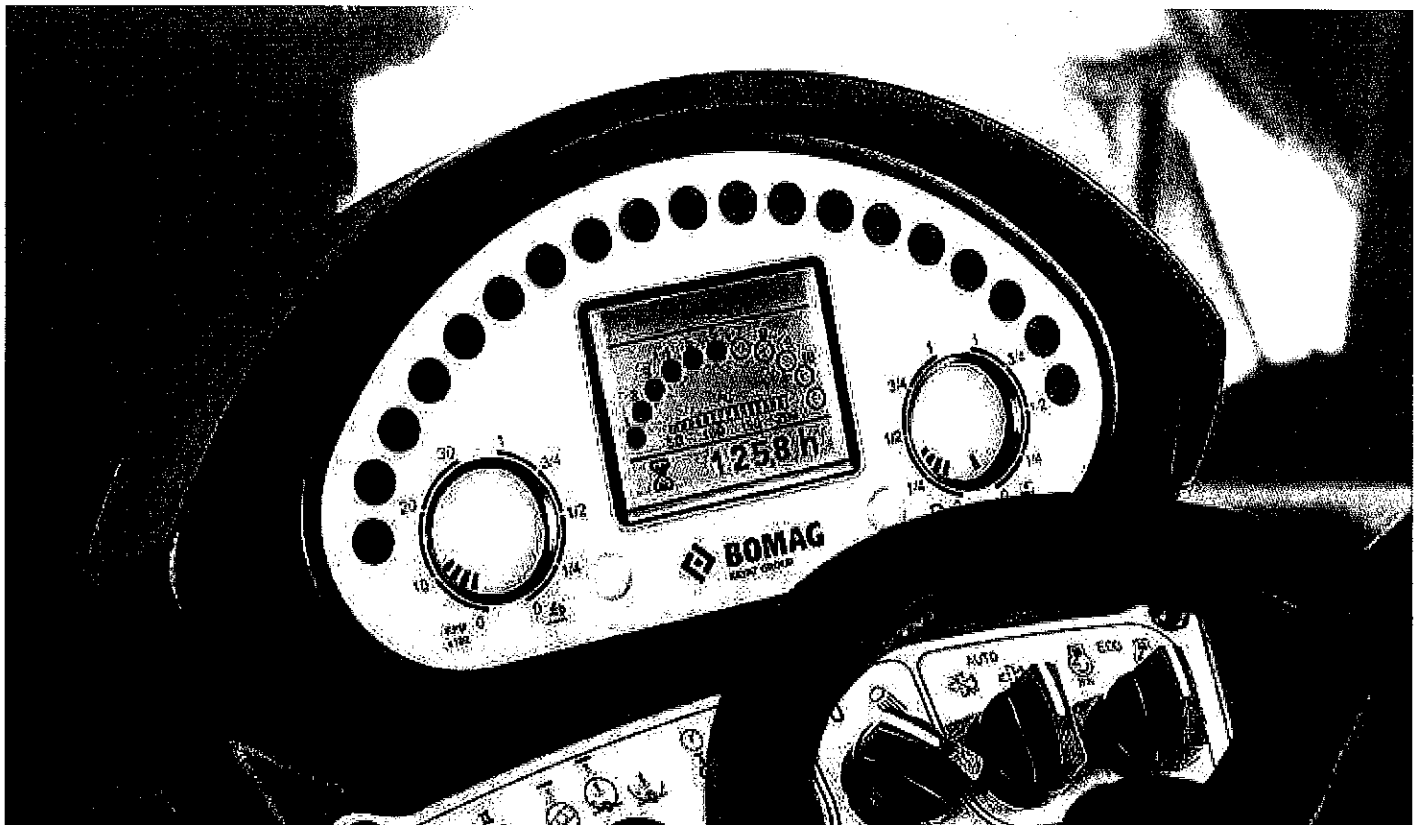
When has the right compaction for the material been reached? Only someone who knows the degree of compaction can make the right decision. Nowadays no one has the time and money to spend on unnecessary passes. BOMAG is a pioneer in measuring technology for compaction, which helps many operators to achieve optimum compaction results while still saving time and money. Minimum passes for maximum compaction.

A BOMAG DRIVER KNOWS WHEN COMPACTION IS FINISHED.

Unique in compaction technology: the ECONOMIZER from BOMAG, integrated in the central display, helps the driver achieve optimum compaction results. Operation is very simple because no activation or calibration is required. The ECONOMIZER automatically determines the compaction progress. A lighting strip informs the driver of the end of compaction, and avoids over-compaction. A warning light additionally indicates any risk of over-compaction. Also, the driver is informed about the optimum speed to use.

COMPACTION IS ACCURATELY DOCUMENTED WITH BCM: BOMAG COMPACTION MANAGEMENT

Many public tenders today ask for complete documentation of all works. BOMAG BCM (BOMAG Compaction Management) helps you to provide dependable documentation of the entire compaction process: a robust tablet PC in the cab and the BOMAG StarFire GPS-receiver are part of the BCM. Based on the GPS-data, the system generates continuous compaction charts in real-time.



APPENDIX C

THREE MODELS TO CHOOSE FROM:

BOM-start

The driver is informed about the number of passes and the asphalt temperature. With a freely definable colour scale he immediately sees where further passes are required. Once compaction is finished, the compacted area appears in green and the driver can be sure that every area has been compacted. All data saved can be passed to the client or monitoring body as a pdf file. BOM-start is a convenient Plug & Play solution also for mixed fleets.

BOM-05

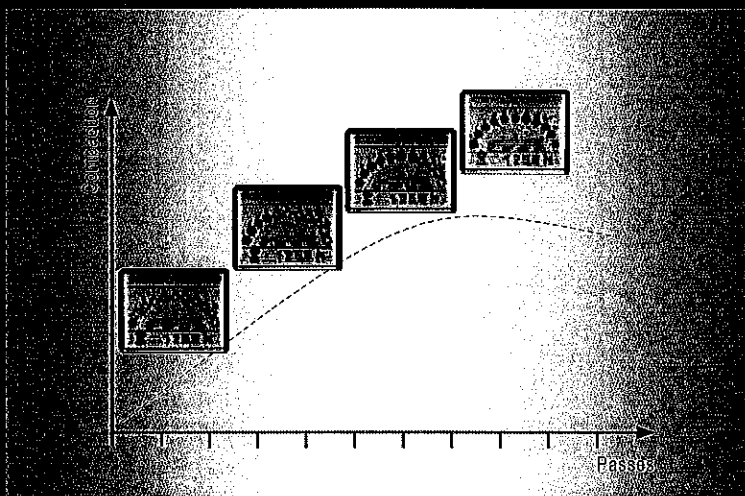
With BOM-05 the stiffness values E_{vir} in N/mm^2 measured by the ASPHALT-MANAGER are additionally documented. The E_{vir} value correlates with the asphalt density. This enables accurate work spot ana-

lysis and the reduction of other test methods. With BOM-05 the BOMAG ASPHALT-MANAGER becomes a real tool for quality assurance.

BOM-net

Asphalt rollers often work in interconnected operations. With BOM-net rollers are interconnected with each other. Each driver is able to see the passes, temperature and E_{vir} values (with AVM) of all machines in different rollers in real time. This optimizes the rolling patterns, even if one roller is e.g. filling water tanks. With BOM-net all data is saved for later evaluation. And machines from different manufacturers can be integrated.

Reliable and effective documentation provides evidence of all work performed. BOMAG has these answers, because BOMAG knows how sites operate.

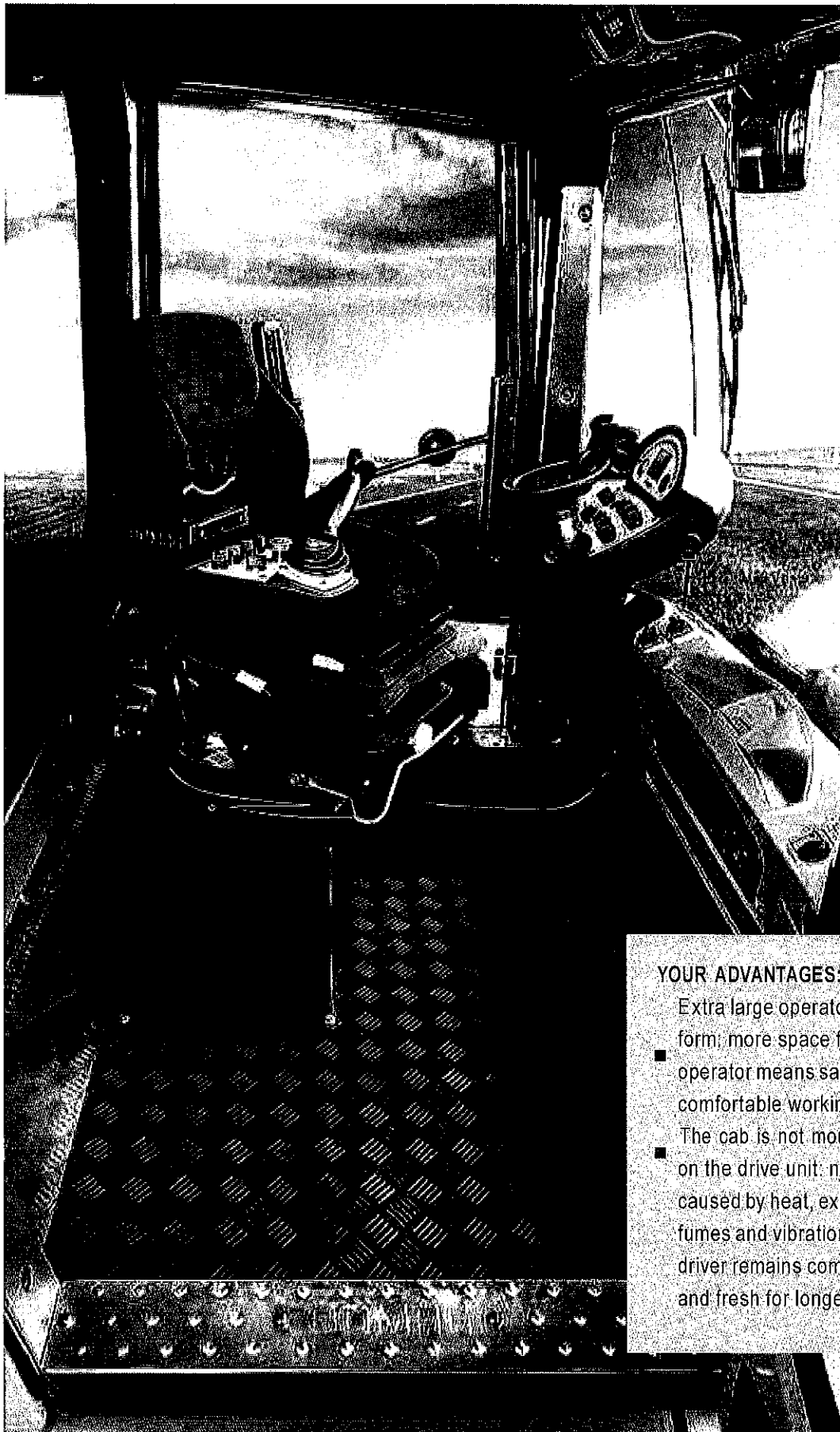


ECONOMIZER knows when full compaction is reached: The lighting strip shows the degree of compaction and warns of over-compaction.



With BOMAG rollers have all the necessary data. Drivers know when full compaction is reached. All passes are required.

APPENDIX C



YOUR ADVANTAGES:

- Extra large operators platform; more space for the operator means safe and comfortable working

- The cab is not mounted on the drive unit; no loads caused by heat, exhaust fumes and vibrations. The driver remains comfortable and fresh for longer shifts.

APPENDIX C

SPACE TO WORK BETTER.

Any machine is only as good as its driver. In any BOMAG tandem roller the driver can feel at home. And satisfied drivers are more productive.

EXCELLENT VISION.

The smart design of BOMAG tandem rollers with sliding seat and folding window always gives an unobstructed view of the drum edges. The driver can work along walls without risk because no parts of the cab or roller project over the sides. He can also keep an eye on the sprinkling system and, with the optional outside mirrors, he has unrestricted all-round vision.

EXTRA SPACE.

The ample space ensures stress-free work, even over longer working days. The powerful heating, also optionally with air conditioning, provides comfortable temperatures and condensation-free windscreens. On BOMAG rollers, engine and cab are separated. The driver is not troubled by cab vibration, noise, heat or exhaust fumes.

ERGONOMIC CONTROL.

The seat unit with steering wheel, operating arm rest and instruments can be moved across the full width of the cab. The seat can swivel 90 degrees in each direction. This gives the driver optimum seat positioning at all times to operate the roller reliably and intuitively. BOMAG's attention to detail also shows here: the cab floor is completely flat and without openings for easy cleaning.

NO CONFUSION.

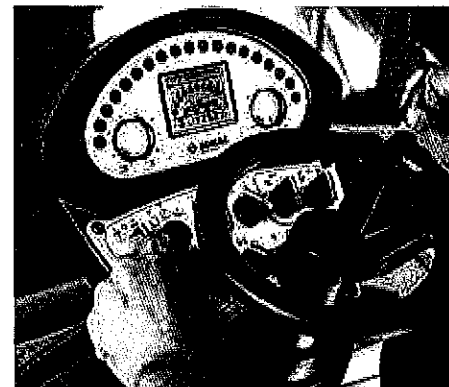
Safe operation even with different drivers: The self-explanatory operation is distinctly marked and the switch setting is always clearly identifiable. The displays indicate the operating status of the machine with clear symbols.



The sliding window and sliding seat ensure maximum comfort.



The driver's seat has ample storage space for tools and equipment.

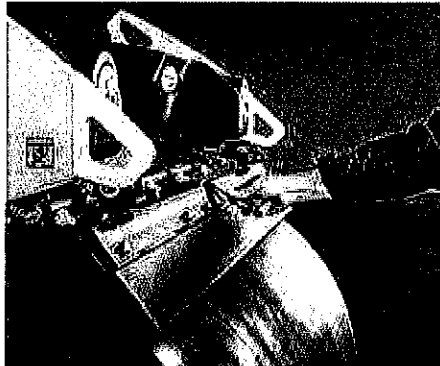


The driver always has all the essential displays safely in view. Operating the switches is simple and quickly becomes second nature.

APPENDIX C

THE DETAIL MAKES THE DIFFERENCE.

Many people build rollers. But only BOMAG build BOMAG rollers. We pay full attention to the small details, to make your work easier. Our engineers are where the action is, to learn from site practice. This knowledge can be found in all of our rollers. Well thought-out, with the highest quality and reliability. Because only BOMAG is BOMAG.



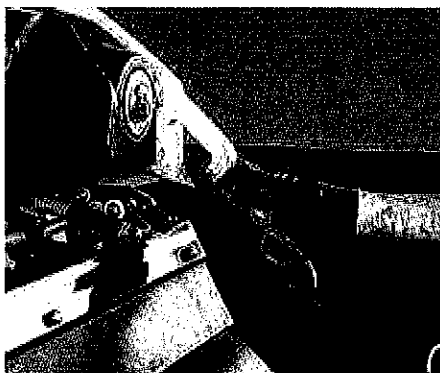
CLEANDRUMS.

Spring loaded, folding polyurethane contact scrapers ensure clean drums and optimum distribution of sprinkled water.



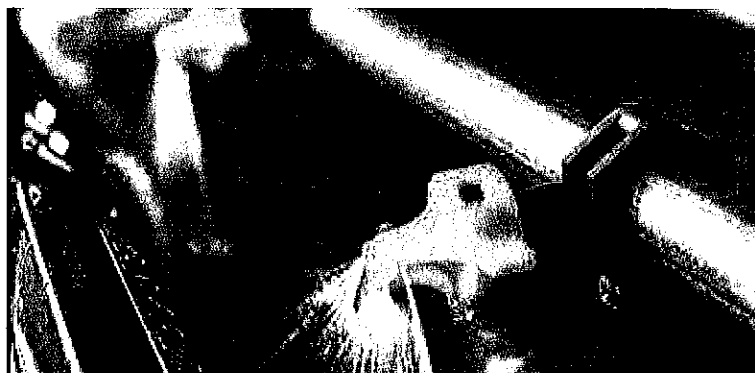
SHIELDED ELECTRICS.

For reliable current flow with no spark risk, all wiring looms are routed through nylon hoses. The central electrical system is installed in the cab, protected against water and dirt.



QUICK TRANSPORT.

Quick relocation off-site because the lashing eyes are amply dimensioned and easily accessible. The articulation lock is easy to operate.



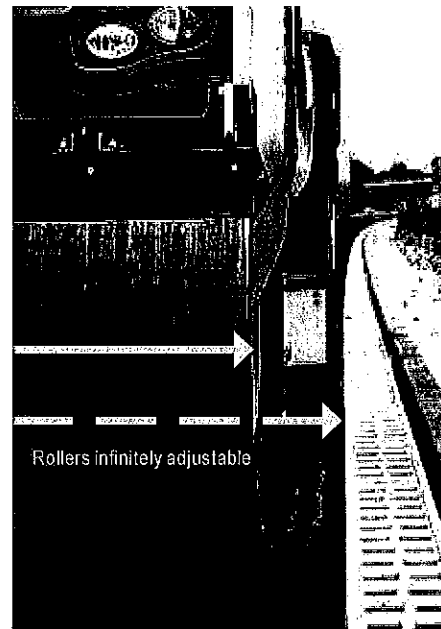
PERFECT SPRINKLERS.

The drum sprinkling system works with two independent pumps. With a high number of nozzles per working width and a filler strainer, the wind protected system and the perfect view of the nozzles maximizes reliability and performance. The interval function reduces water consumption. The low position of the water tanks enhances driving stability and tank drainage is simple and quick.

APPENDIX C

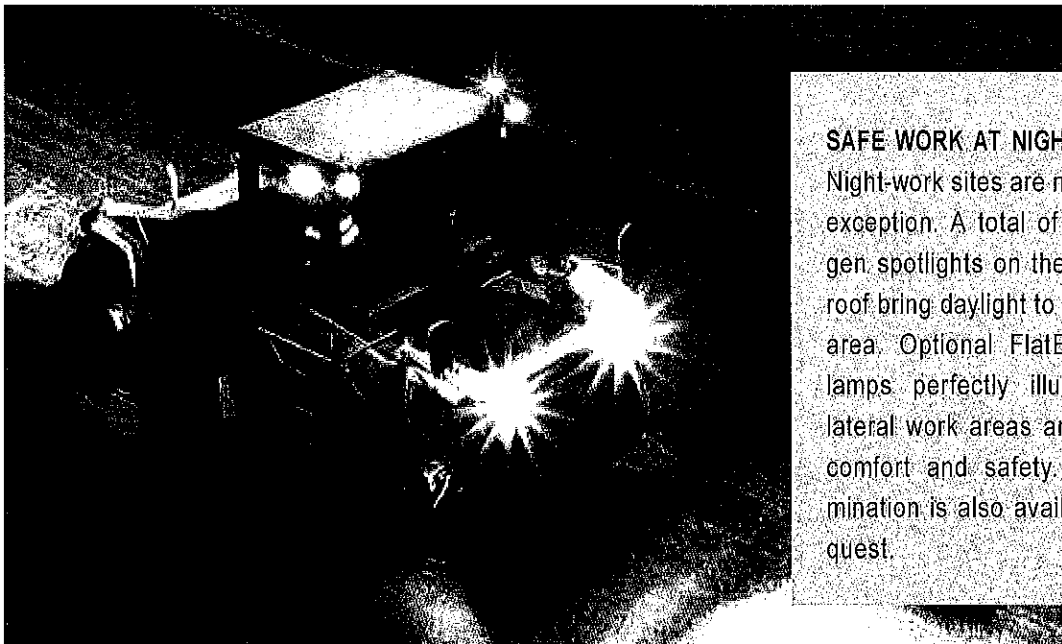
ON A WIDE TRACK.

For work along edges and to increase the working width, the optional crab-walk feature is used to offset drums by up to 6.7 inch on either side



EFFECTIVE FUEL FILTERING.

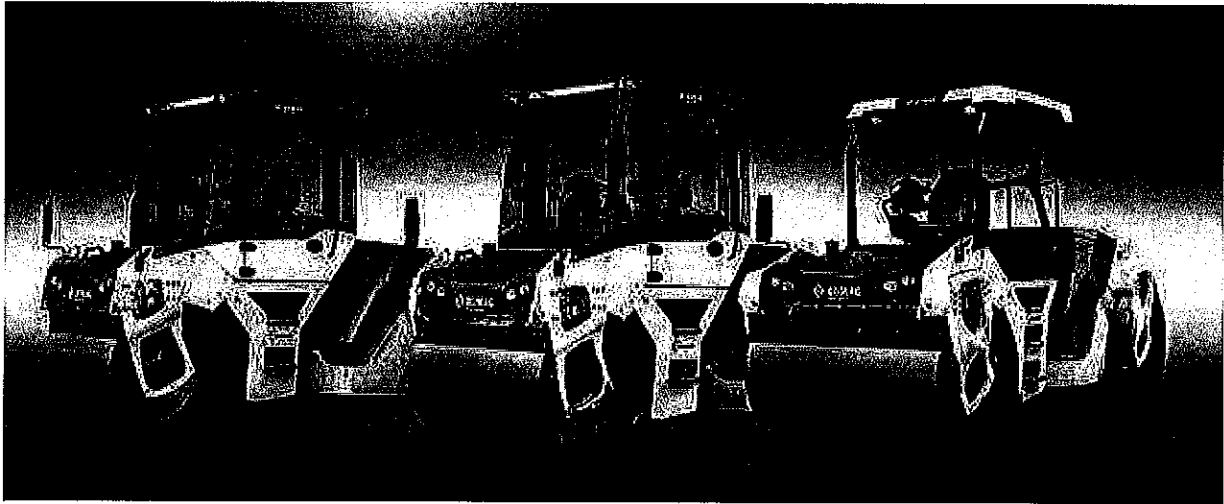
The two-stage fuel filter with water separator and service indicator ensures reliable fuel flow. The air filter has two filter cartridges as standard and two-stage mechanical separation. This reduces maintenance and enhances reliability.



SAFE WORK AT NIGHT.

Night-work sites are no longer an exception. A total of eight halogen spotlights on the frame and roof bring daylight to the working area. Optional FlatBeam LED-lamps perfectly illuminate the lateral work areas and enhance comfort and safety. Drum illumination is also available on request.

APPENDIX C



Model types	Working width [in]	Drum diameter [in]	Operating weight approx. [lb]*
BW151	66.1	48	22,046.2
BW161	66.1	48	22,046.2
BW180	66.1	48	22,046.2
BW151	66.1	48	22,046.2
BW161	66.1	48	22,046.2
BW180	66.1	48	22,046.2

*) Operating weights with cab and basic equipment. Actual operating weight is dependent on equipment and accessories.
 Technical modifications reserved. Machines may be shown with options.

APPENDIX C



APPENDIX D

APPENDIX D



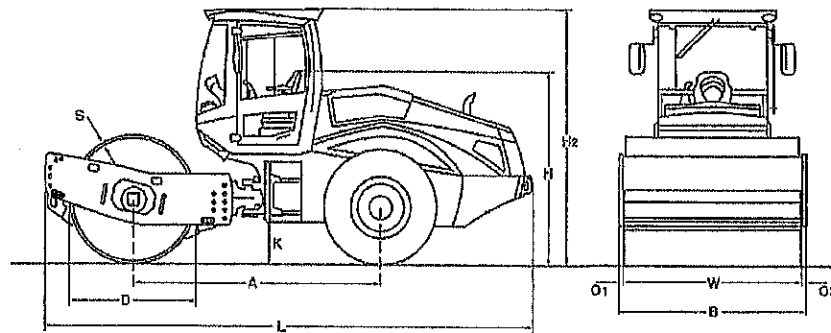
TECHNICAL DATA

SINGLE DRUM ROLLERS

~~BW 211 D-5~~, BW 211 PD-5



APPENDIX D



Dimensions in in

	A	B	D	H	H2	K	L	O1	O2	S	W
BW 211 D-5	117.1	89.4	59.1	89.0	117.7	19.3	231.1	2.8	2.8	1.0	83.9
BW 211 PD-5	117.1	89.4	58.3	89.0	117.7	19.3	231.1	2.8	2.8	1.0	83.9

Shipping dimensions in cub.yd

BW 211 D-5
BW 211 PD-5

without ROPS

39,405
39,405

with ROPS

52,112
52,112

Machine type	Compaction output (cub.yd/h)			
	Rock fill	Gravel, sand	Mixed soil	Silt, clay
BW 211 D-5	523.2-1046.4	353.1-706.3	287.7-575.5	143.9-287.7
BW 211 PD-5	523.2-1046.4	353.1-706.3	287.7-575.5	209.3-418.5

Machine type	Compacted layer thickness (in)			
	Rock fill	Gravel, sand	Mixed soil	Silt, clay
BW 211 D-5	27.6	19.7	15.7	9.8
BW 211 PD-5	27.6	19.7	15.7	9.8

APPENDIX D

Technical Data		BOMAG BW 211 D-5	BOMAG BW 211 PD-5
Weights			
Gross weight	lb	28,418	28,109
Operating weight CECE w. ROPS-cabin	lb	23,369	26,676
Axle load, drum CECE	lb	12,500	15,807
Axle load, wheels CECE	lb	10,869	10,869
Static linear load CECE	lb/in	149.1	
Dimensions			
Working width	in	83.9	83.9
Track radius, inner	in	144.9	144.9
Driving Characteristics			
Speed (1)	mph	0- 3.1	0- 3.1
Speed (2)	mph	0- 3.7	0- 3.7
Speed (3)	mph	0- 5.0	0- 5.0
Speed (4)	mph	0- 6.8	0- 6.8
Max. gradeability without/with vibr.	%	51/48	64/51
Drive			
Engine manufacturer		Deutz	Deutz
Type		TCD 3.6 L4	TCD 3.6 L4
Emission stage		4/4	4/4
Cooling		Liquid	Liquid
Number of cylinders		4	4
Performance ISO 3046	hp	127.4	127.4
Performance SAE J 1995	hp	128.0	128.0
Speed	min-1	2,000	2,000
Fuel		diesel	diesel
Electric equipment	V	12	12
Drive system		hydrost.	hydrost.
Drum driven		standard	standard
Drums and Tyres			
Number of pad feet			150
Area of one pad foot	sq.in		21.2
Height of pad feet	in		3.9
Tyre size		23.1-26 12PR	23.1-26 12PR
Brakes			
Service brake		hydrost.	hydrost.
Parking brake		hydromec.	hydromec.
Steering			
Steering system		oscil.artic.	oscil.artic.
Steering method		hydrost.	hydrost.
Steering / oscillating angle +/-	deg	35/12.0	35/12.0
Exciter system			
Drive system		hydrost.	hydrost.
Frequency	rpm	1,800/2,040	1,800/2,040
Amplitude	in	0.077/0.039	0.067/0.035
Centrifugal force	lb	53,954/35,520	64,071/43,613
Centrifugal force	t	24.5/16.1	29.1/19.8
Capacities			
Fuel	gal	66.0	66.0

Technical modifications reserved. Machines may be altered with options.

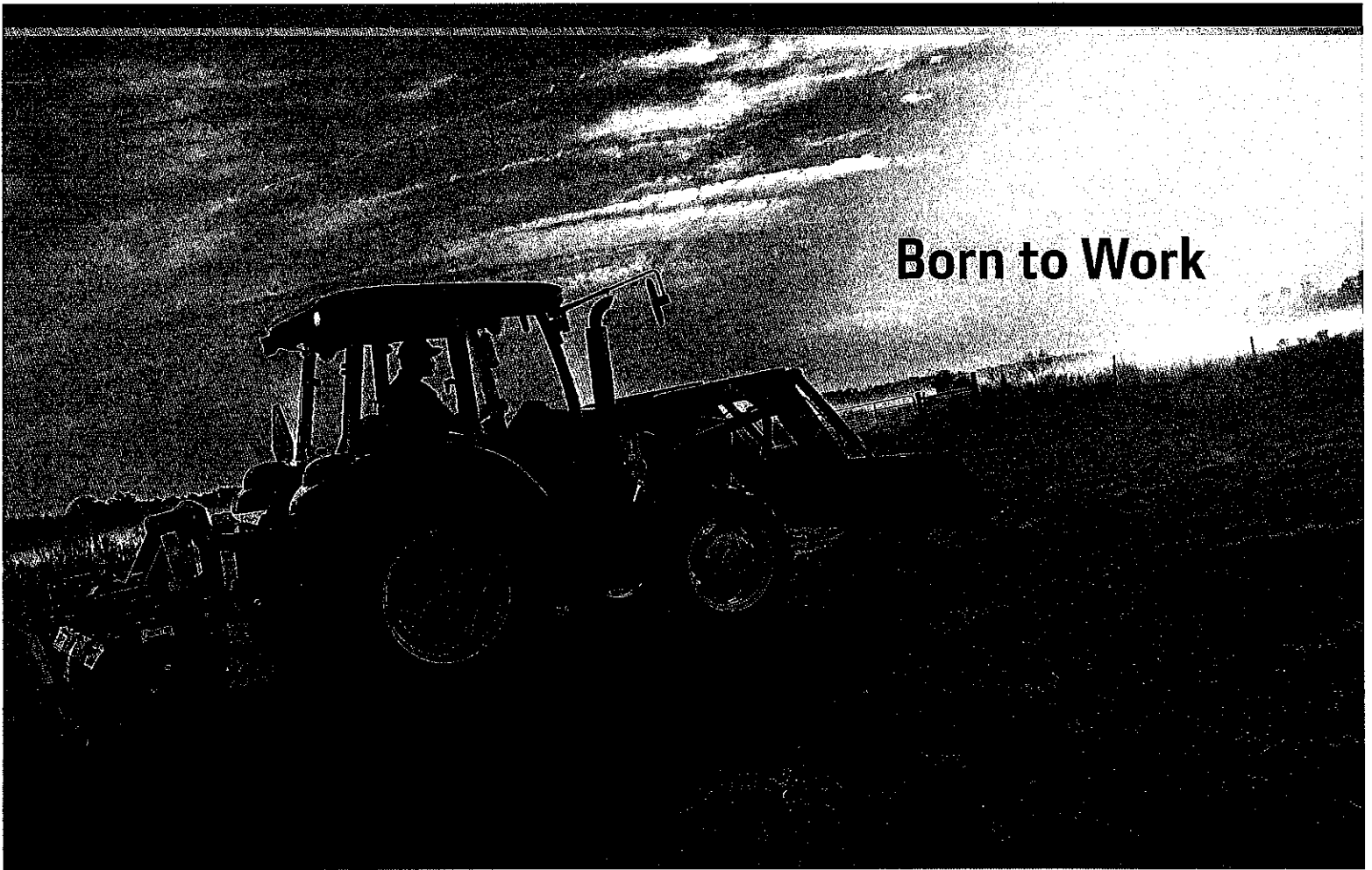
APPENDIX E

5E Utility Tractors

45 – 100 Horsepower Utility Tractors



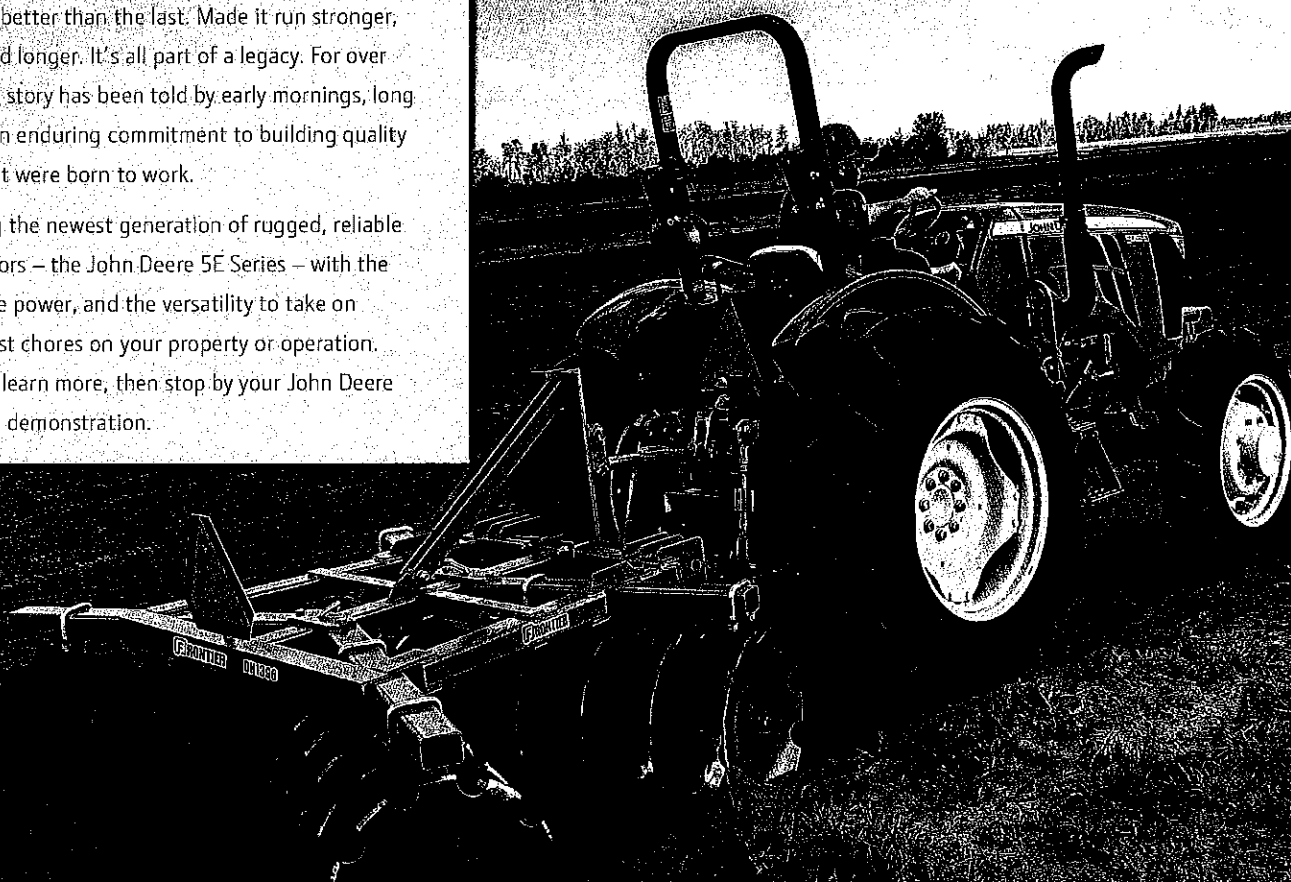
Born to Work



Heat, dust, sweat, cold, rain, mud;

It's all part of the John Deere story. Part of a long, rich history of working the land. It's a teacher. And everything we've learned has made each generation of John Deere equipment better than the last. Made it run stronger, smarter, and longer. It's all part of a legacy. For over 175 years a story has been told by early mornings, long days, and an enduring commitment to building quality tools that were born to work.

Introducing the newest generation of rugged, reliable utility tractors – the John Deere 5E Series – with the options, the power, and the versatility to take on the toughest chores on your property or operation. Read on to learn more, then stop by your John Deere dealer for a demonstration.





CONTENTS

Introduction 2-3

5E Series 4-11

Attachments / Frontier / Loaders 12-13

Specifications 14-15

The 5E Series

3-CYLINDER MODEL	ENGINE HP	PTO HP*
5045E	50	37
5055E	55	41
5065E	67	49
5075E	75	55
4-CYLINDER MODEL	ENGINE HP	PTO HP*
5085E	85	70
5100E	100	74

*5045E PTO horsepower at rated speed Open Station with 9F/3R SyncShuttle™ Transmission. 5055E, 5065E, 5075E PTO horsepower at rated speed Cab with 9F/3R SyncShuttle™ Transmission. 5085E and 5100E PTO horsepower at rated speed Cab with 12F/12R PowerReverser™ Transmission.

5E Series | Overview

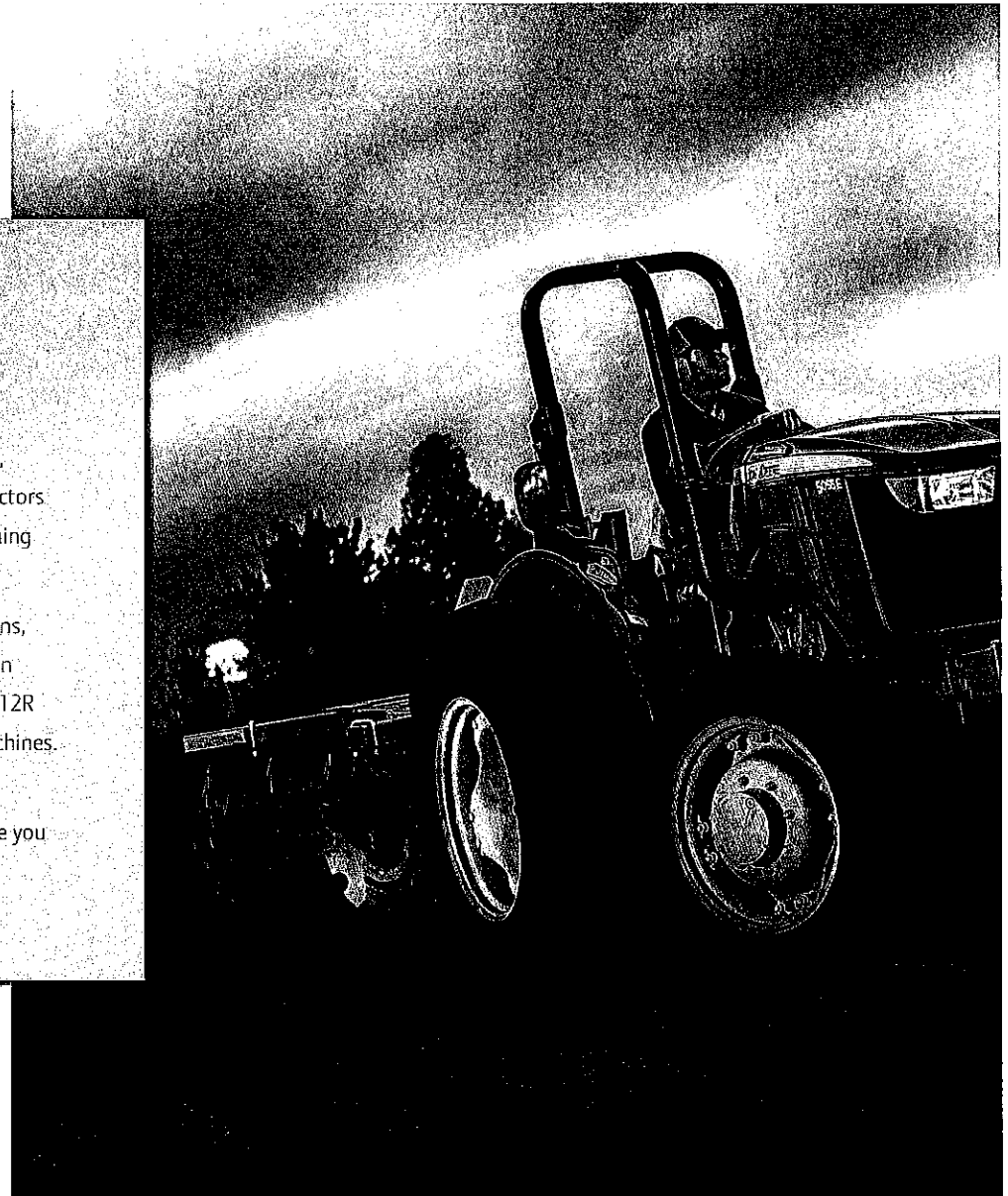
The 5E Series Born to work

Meet the 5E Series by John Deere... six models, 45–100 horsepower, open station and cab options, and Final Tier 4 compliant engines, these utility tractors are truly born to take on tough tasks and keep coming back for more.

The 5E series in total now has 3 transmission options, 9F/3R SyncShuttle™ and 12F/12R PowrReverser™* in the 5E 3 cylinder machines, and 12F/12R and 24F/12R PowrReverser transmission in the 5E 4 cylinder machines.

Now you can have the rock-solid performance and versatility you expect in a John Deere – all at a price you might not.

*Not available on 5055E.



5E Series | Overview

Born to work... and work... and work

Built Tough. For Every Job. And Every Season.

For lifting and loader work, rotary cutting, snow removal — even in hostile weather conditions... conquer it all with the John Deere 5E Series.

If you thought you knew the 5E Series, take another look. You'll find new standard features and options that combine to create a full lineup of mid-spec machines that truly sits in a class of its own.

With 9F/3R SyncShuttle and 12F/12R PowrReverser available on 55-75 horsepower models and a 12F/12R PowrReverser and 24F/12R PowrReverser transmission available on 85 and 100 horsepower models you'll have easy directional control (forward and reverse) and speed-matching for any application.

The comfortable open station configuration comes standard, or opt for the climate-controlled cab on 5055E and higher horsepower models. No matter how you configure the new 5E Series, impressive can-do comes built right in.

Explore the new 5E Series and discover for yourself exactly what it means to be born to work.



5E Series | 45–75 horsepower

Born to work. On your property. Within your budget.

45–75 horsepower 5E Series

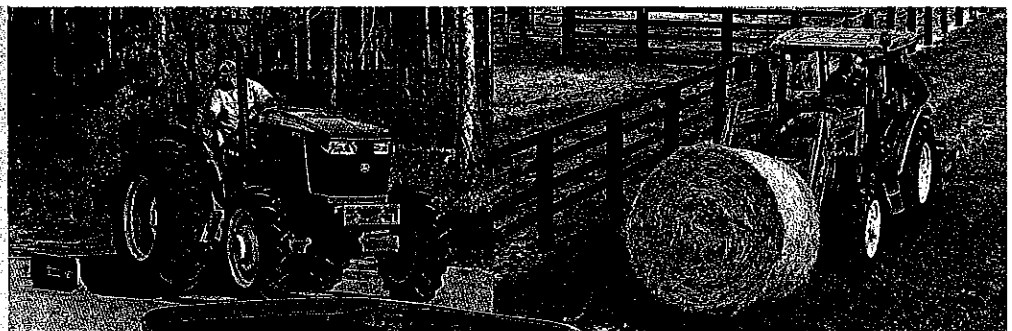
Trying to find the perfect fit for your property or operation? It's as easy as climbing into the seat of the 45 to 75 horsepower 5E Series. You want options? You've found them. You can choose 2WD or MFWD. An open station, or a climate-controlled cab (55–75 hp models). The 9F/3R SyncShuttle™ Transmission or the 12F/12R PowerReverser™ (55–75 hp models). Why so many options? Because a job well done starts with the right tools. And with the 5E Series, it's easier than ever to customize your machine to fit your needs, AND your budget.

Handle rotary cutting chores, tackle loader work like moving gravel or dirt, or choose one of hundreds of compatible implements and attachments like post-hole augers, rear blades, box blades, wood chippers, or land planes, and get to work. Your property will thank you.

Capable without compromise ... That's what the 5E Series is all about.



Choose the climate-controlled cab option (not available on 5045C) and work in comfort all year long. Ergonomic seat and easy-to-reach pedals, levers, and joystick leave you relaxed and in control, even after hours of operating. The new integrated 12V charger keeps your devices running all day long.



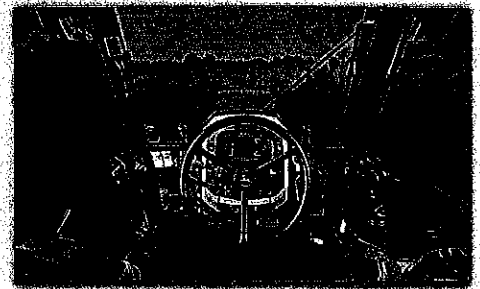
5E Series | 85–100 horsepower

Born to work **stronger**



85–100 horsepower 5E Series

Step up to the 85 or 100 horsepower 5E Series and you're getting a tractor with serious muscle and capability. These rugged machines can handle just about anything on your farm or your property, from heavy-duty loader work, to hay-making, to property maintenance chores, rotary tilling, and everything in between. We now offer more versatile speed selection with the 24F/12R PowerReverser™ transmission, which allows you to shift from high to low with the ease of a button. Plus, you'll get the choice of our comfortable open operator station or the cab configuration for year-round productivity.



Get a clearer view of the task at hand with the exhaust stack now located behind the cornerpost (on all cab models.) Plus, the 85–100 horsepower 5E models boast an improved control layout, access to SCV levers, and generous console storage space.

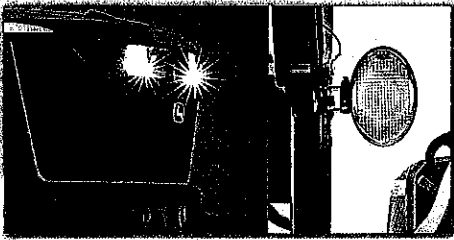
5E Series | Engine

Born to work stronger

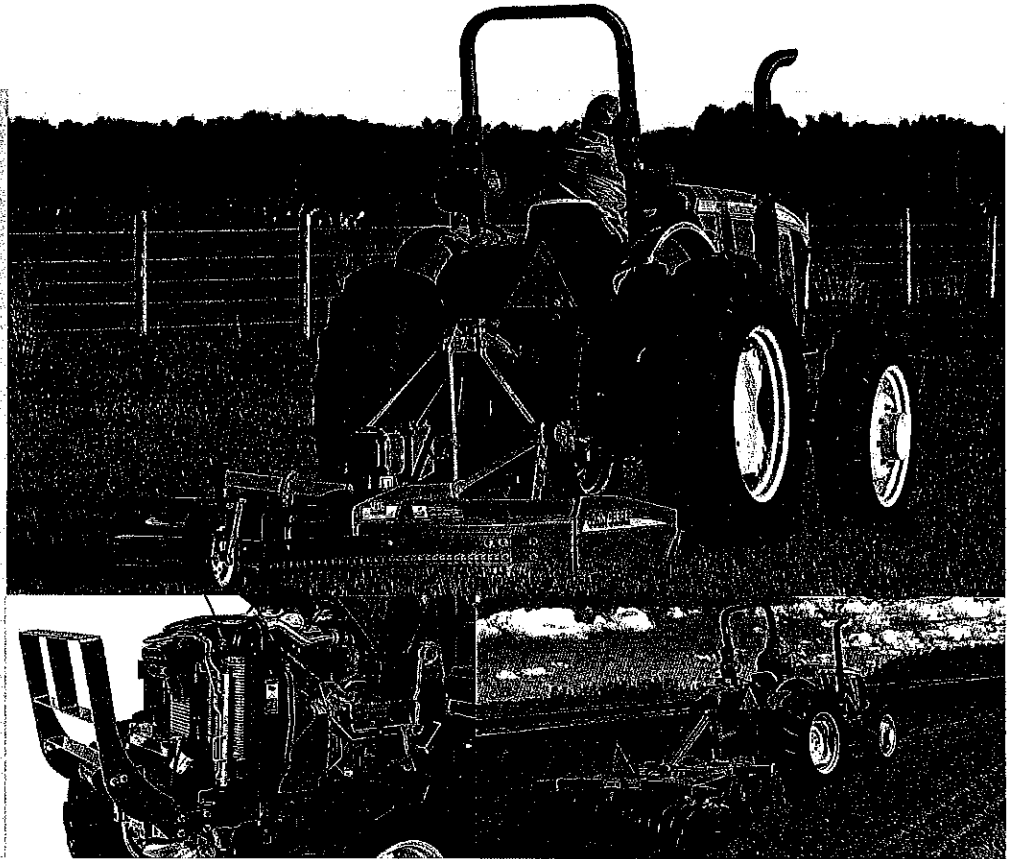
Powerful engineering... from the inside out.

At the heart of every 5E Series tractor you'll find a powerful yet efficient John Deere PowerTech™ turbocharged diesel engine. The 3-cylinder and 4-cylinder engines (depending on choice of horsepower) both feature a wet sleeve design for better heat dissipation. And with up to 100 available horsepower, the 5E Series can tackle just about anything on your chore list.

Choose the 45–75 horsepower 5E Series for a simple Final Tier 4 single fluid solution. No extra fuel additives, and no need to "arm" a regeneration system. That means you can run your tractor just like you always have and know it's working more efficiently than ever ... and with compliant emissions reduction. Plus a standard rated operating speed of just 2100 RPM for an engine that produces reduced noise, vibration, and wear and tear over the long run.



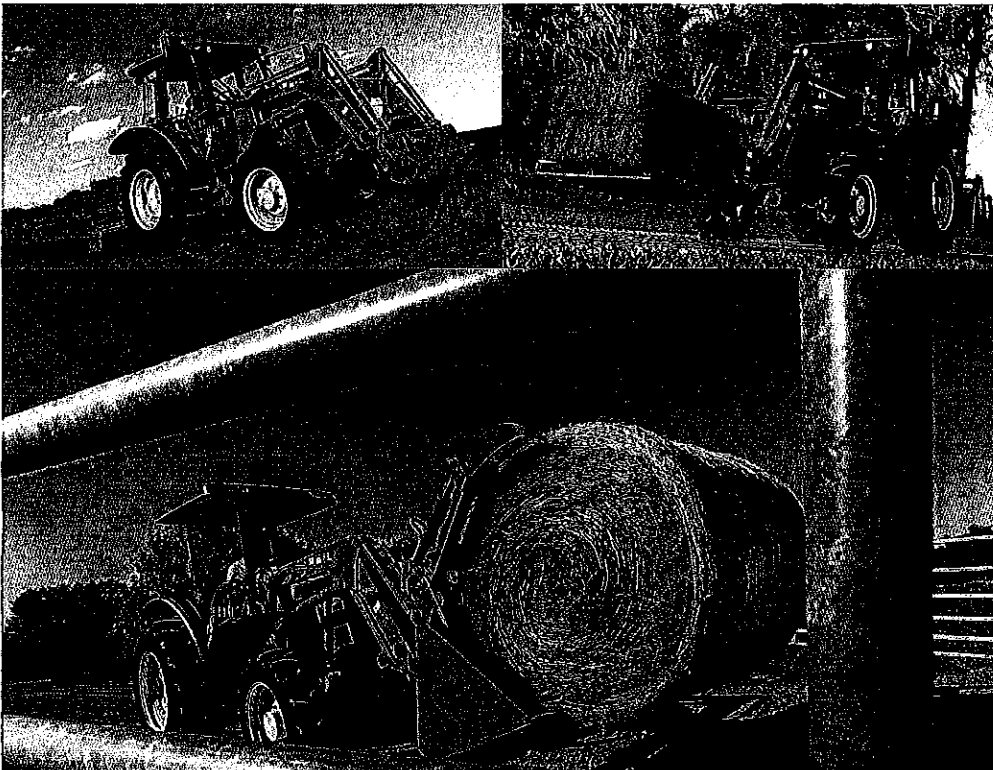
Early mornings? Late evenings? No problem ... Extra bright halogen headlights and rear work lights come standard on both open station and cab models.



The one-piece tilting hood allows easy access to service items like the air filter, engine oil checks, and more. Plus, ground-level fluid fills make regular maintenance a snap.

5E Series | Hydraulics

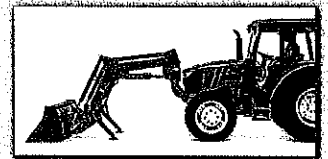
Born to work under pressure



Load more. Lift more. Do more.

When it comes to hydraulic power and capacity, it's hard to beat the 5E Series. With a rear hitch lift capacity of nearly 3,200 pounds (1,451 kg), lifting and transporting those heavier implements — like rotary tillers and heavy seeders — just became a non-issue. The standard 3-point hitch allows you to hook up to any Category 1 (with conversion kit) or Category 2 hitch standard-mounted implement. Plus, mid-mount hydraulic remotes allow for easy loader mounting.

Around front, add a John Deere loader for up to 3,548 pounds (1,610 kg) lift capacity,* Quik-Park™ capability and self-leveling options. Partner a John Deere loader with your 5E Series to transform your tractor into a lean, green, loading and lifting machine. And now with the factory installed loader prep package option on MFWD tractors and stackable mid SCVs (4-cylinder only), you'll be saving lots of time and money.



Loaders attach and detach in just a few minutes, with no tools.

With standard high-capacity hydraulics, you can sit back and let your new 5E Series handle the heavy lifting.

*Lift capacity for H240 NSL Loader at full height on 5100E tractor.

5 Series | Transmission and efficiency

Born to work smarter

Intelligent efficiency.

The new John Deere 5E Series are our most advanced EA Utility tractors ever. What makes the new 5E Series so advanced? First, you get the option of a 24F/12R PowrReverser™ Transmission on 4-cylinder models (12/T2 is standard on 5085E and 5100E). No-stop, in-line, forward/reverse shifting makes short work of loading, blading, or any chore with frequent directional changes—while 12 forward and 12 reverse speeds allow you the freedom to find just the right gear for the job. Or go with the standard 9F/3R SyncShuttle™ Transmission* (3-cylinder only) for proven-reliable performance in any application.

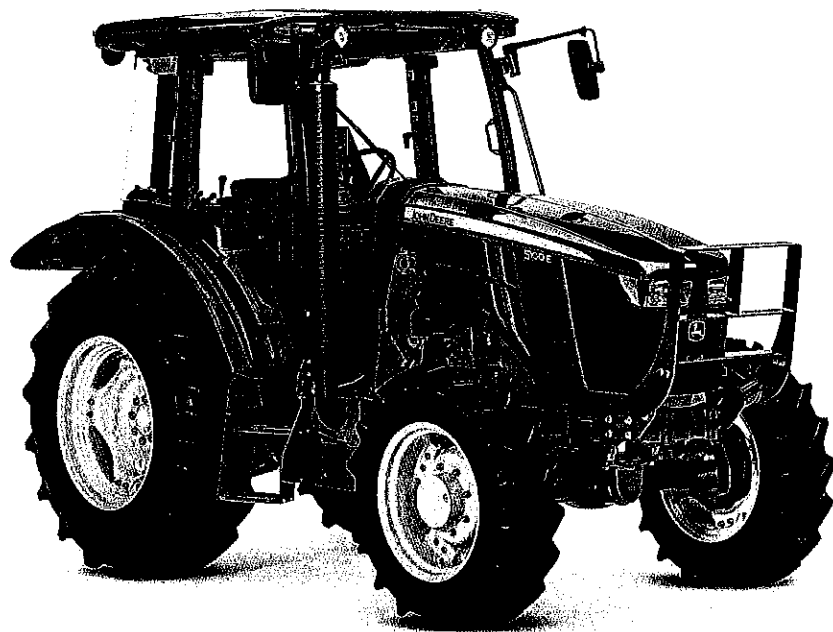
The standard, fully-independent 540 RPM PTO gives you power for PTO-driven implements and has been updated with an electrohydraulic actuator for smoother PTO activation. Plus, PowrReverser-equipped tractors benefit from a 540 Economy PTO mode, allowing you to operate with full PTO speeds at reduced engine rpm—saving fuel, lowering engine noise and reducing vibration. For operator convenience, we've relocated the EPTO lever to just behind the seat, well within reach of the seated operator.

No matter which options you choose, heavy-duty components and moving parts designed for high-hour usage translate to unmatched performance and long-term reliability. And that makes the 5E Series a smart investment any way you slice it.



*9F/3R only on 45-75 HP models

1. 5085E Tractor shown with H240 Loader and 3rd Function Grapple Bucket. 2. 5075E Tractor shown with Canopy and Frontier RC2072 Rotary Cutter. 3. 5100E Tractor shown with H240 Loader and 681 Rotary Tiller. 4. 5075E Tractor shown with Frontier Box Blade BB4172H.



5E Series Utility Tractors Born to work **anywhere**

Making the best even better.

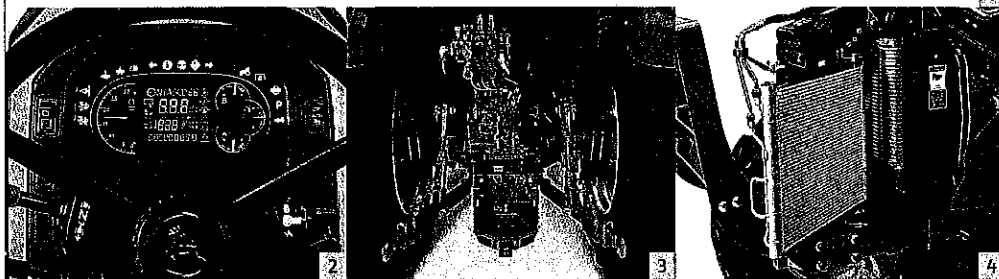
The new 5085E and 5100E machines have a great new set of features that will help you get more done in less time.

The new sloping hood, deluxe standard cornerpost exhaust, and raised operator platform on cab models give you up to 3.6 feet of extra visibility in front of the tractor. Better sight lines mean higher operator efficiency and comfort when performing many repetitive tasks with a loader.

With the new LCD instrument cluster, you can see ground speed, PTO speed, and engine hours all at the same time. In addition, you can now view important indicators such as PTO target bar, PowerReverser™ position, hi-lo indicator, and warning lights.

The new slide-out condenser (cab models only), radiator screen, tilt-able charge air cooler, and slide-out oil cooler allow you to quickly access the cooling system components to clean debris—with no tools. If it's easy to clean, it will get cleaned, so you'll never have to worry about an over-heated engine in tough conditions.

Finally, attaching rear implements to the 3-point hitch is now easier than ever. With the new standard sway bars and telescoping draft links, no tools are required to attach or detach implements. That's going to be appreciated when hooking up heavy implements that can match the rear hitch lift capacity of over 3,200 pounds (1451 kg).



1. New sloping hood on SE 4 cylinder. 2. New LCD instrument cluster. 3. New standard sway bars and telescoping draft links. 4. New slide out condenser, radiator screen, tilt-able charge air cooler, and slide out condenser on 4 cylinder cab models.

5 Series Utility Tractors | Frontier Equipment

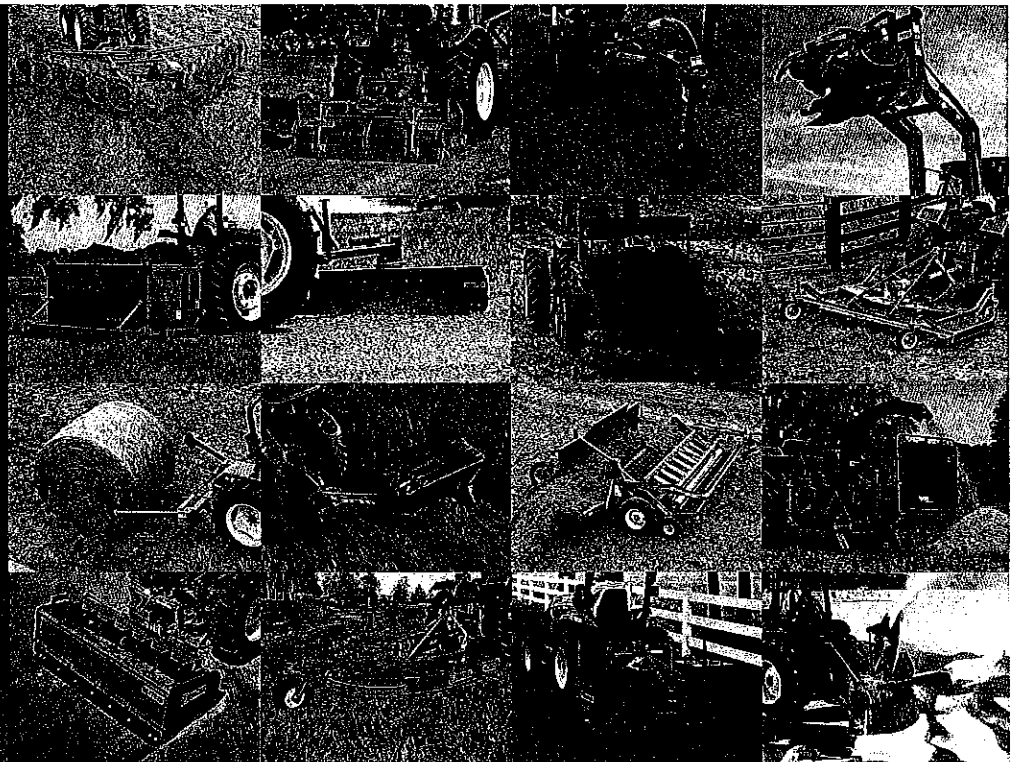
Frontier makes the perfect match

From posthole diggers to food plot seeders to rotary cutters to land levelers, John Deere and Frontier Equipment offer a wide variety of front and rear attachments designed specifically for tractors like the 5E Series. Your John Deere dealer is the exclusive source for the full line of Frontier implements and attachments.

See your John Deere dealer, or visit us online to find out more about our complete line of attachments, including:

Grooming mowers	Posthole diggers	Tedders
Box blades	Manure spreaders	Wood chippers
Rotary tillers	Wheel rakes	Snowblowers
Overseeders	Disc mowers	Bale huggers
Disk harrows	Rear blades	Arena rakes
Rotary rakes	Core aerators	Bale spears
Sickle bar mowers	Pendular spreaders	Food plot seeders
Pulverizers	Offset disks	Land planes

Visit us online at www.BuyFrontier.com
or www.BuyFrontier.ca to get specs
and availability information.

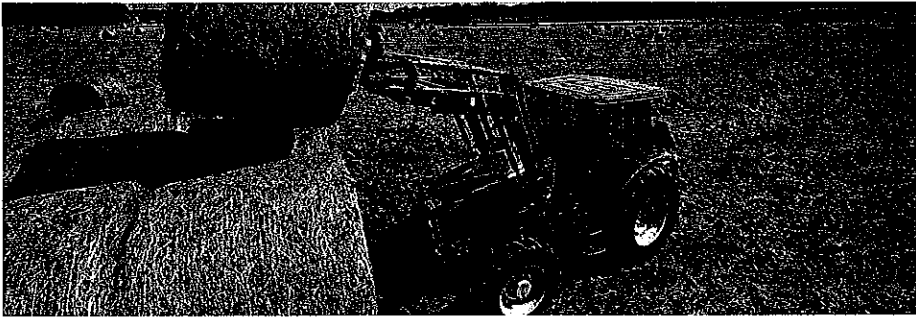


Frontier Equipment reserves the right to change specifications, design, and price of products described in this literature without notice.

NEW John Deere loaders: Built Tough.

If you're looking for greater lift heights, higher capacity, user-friendly parking and attaching, look to the all-new John Deere H Series Loaders. Built to handle the demands of livestock and dairy producers, commercial and construction operators, or anyone with big-time material-handling chores, the H Series offers more cast-steel components for improved durability and capacity, a lower torque tube for better visibility, and concealed oil lines for a cleaner appearance and less risk of damage.

For owners and operators with less-demanding loader tasks, the 512 Loader offers field-proven performance across a wide range of material-handling applications. Your John Deere dealer can help you choose the right loader for your operation.



Loader (Non-Self-Leveling, Mechanical Self-Leveling)	512 NSL	H240MSL	H240NSL	H260 NSL
Lift capacity at full height, at pivot	2453 lb. (1115 kg)	2580 lb. (1170 kg)	3523 lb. (1598 kg)	3754 lb. (1703 kg)
Lift capacity at full height, 800 mm ahead of pivot	1538 lb. (697 kg)	2908 lb. (1319 kg)	2291 lb. (1040 kg)	2666 lb. (1212 kg)
Lift capacity @ 59 in. (1.5 m) lift height, at pivot	3295 lb. (1494 kg)	3607 lb. (1636 kg)	4030 lb. (1828 kg)	4960 lb. (2250 kg)
Lift capacity @ 59 in. (1.5 m) lift height, at 800 mm ahead of pivot	2350 lb. (1066 kg)	3481 lb. (1579 kg)	2974 lb. (1349 kg)	3783 lb. (1716 kg)
Boom breakout force, at pivot	4781 lb. (2169 kg)	4781 lb. (2169 kg)	4641 lb. (2105 kg)	6360 lb. (2885 kg)
Boom breakout force, 800 mm ahead of pivot	3172 lb. (1439 kg)	4052 lb. (1838 kg)	3168 lb. (1437 kg)	4639 lb. (2104 kg)
Maximum lift height	113 in. (2887 mm)	132 in. (3351 mm)	132 in. (3351 mm)	137 in. (3482 mm)
Clearance with bucket dumped	84 in. (2142.8 mm)	99.3 in. (2523 mm)	99.2 in. (2520 mm)	96 in. (2444 mm)
Reach at maximum height	24.5 in. (624 mm)	40.9 in. (1039 mm)	40.9 in. (1039 mm)	44 in. (1110 mm)
Reach at ground level	71.8 in. (1824 mm)	88.5 in. (2248 mm)	88.5 in. (2248 mm)	103 in. (2627 mm)
Digging depth	4 in. (108 mm)	-2.7 in. (-69 mm)	-3.9 in. (-73 mm)	-6 in. (-143 mm)
Dump angle @ full height	52.7 degrees	-55 degrees	-55 degrees	-73 degrees
Rollback angle @ ground	29 degrees	42 degrees	44 degrees	45 degrees

512 specifications as installed on SE; capacities measured with 73 in. Materials bucket (351 lb.). H240 specifications as installed on SE 3-cylinder; capacities measured with 73 in. CP bucket (392 lb.). H260 specifications as installed on S101E; capacities measured with 73 in. Materials bucket (502 lb.).

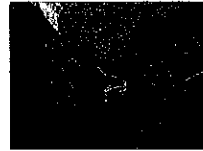


Add more comfort, convenience, security, productivity...



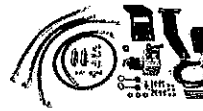
Auxiliary work light kit

Increase productivity with our auxiliary work light kit. The round halogen lights mount to the roof of your cab, providing a great source of extra lighting for the front or rear (or both) of your tractor. Includes all hardware and components.



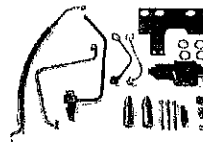
Air-ride suspension seat

Ride more comfortably over the longest roads and roughest terrain with an air seat suspension kit (4-cylinder models only). The vertical and horizontal seat suspension lets you work longer hours with minimal operator fatigue. Armrest included. See your John Deere dealer for more details.



Power beyond adaptor kit

Provide live hydraulic power to implements that have an open-center control valve. This kit is required for installing a backhoe on your tractor. See your John Deere dealer for more details.



Dual rear SCV kit with lever controls

Attach a wider range of implements than ever before with our dual rear selective control valve (SCV) kit. Easy lever controls are included for your convenience.

5 Series Utility Tractors | Specifications

Tractor Series	5045E	5055E	5065E	5075E	5085E	5100E
Engine HP (kW) @ Rated Speed*	50 (37.4) @ 2100	59 (44.4) @ 2100	67 (50.4) @ 2100	73 (55.0) @ 2100	85 (62.5) @ 2400	100 (74.6) @ 2400
PTO HP (kW) @ Rld. RPM**	37 (27.6) @ 2100	41 (30.6) @ 2100	49 (36.6) @ 2100	57 (43) @ 2100	70 (52.2) @ 2400	85 (63.4) @ 2400
Engine						
Make	John Deere PowerTech 3029	John Deere PowerTech 3029	John Deere PowerTech 3029	John Deere PowerTech 3029	John Deere PowerTech 4045	John Deere PowerTech 4045
Aspiration	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged
Cylinders	3	3	3	3	4	4
Displacement, cu. in. (liters)	179 (2.9)	179 (2.9)	179 (2.9)	179 (2.9)	276 (4.5)	276 (4.5)
Cylinder Liners	Wet Sleeved	Wet Sleeved	Wet Sleeved	Wet Sleeved	Wet Sleeved	Wet Sleeved
Transmission						
Standard	9F/3R SyncShuttle	9F/3R SyncShuttle	9F/3R SyncShuttle	9F/3R SyncShuttle	12F/12R PowrReverser	12F/12R PowrReverser
Optional	---	12F/12R PowrReverser	12F/12R PowrReverser	12F/12R PowrReverser	24F/12R PowrReverser	24F/12R PowrReverser
Reverser	No	No	No	No	Yes	Yes
On-the-Go Shifting (Yes/No/Partial)	Partial	Partial	Partial	Partial	Partial	Partial
Traction Clutch - Standard/Option	Dry	Dry/Wet (12F/12R PowrReverser)	Dry/Wet (12F/12R PowrReverser)	Dry/Wet (12F/12R PowrReverser)	Wet	Wet
Fuel System						
Fuel Tank OOS - Gal. (L)	18.0 (68.0)	18.0 (68.0)	18.0 (68.0)	18.0 (68.0)	30 (114)	30 (114)
Fuel Tank Cab - Gal. (L)	---	21.6 (82)	21.6 (82)	21.6 (82)	30 (114)	30 (114)
Power/Takeoff (PTO)						
Standard	Independent 540	Independent 540	Independent 540	Independent 540	Independent 540/540E	Independent 540/540E
Optional (PR)	---	Independent 540/540E	Independent 540/540E	Independent 540/540E	---	---
PTO Actuation - Standard/Option	Mechanical	Mechanical/Electrohydraulic	Mechanical/Electrohydraulic	Mechanical/Electrohydraulic	Electrohydraulic	Electrohydraulic
Economy PTO	No	Yes	Yes	Yes	Yes	Yes
Hydraulics						
Type	Open Center	Open Center	Open Center	Open Center	Open Center	Open Center
Steering gpm (L/min)	6.8 (25.7)	6.8 (25.7)	6.8 (25.7)	6.8 (25.7)	6.6 (24.9)	6.6 (24.9)
Implement gpm (L/min)	11.4 (43.1)	11.4 (43.1)	11.4 (43.1)	11.4 (43.1)	15.9 (60.1)	15.9 (60.1)
Total	18.2 (68.8)	18.2 (68.8)	18.2 (68.8)	18.2 (68.8)	22.5 (85.1)	22.5 (85.1)
Rear SSVs						
Base	1	1	1	1	2	2
Optional	2	2	2	2	0, 3	0, 3
Midside						
Base	0	0	0	0	0	0
Optional	2	2	2	2	2, 3	2, 3
Front End						
OED Hitch Lift Cap @ 24 in. behind hitch balls lb. (kg)	3,192 (1,448)	3,192 (1,448)	3,192 (1,448)	3,192 (1,448)	3,213 (1,457)	3,213 (1,457)
Hitch Category	Category 2 (convertible to 1)	Category 2 (convertible to 1)	Category 2 (convertible to 1)	Category 2 (convertible to 1)	Category 2	Category 2
Draft Sensing Type	Top Link	Top Link	Top Link	Top Link	Top Link	Top Link
Operation Station						
Type - Standard/Option	Open Station	Open Station/Cab	Open Station/Cab	Open Station/Cab	Open Station/Cab	Open Station/Cab

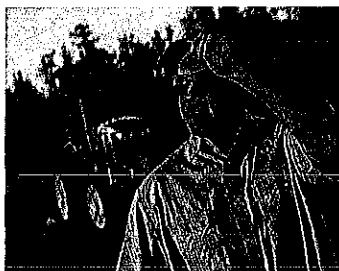
*97/68 EC gross engine horsepower.

**5045E PTO horsepower at rated speed Open Station with 9F/3R SyncShuttle™ Transmission. 5055E, 5065E, 5075E PTO horsepower at rated speed Cab with 9F/3R SyncShuttle™ Transmission. 5085E and 5100E PTO horsepower at rated speed Cab with 12F/12R PowrReverser™ Transmission.

5 Series Utility Tractors | Specifications

Tractor Series	5045E	5055E	5065E	5075E	5085E	5100E
2WD Dimensions						
Wheelbase, in. (mm)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	---	---
Overall length (minimum)	137.8 in.	137.8 in.	137.8 in.	137.8 in.	---	---
Overall width, rear axle b/w flanges	57.3 in.	57.3 in.	57.3 in.	57.3 in.	---	---
MFWD Dimensions						
Wheelbase, in. (mm)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	92.5 (2,350)	92.5 (2,350)
Overall length (minimum)*	137.8 in.	137.8 in.	137.8 in.	137.8 in.	159.13 in.	159.13 in.
Overall width, rear axle b/w flanges	57.3 in.	57.3 in.	57.3 in.	57.3 in.	57.2 in.	57.2 in.
Height from ground						
To top of hood	63.5 in.	64.8 in.	66.2 in.	66.9 in.	70.6 in.	70.6 in.
To top of ROPS	94.4 in.	96.4 in.	98.4 in.	98.4 in.	101.1 in.	101.1 in.
To top of folded ROPS	75.8 in.	77.1 in.	78.5 in.	78.5 in.	79.6 in.	79.6 in.
To top of Cab	---	96.3 in.	95.6 in.	97 in.	102.4 in.	102.4 in.
Front Axle Clearance 2WD in. (mm)	18.8 (480)	18.8 (480)	18.8 (480)	18.8 (480)	---	---
Front Axle Clearance MFWD OOS in. (mm)	13.4 (340)	13.4 (340)	13.4 (340)	13.4 (340)	17.0 (432)	17.0 (432)
Front Axle Clearance MFWD Cab in. (mm)	---	13.4 (340)	13.4 (340)	13.4 (340)	15.2 (386)	15.2 (386)
Standard Tires - 2WD						
Front	7.5 - 16; F2	7.5 - 16; F2	7.5 - 16; F2	7.5 - 16; F2	---	---
Rear	13.6 - 28; R1	14.9 - 28; R1	16.9 - 28; R1	16.9 - 28; R1	---	---
Standard Tires - MFWD						
Front	9.5 - 24; R1	9.5 - 24; R1	9.5 - 24; R1	9.5 - 24; R1	12.4 - 24; R1	12.4 - 24; R1
Rear	13.6 - 28; R1	14.9 - 28; R1	16.9 - 28; R1	16.9 - 28; R1	18.4 - 30; R1	18.4 - 30; R1
Weight						
Approx Weight, lb (kg), 2WD	4,414 (2,002)	4,524 (2,052)	4,634 (2,102)	4,634 (2,102)	---	---
Approx Weight, lb (kg), MFWD OOS	5,401 (2,450)	5,511 (2,500)	5,621 (2,550)	5,732 (2,600)	7,275 (3,300)	7,275 (3,300)
Approx Weight, lb (kg) MFWD Cab	---	7,054 (3,200)	7,165 (3,250)	7,275 (3,300)	8,150 (3,700)	8,150 (3,700)
Turn Radius						
With brakes	10.2 ft.	10.2 ft.	10.2 ft.	10.2 ft.	11.6 ft.	11.6 ft.
Without brakes	11.5 ft.	11.5 ft.	11.5 ft.	11.5 ft.	14.3 ft.	14.3 ft.

*Front weight support extends past the front wheels. **With 4-wheel drive disengaged, where applicable.



Get peace of mind with PowerGard™

Protect your investment and increase your confidence in purchasing a high-quality John Deere tractor through John Deere PowerGard™ Programs.

The PowerGard™ Maintenance Program is an effective, preventative maintenance program designed to make sure your tractor operates at peak performance, offers exceptional reliability and maintains top residual value.

*PowerGard Protection Plan extended warranty covers failures due to defective materials or original workmanship of covered components for up to 3 years or 3,000 hours (whichever comes first). Customers have a choice between either the Limited (engine & powertrain) coverage form or the Comprehensive (full-machine) coverage form. See your dealer, www.deere.com or www.johndeere.ca/PowerGard for details.

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✓ 10:00 AM CN

REB Everett & Co.		8211 Red Bluff Rd. P.O. Box 7300 Pasadena, TX 77508
VIA		
10 JEFFERSON COUNTY PURCHASING DEPARTMENT		
1149 PEARL STREET, 1ST FLOOR		
BEAUMONT, TEXAS 77701		
ATTENTION: PURCHASING AGENT		

SE A L E D B I D S

BID NAME: RE-BID HEAVY EQUIPMENT FOR JEFFERSON COUNTY PREC. 3 (To replace Un- repairable Equipment Damaged by Hurricane Harvey)	
BID NO:	IFB 18-013/JW
DUE DATE/TIME:	11:00 AM CDT TUESDAY, JUNE 19, 2018



JEFFERSON COUNTY PURCHASING DEPARTMENT

Deborah L. Clark, Purchasing Agent

1149 Pearl Street, 1st Floor, Beaumont, TX 77701 409-835-8593 Fax 409-835-8456

LEGAL NOTICE Advertisement for Invitation for Bids

May 21, 2018

Notice is hereby given that sealed bids will be accepted by the Jefferson County Purchasing Department for IFB 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey). **Specifications for this project may be obtained from the Jefferson County website, <http://www.co.jefferson.tx.us/Purchasing/main.htm> or by calling 409-835-8593.**

Bids are to be sealed and addressed to the Purchasing Agent with the bid number and name marked on the outside of the envelope or box. Bidders shall forward an original and three (3) copies of their bid to the address shown below. Jefferson County does not accept bids submitted electronically. Late bids will be rejected as non-responsive. Bids will be publicly opened and read aloud in the Jefferson County Commissioners' Courtroom at the time and date below. Bidders are invited to attend the sealed bid opening.

BID NAME: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

BID NO: IFB 18-013/JW

DUE DATE/TIME: 11:00 AM CDT, Tuesday, June 19, 2018

MAIL OR DELIVER TO: Jefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, Texas 77701

Any questions relating to these requirements should be directed to Jamey West, Assistant Purchasing Agent, at 409-835-8593 or jwest@co.jefferson.tx.us. Bidders may submit technical questions to: Jason Castille, Precinct No. 3 Superintendent at 409-736-2851 or pct3sc@co.jefferson.tx.us.

Jefferson County encourages Disadvantaged Business Enterprises to participate in the bidding process. Jefferson County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provisions of services. Individuals requiring special accommodations are requested to contact our office at 409-835-8593 to make arrangements no later than seven (7) calendar days prior to the submittal deadline. Jefferson County reserves the right to waive technicalities and to take whatever action is in the best interest.

All interested firms are invited to submit a bid in accordance with the

RESPONDENTS ARE STRONGLY ENCOURAGED TO CAREFULLY READ THE

Deborah Clark

Original

Deborah L. Clark, Purchasing Agent
Jefferson County, Texas

Publish: Beaumont Enterprise & Port Arthur News – May 23, 2018

**IFB 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unreparable Equipment Damaged by Hurricane Harvey)
Bids due: 11:00 AM CDT, Tuesday, June 19, 2018**

Table of Contents

Table of Contents	1
Instructions to Bidders	2
General Conditions of Bidding and Terms of Contract.....	6
Special Requirements/Instructions	16
Minimum Specifications	20
Instructions to Bidders (Re: Brand Reference / Equivalent Bid Items)	20
Bid Item 1: Description & Technical Specifications Checklist Form Instructions	21
Bid Item 1: Technical Specifications Checklist Form.....	22
Bid Item 1: Bidder Alternative Features Offered & Exceptions List	37
Bid Item 2: Description & Technical Specifications Checklist Form Instructions	38
Bid Item 2: Technical Specifications Checklist Form.....	39
Bid Item 2: Bidder Alternative Features Offered & Exceptions List	41
Bid Item 3: Description & Technical Specifications Checklist Form Instructions	42
Bid Item 3: Technical Specifications Checklist Form.....	43
Bid Item 3: Bidder Alternative Features Offered & Exceptions List	45
Bid Item 4: Description & Technical Specifications Checklist Form Instructions	46
Bid Item 4: Technical Specifications Checklist Form.....	47
Bid Item 4: Bidder Alternative Features Offered & Exceptions List	49
Bid Item 5: Description & Technical Specifications Checklist Form Instructions	50
Bid Item 5: Technical Specifications Checklist Form.....	51
Bid Item 5: Bidder Alternative Features Offered & Exceptions List	52
Bidder Information Form	53
Offer to Contract Form.....	54
Acceptance of Offer Form	55
Bid Form.....	56
Vendor References.....	62
Signature Page	63
Conflict of Interest Questionnaire	64
Local Government Officer Conflict Disclosure Statement Forms (OFFICE USE ONLY)	65
Good Faith Effort Determination Checklist	66
Notice of Intent	67
HUB Subcontracting Participation Declaration Form	68
Residence Certification/Tax Form	72
Bid Affidavit	73
TECHNICAL SPECIFICATIONS	(APPENDIX A-E)

Instructions to Bidders

1. Bid Submission

Bids must be submitted in complete original form by mail or messenger to the following address:

Jefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, TX 77701

Bids will be accepted at the above address until the time and date specified herein, and immediately after will be publicly opened and read aloud.

Bidder shall submit bid in a tightly sealed opaque envelope or box, plainly marked "SEALED BID." The outside of the envelope or box shall also include the Bid Number, Bid Name, Bid Due Date, and the Bidder's Name and Address; and shall be addressed to the Purchasing Agent.

Late bids will not be accepted and will be returned unopened to the bidder.

All bids submitted in response to this invitation shall become the property of Jefferson County and will be a matter of public record available for review.

Bidder is responsible for submitting:

- One (1) *original* bid copy to include a completed copy of this specifications packet, in its entirety.
- Three (3) numbered bid *copies* to include at a minimum all pages requiring completion and/or marked with instructions to be returned with bid submission and any other documentation requested within these specifications.

Additionally, Bidder must monitor the Jefferson County Purchasing Department Website (below) to see if addenda or additional instructions have been posted. Failure to return all required forms could result in a response being declared as non-responsive.

<http://www.co.jefferson.tx.us/purchasing/main.htm>

2. Bid Submissions During Time of Inclement Weather, Disaster, or Emergency

In case of inclement weather or any other unforeseen event causing the County to close for business on the date of a bid/proposal/statement of qualifications submission deadline, the closing will automatically be postponed until the next business day that County offices are open to the public. Should inclement weather conditions or any other unforeseen event cause delays in courier service operations, the County may issue an addendum to all known vendors interested in the project to extend the deadline. It will be the responsibility of the vendor to notify the county of their interest in the project should these conditions impact their ability to submit a bid/proposal/statement of qualifications submission before the stated deadline. The County reserves the right to make the final judgement call to extend any deadline.

Should an emergency or unanticipated event interrupt normal County processes, and bid/proposal/statement of qualifications submissions cannot be received by the Jefferson County Purchasing Department's office by the exact time specified in the IFB and urgent County requirements preclude amendment to the IFB, the time specified for receipt of bids will be deemed to be extended to the same time of day specified in the solicitation on the first business day on which normal County processes resume.

3. Courthouse Security

Bidders are advised that all visitors to the Courthouse must pass through Security. **Bidders planning to hand deliver bids must allow time to get through Security, as a delay in entering the Courthouse will not be accepted as an excuse for late submittal.** Mondays and Tuesdays are particularly heavy days. Bidders are strongly urged to plan accordingly.

4. Preparation of Bids

The bid shall be legibly printed in ink or typed.

The County requests that bid submissions NOT be bound by staples or glued spines.

If a unit price or extension already entered is to be altered, it shall be crossed out and initialed in ink by the bidder.

The bid shall be legally signed and shall include the complete address of the bidder.

Jefferson County is exempt from Federal and State Sales Taxes, and such taxes shall not be included in bid prices.

5. Signatures

All bids, notifications, claims, and statements must be signed by an individual authorized to bind the bidder. The individual signing certifies, under penalty of perjury, that he or she has the legal authorization to bind the bidder.

6. County Holidays – 2018:

January 1	Monday	New Year's
January 15	Monday	Martin Luther King, Jr. Day
February 19	Monday	President's Day
March 30	Friday	Good Friday
May 28	Monday	Memorial Day
July 4	Wednesday	Independence Day
September 3	Monday	Labor Day
November 12	Monday	Veteran's Day
November 22 & 23	Thursday & Friday	Thanksgiving
December 24 & 25	Monday & Tuesday	Christmas
January 1, 2019	Tuesday	New Year's

7. Rejection or Withdrawal

Submission of additional terms, conditions or agreements with the bid document are grounds for deeming a bid non-responsive and may result in bid rejection. Jefferson County reserves the right to reject any and all bids and to waive any informalities and minor irregularities or defects in bids. Bids may be withdrawn in person by a bidder or authorized representative, provided their identity is made known and a receipt is signed for the bid, but only if the withdrawal is made prior to the time set for receipt of bids. Bids are an irrevocable offer and may not be withdrawn within 90 days after opening date.

8. Emergency/Declared Disaster Requirements

In the event of an emergency or if Jefferson County is declared a disaster area, by the County, State, or Federal Government, this Acceptance of Offer may be subjected to unusual usage. Contractor shall service the county during such an emergency or declared disaster under the same terms and conditions that apply during non-emergency/disaster conditions. The pricing as specified in this Acceptance of Offer shall apply to serving the County's needs regardless of the circumstances. If Contractor is unable to supply the services under the terms of the Acceptance of Offer, then Contractor shall provide proof of such disruption and a copy of the invoice from Contractor's supplier(s). Additional profit margin as a result of supplying services during an emergency or declared disaster shall not be permitted. In the event that additional equipment,

supplies, and materials are required during the declared disaster, additional shipping, handling and drayage fees may apply.

9. Award

The bid will be awarded to the responsible, responsive bidder(s) whose bid, conforming to the solicitation, will be most advantageous to Jefferson County – price and other factors considered. Unless otherwise specified in this IFB, Jefferson County reserves the right to accept a bid in whole or in part, and to award by item or by group, whichever is deemed to be in the best interest of Jefferson County. Any bidder who is in default to Jefferson County at the time of submittal of the bid shall have that bid rejected. Jefferson County reserves the right to clarify any contractual terms with the concurrence of the Contractor; however, any substantial nonconformity in the offer, as determined by Jefferson County, shall be deemed non-responsive and the offer rejected.

In evaluating bids, Jefferson County shall consider the qualifications of the bidders, and, where applicable, operating costs, delivery time, maintenance requirements, performance data, and guarantees of materials and equipment. In addition, Jefferson County may conduct such investigation as it deems necessary to assist in the evaluation of a bid and to establish the responsibility, qualifications, and financial ability of the bidders to fulfill the contract.

Jefferson County reserves the right to award this contract on the basis of **lowest and best bid** in accordance with the laws of the State of Texas, to waive any formality or irregularity, to make awards to more than one offeror, and/or to reject any or all bids. In the event the lowest dollar offeror meeting specifications is not awarded a contract, Offeror may appear before the Commissioners' Court and present evidence concerning Offeror responsibility after officially notifying the Office of the Purchasing Agent of Offeror's intent to appear.

10. Contract

A response to an IFB is an offer to contract with Jefferson County based upon the terms, conditions, and specifications contained in the IFB. Bids do not become contracts unless and until they are executed by Jefferson County, eliminating a formal signing of a separate contract. For that reason, all of the terms and conditions of the contract are contained in the IFB, unless any of the terms and conditions is modified by an IFB Amendment, a Contract Amendment, or by mutually agreed terms and conditions in the contract documents.

11. Waiver of Subrogation

Bidder and bidder's insurance carrier waive any and all rights whatsoever with regard to subrogation against Jefferson County as an indirect party to any suit arising out of personal or property damages resulting from bidder's performance under this agreement.

12. Fiscal Funding

A multi-year contract (if requested by the specifications) continuing as a result of an extension option must include fiscal funding out. If, for any reason, funds are not appropriated to continue the contract, said contract shall become null and void.

13. Bid Results

Bid results are not provided in response to telephone inquiries. A preliminary tabulation of bids received will be posted on the Purchasing web page (<http://co.jefferson.tx.us/purchasing/main.htm>) as soon as possible following bid opening. A final tabulation will be posted following bid award, and will also be available for review in the Purchasing Department.

14. Changes and Addenda to Bid Documents

Each change or addendum issued in relation to this IFB document will be on file in the Office of the Purchasing Agent, and will be posted on the Purchasing web site as soon as possible. It shall be the bidder's responsibility to make inquiry as to change or addenda issued, and to monitor the web site. All such changes or addenda shall become part of the contract and all bidders shall be bound by such addenda. Information on all changes or addenda issued will be available at the Office of the County Purchasing Agent.

15. Specifications

Unless otherwise stated by the bidder, the bid will be considered as being in accordance with Jefferson County's applicable standard specifications, and any special specifications outlined in the bid document. References to a particular trade name, manufacturer's catalogue, or model number are made for descriptive purposes to guide the bidder in interpreting the requirements of Jefferson County, and should not be construed as excluding bids on other types of materials, equipment, and supplies. However, the bidder, if awarded a contract, will be required to furnish the particular item referred to in the specifications or description unless departure or substitution is clearly noted and described in the bid. Jefferson County reserves the right to determine if equipment/ product being bid is an acceptable alternate. All goods shall be new unless otherwise so stated in the bid. Any unsolicited alternate bid, or any changes, insertions, or omissions to the terms and conditions, specifications, or any other requirements of the bid, may be considered non-responsive.

16. Delivery

Bids shall include all charges for delivery, packing, crating, containers, etc. Unless otherwise stated by the bidder (in writing on the included Bid Form), prices bid will be considered as being based on F.O.B. destination/delivered freight included.

17. Interpretation of Bid and/or Contract Documents

All inquiries shall be made within a reasonable time prior to the date and time fixed for the bid opening, in order that a written response in the form of an addendum, if required, can be processed before the bids are opened. Inquiries received that are not made in a timely fashion may or may not be considered.

18. Currency

Prices calculated by the bidder shall be stated in U.S. dollars.

19. Pricing

Prices shall be stated in units of quantity specified in the bid documents. In case of discrepancy in computing the amount of the bid, the unit price shall govern.

20. Notice to Proceed/Purchase Order

The successful bidder may not commence work under this contract until authorized to do so by the Purchasing Agent.

21. Certification

By signing the offer section of the Offer and Acceptance page, bidder certifies:

- The submission of the offer did not involve collusion or other anti-competitive practices.
- The bidder has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to any public servant in connection with the submitted offer.
- The bidder hereby certifies that the individual signing the bid is an authorized agent for the bidder and has the authority to bind the bidder to the contract.

22. Definitions

"County" – Jefferson County, Texas.

"Contractor" – The bidder whose proposal is accepted by Jefferson County.

23. Minority-Women Business Enterprise Participation

It is the desire of Jefferson County to increase the participation of Minority (MBE) and women-owned (WBE) businesses in its contracting and procurement programs. While the County does not have any preference or set aside programs in place, it is committed to a policy of equitable participation for these firms.

General Conditions of Bidding and Terms of Contract

By execution of this document, the vendor accepts all general and special conditions of the contract as outlined below and in the specifications and plans.

1. Bidding

1.1 Bids. All bids must be submitted on the bid form furnished in this package.

1.2 Authorized Signatures. The bid must be executed personally by the vendor, duly authorized partner of the partnership, or duly authorized officer of the corporation. If executed by an agent, a power of attorney or other evidence of authority to act on behalf of the vendor shall accompany the bid to become a valid bid.

1.3 Late Bids. Bids must be in the office of the Jefferson County Purchasing Agent before or at the specified time and date bids are due. Bids received after the submission deadline shall be rejected as non-responsive and returned unopened.

1.4 Withdrawal of Bids Prior to Bid Opening. A bid may be withdrawn before the opening date by submitting a written request to the Purchasing Agent. If time allows, the bidder may submit a new bid. Bidder assumes full responsibility for submitting a new bid before or at the specified time and date bids are due. Jefferson County reserves the right to withdraw a request for bids before the opening date.

1.5 Withdrawal of Bids after Bid Opening. Bidder agrees that its offer may not be withdrawn or cancelled by the vendor for a period of ninety (90) days following the date and time designated for the receipt of bids unless otherwise stated in the bid and/or specifications.

1.6 Bid Amounts. Bids shall show net prices, extensions where applicable and net total. In case of conflict between unit price and extension, the unit price will govern. Any ambiguity in the bid as a result of omission, error, unintelligible or illegible wording shall be interpreted in the favor of Jefferson County.

1.7 Exceptions and/or Substitutions. All bids meeting the intent of the specifications and plans will be considered for award. Vendors taking exception to the specifications and plans, or offering substitutions, shall state these exceptions in the section provided. If bid is made on an article other than the one specified, which a bidder considers comparable, the name and grade of said article must be specified in the bid and sufficient specifications and descriptive data must accompany same to permit thorough evaluation. The absence of stated exceptions and/or substitutions shall indicate that the vendor has not taken any exceptions to the specifications and shall be responsible to perform in strict accordance with the specifications. As a matter of practice, Jefferson County rejects exception(s) and /or substitutions as non-responsive but reserves the right to accept any and/or all of the exception(s) and/or substitution(s) deemed to be in the best interest of Jefferson County.

1.8 Alternates. The Invitation for Bid and/or specifications may expressly allow bidder to submit an alternate bid. Presence of such an offer shall not be considered an indication of non-responsiveness.

1.9 Descriptions. Unless otherwise specified, any reference to make, manufacturer and/or model used in the bid specifications is merely descriptive and not restrictive, and is used only to indicate type, style, or quality of material desired.

1.10 Bid Alterations. Bids cannot be altered or amended after submission deadline. Any interlineations, alterations, or erasures made before opening time must be initialed by the signer of the bid, guaranteeing authenticity.

1.11 Tax Exempt Status. Jefferson County is exempt from federal excise tax and state sales tax. Unless the bid form or specifications specifically indicate otherwise, the bid price must be net, exclusive of above-mentioned taxes and will be so construed. Therefore, the bid price shall not include taxes.

1.12 Quantities. Quantities indicated are estimated quantities only and are not a commitment to buy. Approximate usage does not constitute an order, but only implies the probable quantity that will be used. Commodities will be ordered on an as-needed basis. Bidder is responsible for accurate final counts.

1.13 Bid Award. Award of contract shall be made to the most responsible, responsive bidder, whose offer is determined to be the best value, taking into consideration the relative importance of price. Jefferson County reserves the right to be the sole judge as to whether items bid will serve the purpose intended.

Jefferson County reserves the right to accept or reject in part or in whole any bid submitted, and to waive any technicalities or informalities for the best interest of the County. Jefferson County reserves the right to award based upon individual line items, sections or total bid.

1.14 Silence of Specifications for Complete Units. All materials, equipment and/or parts that will become a portion of the completed work, including items not specifically stated herein but, necessary to render the service(s) complete and operational per the specifications, are to be included in the bid price. Vendor may be required to furnish evidence that the service, as bid, will meet or exceed these requirements.

1.15 Addenda. Any interpretations, corrections or changes to the specifications and plans will be made by addenda no later than forty-eight (48) hours prior to the bid opening. Addenda will be posted on the Purchasing web site. Vendors are responsible for monitoring the web site in order to remain informed on addenda. Vendors shall acknowledge receipt of all addenda with submission of bid.

1.16 General Bid Bond/Surety Requirements. Failure to furnish bid bond/surety, if requested, will result in bid being declared non-responsive. Non-responsive bids will not be considered for award.

1.17 General Insurance Requirements. Failure to furnish Affidavit of Insurance, if required in these specifications, will result in bid being declared non-responsive. Non-responsive bids will not be considered for award.

1.18 Responsiveness. A responsive bid shall substantially conform to the requirements of this Invitation to Bid and/or specifications contained herein. Bidders who substitute any other terms, conditions, specifications and/or requirements or who qualify their bids in such a manner as to nullify or limit their liability to the contracting entity shall have their bids deemed non-responsive. Also, bids containing any clause that would limit contracting authority shall be considered non-responsive. Examples of non-responsive bids include but shall not be limited to: a) bids that fail to conform to required delivery schedules as set forth in the bid request; b) bids with prices qualified in such a manner that the bid price cannot be determined, such as with vague wording that may include "price in effect at the time of delivery," and c) bids made contingent upon award of other bids currently under consideration.

1.19 Responsible Standing of Bidder. To be considered for award, bidder must at least: have the ability to obtain adequate financial resources, be able to comply with required or proposed delivery/completion schedule, have a satisfactory record of performance; have a satisfactory record of integrity and ethics, and be otherwise qualified and eligible to receive award.

1.20 Confidential/Proprietary Information

If any material in the bid submission is considered by Bidder to be confidential or proprietary information (including manufacturing and/or design processes exclusive to the Bidder), Bidder **must** clearly mark the applicable pages of Bidder's bid submission to indicate each claim of confidentiality. Additionally, Bidder must include a statement on company letterhead identifying all Bid Submission section(s) and page(s) that have been marked as confidential. Jefferson County will protect from public disclosure such portions of a bid, unless directed otherwise by legal authority, including existing open records acts. Merely making a blanket claim that the entire bid submission is protected from disclosure because it contains some proprietary information is not acceptable, and will make the entire bid submission subject to release under the Texas Public Information Act.

By submitting a bid, Bidder agrees to reproduction by Jefferson County, without cost or liability, of any copyrighted portions of Bidder's bid submission or other information submitted by Bidder.

1.21 Public Bid Opening. Bidders are invited to be present at the opening of bids. After the official opening of bids, a period of not less than one week is necessary to evaluate bids. The amount of time necessary for bid evaluation may vary and is determined solely by the County. Following the bid evaluation, all bids submitted are available for public review.

2. Performance

2.1 Design, Strength, and Quality. Design, strength, and quality of materials and workmanship must conform to the highest standards of manufacturing and engineering practices. The apparent silence of specifications and/or plans as to any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of these specifications and/or plans shall be made on the basis of this statement.

2.2 Age and Manufacture. All tangible goods being bid must be new and unused, unless otherwise specified, in first-class condition, of current manufacture, and furnished ready to use. All items not specifically mentioned that are required for a complete unit shall be furnished.

2.3 Delivery Location. All deliveries will be made to the address(es) specified on the purchase order during normal working hours of 8:00 a.m. to 4:00 p.m., Monday through Friday, unless otherwise authorized by the Purchasing Agent or designee.

2.4 Delivery Schedule. Delivery time may be an important consideration in the evaluation of best value. The maximum number of days necessary for delivery ARO shall be stated in the space, if provided, on the bid form.

2.5 Delivery Charges. All delivery and freight charges, F.O.B. destination shown on Jefferson County purchase order, as necessary to perform contract are to be included in the bid price.

2.6 Installation Charges. All charges for assembly, installation and set-up shall be included in the bid price. Unless otherwise stated, assembly, installation and set-up will be required.

2.7 Operating Instructions and Training. Clear and concise operating instructions and descriptive literature will be provided in English, if requested. On-site detailed training in the safe and efficient use and general maintenance of item(s) purchased shall be provided as needed at the request of Jefferson County. Instructions and training shall be at no additional cost to the County.

2.8 Storage. Bidder agrees to provide storage of custom ordered materials, if requested, for up to thirty (30) calendar days.

2.9 Compliance with Federal, State, County, and Local Laws. Bids must comply with all federal, state, county and local laws, including, but not limited to, all applicable standard safety, emission, and noise control requirements. Any vehicles or equipment shall contain all standard safety, emission, and noise control requirements required for the types and sizes of equipment at the time of their manufacture. The contractor agrees, during the performance of work or service, to comply with all applicable codes and ordinances of Jefferson County or the State of Texas as they may apply, as these laws may now read, or as they may hereafter be changed or amended.

2.10 OSHA. The bidder will certify all equipment complies with all regulations and conditions stipulated under the Williams-Steiger Occupational Safety and Health Act of 1971, as amended. The successful bidder will further certify that all items furnished under this project will conform and comply with federal and State of Texas OSHA standards. The successful bidder will agree to indemnify and hold harmless Jefferson County for any and all damages that may be assessed against the County.

2.11 Patents and Copyrights. The successful vendor agrees to protect the County from claims involving infringements of patents and/or copyrights.

2.12 Samples, Demonstrations and Testing. At Jefferson County's request and direction, bidder shall provide product samples and/or testing of items bid to ensure compliance with specifications. Samples, demonstrations and/or testing may be requested at any point prior to or following bid award. Samples, demonstrations and/or testing may be requested upon delivery and/or any point during the term of resulting contract. All samples (including return thereof), demonstrations, and/or testing shall be at the expense of the bidder/vendor.

2.13 Acceptability. All articles enumerated in the bid shall be subject to inspection by an officer designated for that purpose by Jefferson County. If found inferior to the quality called for, or not equal in value to the specifications, deficient in workmanship or otherwise, this fact shall be certified to the Purchasing Agent, who shall have the right to reject the whole or any part of the same. Items and/or work determined to be contrary to specifications must be replaced at the vendor's expense. Inferior items not retrieved by the vendor within thirty (30) calendar days, or an otherwise agreed upon time, shall become the property of the County. If disposal of such items warrants an expense, an amount equal to the disposal expense will be deducted from amounts payable to the vendor.

2.14 Maintenance. Maintenance required for equipment bid should be available in Jefferson County by a manufacturer authorized maintenance facility. Cost for this service shall be shown on the bid sheet as requested or on a separate sheet, as required. If Jefferson County opts to include maintenance, it shall be so stated in the purchase order and said cost will be included. Service will commence only upon expiration of applicable warranties and should be priced accordingly.

2.15 Material Safety Data Sheets. Under the "Hazardous Communications Act," common known as the "Texas Right to Know Act," a bidder must provide the user department, with each delivery, material safety data sheets which are applicable to hazardous substances defined in the Act. Failure of the bidder to furnish this documentation, will be cause to reject any bid applying thereto.

2.16 Evaluation. Evaluation shall be used as a determinant as to which services are the most efficient and/or most economical for the County. It shall be based on all factors having a bearing on price and performance of the items in the user environment. All bids are subject to tabulation by the Jefferson County Purchasing Department and recommendation to Jefferson County Commissioners' Court. Compliance with all bid requirements and needs of the using department are considered in evaluating bids. Pricing is not the only criteria for making a recommendation. The Jefferson County Purchasing Department reserves the right to contact any bidder, at any time, to clarify, verify or requirement information with regard to this bid.

3. Purchase Orders and Payment

3.1 Purchase Orders. A purchase order(s) shall be generated by the Jefferson County Purchasing Agent to the successful vendor. The purchase order number must appear on all itemized invoices and packing slips. The County will not be held responsible for any work orders placed and/or performed without a valid current purchase order number. Payment will be made for all services rendered and accepted by the contract administrator for which a valid invoice has been received.

3.2 Invoices. All invoices shall reference the Purchase Order number. Invoices shall reference the bid item number or a detailed description for each item invoiced. If an item purchased and itemized on the invoice does not correspond to an item in any of the categories awarded to the vendor, invoice shall reference the item as "N/C" to indicate that it is a non-contract item. This requirement is to assist the County in verifying contract pricing on all invoices. Payment will be made under terms of net thirty (30) days unless otherwise agreed upon by seller and the purchasing department.

3.3 Prompt Payment. In accordance with the State of Texas Prompt Payment Act, Article 601f V.T.C.S., payment will be made after receive and acceptance by the County of the merchandise ordered and of a valid invoice. Successful bidder(s) is required to pay subcontractors within ten (10) days after the successful bidder receives payment from the County.

3.4 Funding. Jefferson County is operated and funded on an October 1 to September 30 basis; accordingly, the County reserves the right to terminate, without liability to the County, any contract for which funding is not available.

4. Contract

4.1 Contract Definition. The General Conditions of Bidding and Terms of Contract, Specifications, Plans, Bidding Forms, Addenda, and any other documents made a part of this bid shall constitute the complete bid. This bid, when duly accepted by Jefferson County, shall constitute a contract equally binding between the successful bidder and Jefferson County.

4.2 Change Order. No different or additional terms will become part of this contract with the exception of a change order. No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders to the contract will be made in writing and at the discretion and approval of Jefferson County. No change order will be binding unless signed by an authorized representative of the County and the vendor.

4.3 Price Re-determination. A price re-determination may be requested at the time of annual renewal. All requests for price re-determination shall be in written form. Cause for such request, i.e., manufacturer's direct cost, postage rates, Railroad Commission rates, Federal/State minimum wage law, Federal/State unemployment taxes, F.I.C.A, Insurance Coverage Rates, etc., shall be substantiated in writing by the source of the cost increase. The bidder's past experience of honoring contracts at the bid price will be an important consideration in the evaluation of the lowest and best bid. Jefferson County reserves the right to accept or reject any/all requests for price re-determination as it deems to be in the best interest of the County.

4.4 Termination. Jefferson County reserves the right to terminate the contract for default if the bidder breached any of the terms therein, including warranties of bidder or if the bidder becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies which Jefferson County may have in law or equity. Default may be construed as, but not limited to, failure

to deliver the proper goods and/or service within the proper amount of time, and/or to properly perform any and all services required to Jefferson County's satisfaction and/or to meet all other obligations and requirements. Contracts may be terminated without cause upon thirty (30) days' written notice to either party unless otherwise specified. Jefferson County reserves the right to award canceled contract to the next lowest bidder. Bidder, in submitting this bid, agrees that Jefferson County shall not be liable to prosecution for damages in the event that the County declares the bidder in default.

4.5 Conflict of Interest. Employees of the County are not permitted to maintain financial interest in, or receive payment, directly or indirectly, borrow from, lend to, invest in, or engage in any substantial financial transaction with any individual, organization, supplier, or subcontractor who does business with the County without disclosure. When conflict of interest is discovered, it shall be grounds for termination of contract.

4.6 Injuries or Damages Resulting from Negligence. Successful vendor shall defend, indemnify and save harmless Jefferson County and all its officers, agents and employees from all suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the successful vendor, or of any agent, employee, subcontractor or supplier in the execution of, or performance under, any contract which may result from bid award. Successful vendor shall pay any judgment with cost which may be obtained against Jefferson County growing out of such injury or damages.

4.7 Interest by Public Officials. No public official shall have interest in this contract, in accordance with Texas Local Government Code.

4.8 Warranty. The successful vendor shall warrant that all materials utilized in the performance of this contract shall conform to the proposed specifications and/or all warranties as stated in the Uniform Commercial Code and be free from all defects in material, workmanship and title.

4.9 Uniform Commercial Code. The successful vendor and Jefferson County agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.

4.10 Venue. This agreement will be governed and construed according to the laws of the State of Texas. This agreement is performable in the County of Jefferson, Texas.

4.11 Sale, Assignment, or Transfer of Contract. The successful vendor shall not sell, assign, transfer or convey this contract, in whole or in part, without the prior written consent of Jefferson County.

4.12 Silence of Specifications. The apparent silence of these specifications as to any detailed description concerning any point, shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

5. Federal Emergency Management Agency (FEMA) Mandated Contract Clauses

If applicable to the work and services being performed by CONTRACTOR under the parties' AGREEMENT, the following provisions are adopted and form part of this AGREEMENT:

(A) DAMAGES, 2 CFR §200.326 Appendix II to Part 200 (A)

(1) All work to be performed under this AGREEMENT shall be timely commenced. A breach of this AGREEMENT by Contractor would cause substantial delay in the completion of the required services affecting the safety and welfare of the public.

(2) In the event of Contractor's breach of its performance obligations, County shall have all rights and remedies against Contractor as provided by law.

(B) TERMINATION RIGHTS, 2 CFR §200.326 Appendix II to Part 200 (B)

Termination for Convenience: Whenever the interests of the County so require, County may terminate the parties' Agreement, in whole or in part, for the convenience of the County. County shall give Contractor thirty (30) days prior written notice of termination specifying the portions of the Agreement to be terminated and when such termination will become effective. If only portions of the parties' agreement are terminated, Contractor has the right to withdraw from the parties' Agreement, without adverse action or claims. In the event of a termination for convenience by County, Contractor shall be entitled to payment for all work and services performed by it up to the effective date of such termination.

Termination for Cause: The County may, by written notice of default to Contractor, terminate the parties' Agreement, in whole or in part, if the Contractor fails to satisfactorily perform any provisions of the parties' agreement after a period of ten (10) following Contractor's receipt of a Notice of Deficiency provided by County.

(C) EQUAL EMPLOYMENT OPPORTUNITY CLAUSE (2 CFR §200.326 Appendix II to Part 200 (C))

If applicable to the work and services performed by CONTRACTOR under the AGREEMENT, during the performance of the AGREEMENT, CONTRACTOR shall comply with the Equal Employment Opportunity Clause (41 CFR 60-1.4(b)):

(1) CONTRACTOR will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. CONTRACTOR will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. AGREEMENTOR agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) CONTRACTOR will, in all solicitations or advertisements for employees placed by or on behalf of the CONTRACTOR, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.

(3) CONTRACTOR will send to each labor union or representative of workers with which it has a collective bargaining agreement or other agreement or understanding, a notice to be provided advising the said labor union or workers' representatives of the CONTRACTOR'S commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) CONTRACTOR will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(5) CONTRACTOR will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor for purpose of investigation to ascertain compliance with such rules, regulations, and orders.

(6) In the event of the CONTRACTOR'S noncompliance with the nondiscrimination clauses of this AGREEMENT or with any of the said rules, regulations or orders, this AGREEMENT may be canceled, terminated, or suspended in whole or in part and the CONTRACTOR may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(7) CONTRACTOR will include the portion of the sentence immediately preceding paragraph (1) and the provisions of subparagraphs 1 through 7 in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or contractor. CONTRACTOR will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: provided, however, that in the event CONTRACTOR becomes involved in, or is threatened with, litigation with a subcontractor or contractor as a result of such direction by the administering agency the CONTRACTOR may request the United States to enter into such litigation to protect the interest of the United States.

D. DAVIS-BACON ACT AND COPELAND "ANTI-KICKBACK" ACT, 2 CFR §200.326 Appen. II to Part 200 (D)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT:

(1) Bacon-Davis Act: Applicable to construction or repair of public buildings or public works. see FEMA Public Assistance Program and Policy Guide, Ch.2(V)(G)(2), page 32 (FP 104-009-2/January 2016);

(2) Copeland "Anti-Kickback" Act: In contracts subject to the Davis-Bacon Act, CONTRACTOR shall comply with the Copeland "Anti-Kickback" Act (40 U.S.C. §3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that the contractor and subcontractor must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The GOVERNMENT must report all suspected or reported violations to the appropriate Federal agency.

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT:

(a) CONTRACTOR shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this AGREEMENT.

(b) CONTRACTOR or subcontractor shall insert in any subcontract the clause above and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The CONTRACTOR shall be responsible for the compliance by any subcontractor or lower tier subcontract with all of these contract clauses.

(c) A breach of the AGREEMENT clause above may be grounds for termination of the AGREEMENT, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. §5.12.

E. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, 2 CFR §200.326 Appendix II to Part 200 (E) (40 U.S.C. 3701-3708)

Contracts in excess of \$100,000 that involve the employment of mechanics or laborers shall comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor and its subcontractors shall compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation: liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

(3) Withholding for unpaid wages and liquidated damages. The GOVERNMENT shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) The contractor and subcontractor shall insert in any subcontract the clauses set forth in paragraphs (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts.

F. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT, 2 CFR §200.326 Appendix II to Part 200 (F)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT and if the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the GOVERNMENT wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the GOVERNMENT must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business."

G. CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT, 2 CFR §200.326 Appendix II to Part 200 (G)

CONTRACTOR shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

CONTRACTOR shall include the foregoing requirements in each subcontract exceeding \$100,000.

H. ENERGY EFFICIENCY AND CONSERVATION, 2 CFR §200.326 Appendix II to Part 200 (H)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT, CONTRACTOR shall comply with the mandatory standards and policies of the state regulation promulgated in accordance with the Energy Policy and Conservation Act (42 U.S.C. § 6201).

I. DEBARMENT AND SUSPENSION, 2 CFR §200.326 Appendix II to Part 200 (I)

(1) This AGREEMENT is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the CONTRACTOR is required to verify that none of the contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

(2) The CONTRACTOR must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

(3) This certification is a material representation of fact relied upon by GOVERNMENT. If it is later determined that the CONTRACTOR did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to GOVERNMENT, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

(4) The CONTRACTOR agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C AGREEMENT is valid and throughout the period of performance. The CONTRACTOR further agrees to include a provision requiring such compliance in its lower tier covered transactions.

J. BYRD ANTI-LOBBYING AMENDMENT, 2 CFR §200.326 Appendix II to Part 200 (J)

CONTRACTOR must file with the GOVERNMENT the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award. If not provided with the bid response, CONTRACTOR must complete and submit the Certification Regarding Lobbying Form.

K. PROCUREMENT OF RECOVERED MATERIALS, 2 CFR §200.326 Appendix II to Part 200 (K) and 2 CFR §200.322)

(1) In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired-

- (a) Competitively within a timeframe providing for compliance with the contract performance schedule;
- (b) Meeting contract performance requirements; or
- (c) At a reasonable price.

(2) Information about this requirement is available at EPA's Comprehensive Procurement Guidelines web site, <http://www.epa.gov/cpg/>. The list of EPA-designate items is available at <http://www.epa.gov/cpg/products/htm>.

L. AGREEMENTING WITH SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS (2 CFR §200.321)

Should the CONTRACTOR subcontract any of the work under this AGREEMENT, CONTRACTOR shall take the following affirmative steps: place qualified small and minority businesses and women's business enterprises on solicitation lists; assure that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources; divide total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises; establish delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and use the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

M. ACCESS TO RECORDS

(1) CONTRACTOR agrees to provide GOVERNMENT, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives' access to any books, documents, papers, and records of the Contractor which are directly pertinent to this AGREEMENT for the purposes of making audits, examinations, excerpts, and transcriptions.

(2) CONTRACTOR agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

(3) CONTRACTOR agrees to provide the FEMA Administrator or his authorized representatives' access to construction or other work sites pertaining to the work being completed under the contract.

N. SEAL, LOGO AND FLAGS

CONTRACTOR shall not use the U.S. Department of Homeland Security's seal(s), logos, crests, or reproductions of flags or likenesses of the U.S. Department of Homeland Security's agency officials without specific FEMA preapproval.

O. COMPLIANCE WITH FEDERAL LAW, REGULATIONS AND EXECUTIVE ORDERS

This is an acknowledgement that FEMA financial assistance will be used to fund the AGREEMENT only. CONTRACTOR will comply with all federal law, regulations, executive orders, FEMA policies, procedures, and directives.

P. NO OBLIGATION BY FEDERAL GOVERNMENT

The Federal Government is not a party to this AGREEMENT and is not subject to any obligations or liabilities to GOVERNMENT, CONTRACTOR, or any other party pertaining to any matter resulting from the contract.

Q. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS

CONTRACTOR acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the CONTRACTOR'S actions pertaining to this contract.

Special Requirements/Instructions

The following requirements and instructions supersede General Requirements where applicable.

1. Bid Requirement

Each bidder shall ensure that required parts of the bid are completed with accuracy and submitted as per the requirements within this specifications packet, including any addenda.

Bidder is responsible for submitting one (1) *original* bid copy to include a completed copy of this specifications packet in its entirety; and three (3) numbered bid copies to include at a minimum all pages requiring completion and/or marked with instructions to be returned with bid submission and any other documentation requested within these specifications.

All bids shall be tightly sealed in an opaque envelope or box and plainly marked "SEALED BID." The outside of the envelope or box shall also include: Bid Number, Bid Name, Bid Due Date, Bidder's Name and Address; and shall be addressed to the Purchasing Agent.

Jefferson County shall not be responsible for any effort or cost expended in the preparation of a response to this IFB. All protests should be coordinated through the Purchasing Office prior to award recommendation to Commissioners' Court.

2. Vendor Registration: SAM (System for Award Management).

Vendors doing business with Jefferson County are **required** to be registered with The System for Award Management (SAM), with an "active" status. The System for Award Management (SAM) is the Official U.S. Government system that consolidated the capabilities of CCR/FedReg, ORCA, and EPLS. There is NO fee to register for this site. Entities may register at no cost directly from the SAM website at: <https://www.sam.gov>

Bidders are strongly encouraged to review their firm's SAM (System for Award Management) status prior to Bid Submission.

3. Awarded Vendor(s): Submission of FORM 1295 (Texas Ethics Commission)

In accordance with House Bill 1295 (passed January 1, 2016), Vendors entering into contracts and professional agreements with Jefferson County will be required to complete a Certificate of Interested Parties (FORM 1295).

In 2017, the Texas legislature amended the law to require Form 1295 to include an "unsworn declaration" which includes, among other things, the date of birth and address of the authorized representative signing the form. The unsworn declaration, including the date of birth and address of the signatory, replaces the notary requirement that applied to contracts entered into before January 1, 2018. The TEC filing application does not capture the date of birth or street address of the signatory and it will not appear on forms that are filed using the TEC filing application.

Upon entering into a contract or professional agreement, the Jefferson County Purchasing Department will submit a request to the Vendor to both:

1. Submit a FORM 1295 online via the Texas Ethics Commission website link below.

Vendors must enter the required information on Form 1295, and print a copy of the completed form. The form will include a certification of filing that will contain a unique certification number.

2. Submit a FORM 1295 hard copy (completed & signed by an Authorized Agent of the Awarded Vendor), to the Jefferson County Purchasing Department.

FORM 1295, Completion Instructions, and Login Instructions are available via the Texas Ethics Commission Website at: https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

4. Multiple Vendor Award

Jefferson County reserves the right to award this contract to more than one vendor at the County's discretion.

5. Delivery

If delivery is required, all items must be packaged so as to be protected from damage during shipping and handling. Any item(s) damaged in shipping must be replaced in kind, or repaired, by the contractor, at the discretion of, and at no additional charge to, Jefferson County.

6. Payment

Jefferson County will pay original invoices that clearly itemize the goods and/or services provided as to quantity, part number, description, price, applicable discount (if any), labor charges showing time differential, if applicable and if previously agreed to, and delivery, installation, and set-up costs, if applicable and if previously agreed to. Only charges as stated on the Bid Form(s) submitted as a part of the bid will be considered.

Invoices must indicate Jefferson County as applicable, the address to which the product(s) and/or service(s) were delivered, and the applicable purchase order number. Invoices will be matched to delivery tickets prior to payment; therefore, all delivery tickets should have an accurate description of the product(s) and/or service(s).

Invoices shall be submitted to: Jefferson County Auditing Department, Attention: Accounts Payable, 1149 Pearl Street, 7th floor, Beaumont, TX 77701.

7. Usage Reports

Jefferson County reserves the right to request, and receive at no additional cost, up to two (2) times during the contract period, a usage report detailing the products and/or services furnished to date under a contract resulting from this IFB. The reports must be furnished no later than five (5) working days after written request and itemize all purchases to date by Jefferson County department, description of each item purchased, including manufacturer, quantity of each item purchased, per unit and extended price of each item purchased, and total amount and price of all items purchased.

8. Insurance

The contractor (including any and all subcontractors as defined in Section 9.1.3 below) shall, at all times during the term of this contract, maintain insurance coverages with not less than the type and requirements shown below. Such insurance is to be provided at the sole cost of the contractor. These requirements do not establish limits of the contractor's liability.

All policies of insurance shall waive all rights of subrogation against the County, its officers, employees and agents; a copy of the policy wording or endorsement is required.

Contractor shall furnish Jefferson County with Certificate of Insurance and applicable endorsements.

All insurance must be written by an insurer licensed to conduct business in the State of Texas.

Minimum Insurance Requirements

General Liability, including Products	\$1,000,000
Business Auto Liability	\$1,000,000
Cargo / Transit Coverage	Replacement Cost Value of Equipment Purchased
Excess Liability	\$1,000,000
Workers' Compensation	Statutory Coverage

9. Workers' Compensation Insurance

9.1 Definitions:

- 9.1.1 **Certificate of coverage ("Certificate")** – A copy of a certificate of insurance, a certificate of authority to self-insure issued by the commission, or a coverage agreement, DWC-81, DWC-82, DWC-83, or DWC-84 showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the duration of the project.
- 9.1.2 **Duration of the project** – Includes the time from the beginning of the work on the project until the contractor's/person's work on the project has been completed and accepted by the governmental entity.
- 9.1.3 **Persons providing services on the project ("subcontractor") in article 406.096** – Includes all persons or entities performing all or part of the services under the contractor has undertaken to perform on the project, regardless of whether that person contracted directly with the contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractor, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services on the project. "Services" includes, without limitation, providing, hauling or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the project, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.
- 9.2 The Contractor shall provide coverage, based on proper reporting of classification code and payroll amounts and filing any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all employees of the contractor providing services on the project, for the duration of the project.
- 9.3 The Contractor must provide a certificate of coverage to the governmental entity prior to being awarded the contract – refer to Section 8 above.
- 9.4 If the coverage period shown on the Contractor's current certificate of coverage ends during the duration of the project, the Contractor must, prior to the end of the coverage period, file a new certificate of coverage with the governmental entity showing that coverage has been extended.
- 9.5 The Contractor shall obtain from each person providing services on a project, and provide to the governmental entity:
 - 9.5.1 A certificate of coverage, prior to that person beginning work on the project, so the governmental entity will have on file certificates of coverage showing coverage for all persons providing services on the project; and
 - 9.5.2 No later than seven (7) days after receipt by the Contractor, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate ends during the duration of the project.
- 9.6 The Contractor shall retain all required certificates of coverage for the duration of the project and for one (1) year thereafter.
- 9.7 The Contractor shall notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the contractor knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project.
- 9.8 The Contractor shall post on each project site a notice, in the text, form and manner prescribed by the Texas Department of Workers' Compensation, informing all persons providing services on the project that they are required to be covered, and stating how a person may verify coverage and report lack of coverage.

- 9.9 The Contractor shall contractually require each person with whom it contracts to provide services on a project to:
- 9.9.1 Provide coverage, based on reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all its employees providing services on the project, for the duration of the project.
 - 9.9.2 Provide to the Contractor, prior to that person beginning work on the project a certificate of coverage showing that coverage is being provided for all employees of the person providing services on the project, for the duration of the project.
 - 9.9.3 Provide the Contractor, prior to the end of coverage period, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project.
 - 9.9.4 Obtain from each person with whom it contracts, and provide to the Contractor:
 - 9.9.4.1 A certificate of coverage, prior to the other person beginning work on the project; and
 - 9.9.4.2 the coverage period, if the coverage period shown on the current certificate of a new certificate of coverage showing extension of coverage, prior to the end of coverage ends during the duration of the project.
 - 9.9.5 Retain all required certificates of coverage on file for the duration of the project and for one (1) year thereafter.
 - 9.9.6 Notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the person knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project; and
 - 9.9.7 Contractually require each person with whom it contracts to perform as required by paragraphs 9.1. – 9.7., with the certificates of coverage to be provided to the person for whom they are providing services.
- 9.10 By signing this contract or providing or causing to be provided a certificate of coverage, the Contractor is representing to the governmental entity that all employees of the contractor who will provide services of the project will be covered by workers' compensation coverage for the duration of the project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.
- 9.11 The Contractor's failure to comply with any of these provisions is a breach of contract by the Contractor which entitles the governmental entity to declare the contract void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the governmental entity.

Minimum Specifications

The following requirements and specifications supersede General Requirements where applicable. Any questions relating to these requirements should be directed to Jamey West, Assistant Purchasing Agent, at 409-835-8593 or jwest@co.jefferson.tx.us. Bidders may submit technical questions to: Jason Castille, with Jefferson County Precinct No. 3 at pct3sc@co.jefferson.tx.us. Please reference bid number IFB 18-013/JW.

Please be sure to review these bid specifications *carefully*, as the item that you are offering must **MEET OR EXCEED** these specifications.

Scope

Jefferson County is soliciting bids for heavy equipment to replace equipment that was damaged and rendered unreparable due to Hurricane Harvey. **All bids should be for brand new, completely unused equipment.**

The specifications shown in this bid packet are intended to define the level of quality, performance, and features ONLY. Products offered shall be of equivalent dimensions, quality, performance and features or better (the brand name product listed is not required).

Instructions to Bidders (Re: Brand Reference / Equivalent Item Bids)

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders Submitting Bids for Alternate/Equivalent Items:

► Bidders may submit bids on alternate/equivalent items, but **MUST** attach TWO (2) COPIES of the MANUFACTURER SPECIFICATIONS (to include full warranty terms) for any alternate at the time of the bid.

► Bidders offering alternate/equivalent items **MUST ALSO** submit an ITEMIZED COMPARISON documenting equivalence for dimensions, quality, performance, and features of the products offered.

Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders Submitting Bids for Exact Make/Model as specified:

► Bidders offering the exact make/model as specified, **MUST** attach TWO (2) COPIES of the MANUFACTURER SPECIFICATIONS (to include full warranty terms).

No BID

Bid Item 1: Motor Grader

One (1) Mustang CAT Model: 120M2 Motor Grader or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey. This piece of equipment is to be in new, unused condition.

For full technical specifications for this bid item, see APPENDIX A.

Warranty Term for this equipment (included, without additional cost) should be at least: Five (5) calendar years from the date of delivery of equipment. The first year of warranty should cover the powertrain and hydraulics for an unlimited amount of hours; with warranty years 2-5 to cover 3,000 hours for powertrain and hydraulics.

Trade-In: Jefferson County will be trading in a used and **flood-damaged** 1998 Champion Motor Grader Model 710 A towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 1: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 22-36).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERRED & EXCEPTIONS LIST**, (Page 37).

No Bid

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Machine designed and built by the manufacturer
- _____ Base Machine Weight shall not be less than 37,214 lbs. Weight shall include: standard machine configuration, lubricants, coolants, full fuel tank and operator of 200 lbs.
- _____ Machine height to top of the cab shall not exceed 131 in.
- _____ Machine length from the front outside edge tire to end of tow hitch shall not be less than 344 in.
- _____ Machine length from counterweight to ripper not exceed 394 in.
- _____ Machine Wheel Base (distance from front axle to mid tandem) shall not be less than 233 in.
- _____ Rear frame includes two box section channels with an integrated bumper as standard.
- _____ Toolbox
- _____ Window protectors
- _____ Cruise control
- _____ Drain, ecology, engine Wiggins
- _____ Cat Product Link 321SR

BASIC SPECIFICATIONS – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Vandal protection standard including locks for cab doors, engine side shields, (4) top tank radiator access door, engine coolant surge tank, hydraulic reservoir cap, fuel tank cap and toolbox.
- _____ Rear hitch.

ENGINE

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Engine designed and built by the manufacturer.
- _____ Engine is turbo-charged, direct injection, four stroke, 6-cylinder diesel engine.
- _____ 209 horsepower
- _____ Engine is certified EPA Tier 4 Final.

No Bid

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ENGINE (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Engine electronically controlled for more efficient fuel injection and fuel burn.
- ☐ Engine able to achieve rated power requirement with engine displacement not less than 7.1L (428 in.³) for better fuel economy.
- ☐ Engine capable of increasing its low idle to 1,000 rpm when the battery voltage is below 24.5 volts for more than 5 minutes to ensure adequate system voltage and battery reliability.
- ☐ Altitude deration will not occur at altitudes less than 10,000 ft. The deration rate above 10,000 ft. shall be 1.5% per 1,000 ft.
- ☐ Rated engine power shall not be achieved at an engine speed greater than 2,100 rpm.
- ☐ Engine will have a minimum torque rise of 56% from 2,100 rpm to peak torque following SAE J1349 (net power with max fan).
- ☐ Engine enclosure and daily service points accessible from ground level and grouped on the left side of the machine.
- ☐ Engine fan automatically adjusts fan speed via a variable hydraulic fan pump to meet engine cooling requirements thus reducing demand on the engine, putting more horsepower to the ground, reducing noise, improving fuel economy, and reducing heat.
- ☐ Engine allows for at least 500 hours of operation between oil changes.
- ☐ Engine is isolation/resilient mounted to minimize sound and vibration.
- ☐ Engine compartment doors are lockable without the use of external locks.
- ☐ Engine automatically lowers engine torque and alerts the operator if critical conditions are detected.
- ☐ Engine has air-to-air after cooler for superior engine performance.
- ☐ Engine oil cooler is a water to oil shell and tube cooler system.
- ☐ Machine has a 12,000 hour coolant interval from factory.
- ☐ The cooling package air intake has 2.8 mm perforated inlet screen.
- ☐ The charged air cooler (ATAAC) has 9 fins per inch.
- ☐ Heater, engine coolant: 120 V
- ☐ Heater, engine coolant: 240 V

No Bid

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ENGINE-OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ A jacket water heater to assist in cold weather starting.
- _____ An engine coolant heater to assist in cold weather starting.
- _____ Ether starting aid included to automatically meter ether injection to prevent engine damage.

POWERTRAIN/TRANSMISSION

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Transmission built by the machine manufacturer.
- _____ Transmission is direct drive, power shift, countershaft type.
- _____ Transmission is equipped with built-in self-diagnostic capability.
- _____ Transmission shall have no less than 8 forward speeds and 6 reverse speeds (for added safety).
- _____ Transmission has 5 working gears between 0-10.4 mph, for dirt applications.
- _____ Transmission is isolated/resilient mounted to reduce sound and vibration.
- _____ Transmission: auto shift.
- _____ Powertrain: fuel tank, fast fill.
- _____ Powertrain: Oil, hydraulic, biodegradable synthetic.
- _____ Starter: heavy duty, 1,000 Amp
- _____ A controlled throttle shifting system to smooth directional gear changes without use of inching pedal
- _____ Electronic Throttle Control (cruise control), controlled by a push button, located on a 3-axis joystick as standard on the right joystick control for resuming and decreasing throttle set.
- _____ Electronic Throttle Control modes, set and accelerate functions, located on the right control column for easy access.
- _____ A load compensating system for transmission to ensure consistent shift quality in all applications.
- _____ Automatic Differential Lock/Unlock feature included and shall not have speed, shuttle shifting or tandem spinning restrictions for engaging/disengaging. System is load-sensing for optimal performance.
- _____ Automatic mode that shall not be overridden via manual intervention for optimal performance and to prevent unintended differential engagement.

No Bid

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

POWERTRAIN/TRANSMISSION (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Differential Lock/Unlock that is electro-hydraulically controlled, as a standard feature.
- _____ Differential Lock/Unlock that is multi-disc design.
- _____ Final drive with planetary design.
- _____ The rear axle with a bolt-on modular design offering easy access to differential components, improving serviceability and contamination control.
- _____ The total surface area of all the transmission clutch packs not be less than 1,495 in.².
- _____ Diameter at the output end of the transmission shaft no less than 2.29 in..
- _____ Electronic inching pedal for improved modulation and machine control.
- _____ Electronic over-speed protection to prevent the engine and transmission from over speeding, as a standard feature.
- _____ Machine shall have no drive shafts that cross over the articulation hitch.

POWERTRAIN/TRANSMISSION - OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ An auto-shift transmission option available on all forward and reverse gears.

STEERING & IMPLEMENT CONTROLS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Steering wheel shall not be required to operate machine.
- _____ Joystick steering capabilities shall be ISO 5010.
- _____ Machine shall employ a friction pack style steering mechanism, utilizing the follow steer concept.
- _____ The left 3-axis joystick that controls wheel lean with individual left and right wheel lean buttons as standard.
- _____ Primary steering capable of being achieved via a left hand, multifunction, 3-axis, joystick as standard, using an intuitive steering control system that automatically adjusts steering sensitivity as machine ground speed increases.
- _____ Articulation to the right or left shall be achieved by multifunction, 3-axis left joystick with the twist of such to the right or left by the left-hand, multifunction, 3-axis joystick.

No Bid

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STEERING & IMPLEMENT CONTROLS (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ An articulation return-to-center button on the left multifunction, 3-axis, joystick, shall return the machine to a straight frame position from any articulation angle with the touch of a single button.
- _____ The right 3-axis joystick shall primarily control the Drawbar, Circle, and Moldboard.
- _____ Machine, Drawbar, Circle, and Moldboard control shall be achieved via right-hand multifunction, 3-axis, joystick, including moldboard slide and tip, drawbar center shift through a 4-way hat switch and circle turn by a left or right twist intuitively.
- _____ Blade lift cylinders individually controlled by the multifunction, 3-axis joysticks; Lift and drop of cylinders shall be achieved forward and back motion of the respective joystick. Forward (left joystick) lowers the left cylinder, back (left joystick) raises the left lift cylinder, forward (right joystick) lowers the right lift cylinder, back (right joystick) raises the right lift cylinder.
- _____ Joystick controls mounted to adjustable pedestals, hard mounted to the cab floor, independent of the operator seat.
- _____ Secondary steering with primary and secondary power supply in the event the primary source is lost.
- _____ Transmission direction control with a 3-position rocker switch for selecting forward, neutral, and reverse incorporated into a single, 3-axis, multi-function, left-hand joystick control.
- _____ Manual Differential Lock/Unlock that is operator controlled, via a push-button, located on a single, 3-axis, multi-function, right-hand joystick control.
- _____ Two redundant articulation sensors.
- _____ Two redundant sensors shall be standard in the steering cylinders (one in each).
- _____ Three redundant sensors shall be provided in the steering joystick for additional safety.

BRAKES

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Primary and secondary service brakes.
- _____ Entire braking system shall meet all requirements of ISO 3450: 1996.
- _____ Two separate left and right hydraulic brake accumulators shall be standard for safety.
- _____ Parking brake shall be multi-disc, oil-cooled, spring-applied, hydraulically released, sealed, adjustment-free and integrated into the transmission. Park brake shall not be externally located.
- _____ Parking brake shall be serviceable without removing the transmission.
- _____ Service brakes shall be multi-disc, oil-cooled and completely sealed; they will also provide access to check and determine brake wear without removing or disassembling the brake assembly.

No Bid

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

BRAKES (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Service brake disc surfaces shall be grooved and carry oil between discs and plates with brakes fully applied.
- _____ Service brakes shall be hydraulically actuated, utilizing dual independent brake circuits.
- _____ Brakes shall be continuously pressurized, filtered, oil cooled.
- _____ Individual brake pods for each rear wheel, located at each rear wheel inside the tandem box, independent of tandem chains.
- _____ Compensation components at all four tandem brake pods in addition to the brake wear indicator.
- _____ Brake line protection, including tandem walkways and hydraulic brake line guarding, shall be required to prevent line damage.
- _____ Service brakes shall provide a minimum of 3,565 in.² of total friction material surface area used at each of the four tandem wheels to eliminate braking loads on the power train.

HYDRAULIC SYSTEM

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Triple redundant hydraulic relief system shall protect machine hydraulic components.
- _____ Hydraulic implement pump shall produce between 0 and 55.5 gal/min (210L/min) of oil flow at high idle.
- _____ Hydraulic system shall be a closed center, load sensing type, with a variable displacement, axial piston-type pump.
- _____ Hydraulic system shall be fully sealed, using Duo-cone and O-ring face seals to prevent leaks, contamination, and spillage.
- _____ Hydraulic tank shall have a baffling system to reduce potential pump cavitations.
- _____ Maximum hydraulic system pressure shall be no more than 3,500 psi.
- _____ Implement valves shall be electro-hydraulic, designed and built by the machine manufacturer.
- _____ Implement pump shall not be mounted under cab floor, minimizing sound and vibration.
- _____ Hydraulic arrangements with one or more additional hydraulic valves for rear ripper, dozer.
- _____ Implement valves shall be proportional priority pressure compensating for consistent response, when multi-functioning any combination of implement controls and independent of engine speed.
- _____ Implement pump solely dedicated to implement controls and not shared with any other components.
- _____ Lock valves integrated into the main implement valve to prevent cylinder drift.

No Bid

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

HYDRAULIC SYSTEM (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ The hydraulic stand-by pressure shall be no more than 609 psi.
- _____ Provision to install up to fifteen modulating hydraulic valves, controlled by two, three-axis, multi-functioning, joystick controls and auxiliary controls inside the cab.
- _____ Hydraulic valves shall not be mounted under the cab floor, minimizing sound and vibration.
- _____ Left and right blade lift cylinders shall have independent float capability, actuated by two multifunction, 3-axis joystick controls inside the cab, as a standard feature.
- _____ Sight gauge provided for checking hydraulic reservoir fluid.
- _____ Hydraulic oil change service interval shall be no less than 6,000 hours with oil sampling.
- _____ Hydraulic system shall have a separate oil tank solely dedicated to the implement pump.

FRONT AXLE AND TANDEMS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Front axle oscillation shall be no less than 32 degrees total, per side 16 degrees up, 16 degrees down.
- _____ Front axle with arched design for maximum ground clearance.
- _____ Wheel spindle shall be a "live" spindle design and rotate inside a sealed compartment with lightweight oil for lubrication of the bearings.
- _____ Front spindle that is heat induction hardened.
- _____ Front wheel spindle bearings shall be a double-tapered design with the larger diameter bearing mounted closest to the centerline of the front tire.
- _____ Front wheel spindle maintenance intervals shall be no less than 2,000 hours.
- _____ Front wheel steering angle no less than 47.5 degrees left or right.
- _____ Maximum front wheel lean no less than 18 degrees left or right.
- _____ Machine turning radius not exceed 24 ft. 3 in. using front steering, full articulation and unlocked differential.
- _____ Distance between center of tandem wheels no less than 59.5 in..
- _____ Tandem chain pitch not be less than 1.8 in..
- _____ Tandems capable of oscillating 15 degrees front tandem up and 25 degrees front tandem down, with full machine articulation and having no interference between tandem wheel and machine structure.

No Bid

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

FRONT AXLE AND TANDEMS (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Electronic and mechanical steering stops located at each wheel and steering cylinder relief valves shall be present to prevent steering system damage during normal operation.
- _____ Steering tie rod ends shall be heat induction hardened.
- _____ Two steering cylinders for maximum steering force.
- _____ When equipped with a ripper, the machine shall have a minimum ramp angle of 15 degrees.

TIRES AND RIMS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ A 10 inch by 24 inch size 3-piece tire rim shall be available to provide mounting for 14.00R24 conventional tires.

TIRES AND RIMS – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ A 14 inch by 25 inch size 3-piece tire rim shall be available to provide mounting for 17.5-R25 tires.

GUARDS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Guards: Sound suppression (bottom)
- _____ Guards: Sound suppression (enclosure)
- _____ Guards: Transmission

OPERATORS STATION

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ An enclosed cab with ROPS (Rollover Protective Structure) according to ISO 3471 shall be provided.
- _____ Cab door with hold-open clasp with a ground-level release and in addition to, a release in the cab.
- _____ Cab shall be isolation-mounted to the front frame section of the machine.
- _____ Cab shall have fixed front window of laminated glass with intermittent wiper.

No Bid

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

OPERATORS STATION (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ FOPS (Falling Object Protective Structure) shall be provided according to ISO 3499.
- ☐ Machine shall have no less than 17 adjustable vents, positioned to direct air to front windows and operator.
- ☐ Radio ready arrangement will include 24V to 12V converter, two speakers, antenna, and wiring.
- ☐ An instrument cluster that includes a speedometer, tachometer, coolant temperature, fuel and articulation angle gauge.
- ☐ Operator cab fresh air-filter accessible for clean out and replacement, from outside of the cab at ground level.
- ☐ A real-time information system shall monitor all system data and alert the operator of any faults through a digital text display. This information system shall be programmable for multiple languages.
- ☐ Left and right side cab doors shall be provided.
- ☐ Wipers on side and rear windows.
- ☐ Digital machine hour meter.
- ☐ Electronic message system shall provide real-time machine performance and diagnostic data.
- ☐ Mirrors, outside: heated 24 V
- ☐ Mirrors, outside: mounted
- ☐ Precleaner: HVAC
- ☐ Radio Ready, AM/FM
- ☐ Shade, sun
- ☐ Forward visibility shall be continuous and unobstructed glass from roofline to floor providing visibility of the blade, heel and toe, back of the cutting edge, and front tires.
- ☐ Access to cab shall be three anti-skid steps.
- ☐ Cab shall have cup holder, personal cooler holder/storage compartment for operator's manual, with a molded floor mat.
- ☐ Window washer fluid bottle refill spout shall be located external of the cab.
- ☐ Auxiliary control pod, with implement float control capability, shall be available.

No Bid

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

OPERATORS STATION – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Auxiliary controls shall be available for control of attachment implements and/or work tools, and shall be programmable via computer software.
- _____ Auxiliary controls shall be a fingertip control type and located beside the right-hand joystick control.
- _____ Integrated display and wiring for a rear vision camera shall be available with capability to view at all times without interfering with the gauge and diagnostic display.
- _____ A rear sun shade shall be available.
- _____ A rear defroster fan shall be available.
- _____ An air suspension seat shall be available.

CIRCLE & MOLDBOARD

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Drawbar, circle, and moldboard shall be controlled with a maximum of two multifunction, 3-axis joysticks, as standard.
- _____ Drawbar wear strips shall be replaceable drop-in inserts made from nylon composite materials, replaceable and adjustable from the top of the drawbar plate via removable cover plates.
- _____ The drawbar shall feature welded protective wear plates to prevent lift group contact with the primary drawbar structure.
- _____ The moldboard shall be 12 ft. long, 24 in. high and no less than 7/8 in. thick.
- _____ Moldboard shall have a bank slope angle capability of at least 90 degrees to both sides.
- _____ Moldboard shall have no less than 16.3 in. arc radius (blade curvature) for optimum productivity.
- _____ The moldboard retention system shall have no more than two retention points located on the left and right side of the moldboard. The surface area shall not be less than 78.13 in.².
- _____ Moldboard shall have a hydraulic tip control through a range of 40 degrees fore and 5 degrees aft.
- _____ Moldboard wear strips shall be adjusted with lock screws, providing shim-less adjustment capability both vertical and horizontal.
- _____ The moldboard shall be pre-stressed during manufacturing for superior strength and durability.
- _____ Moldboard side rails shall be constructed of heat-treated, high carbon steel and have replaceable bronze alloy wear inserts on top and bottom.

No Bid

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

CIRCLE & MOLDBOARD (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Circle shall be a single piece, rolled-ring forging, with raised wear surfaces on the top and bottom.
- _____ Circle shall be rotated by a hydraulically driven motor with a minimum circle pinion torque capability of 44,253 ft.-lb.
- _____ Circle teeth contact surfaces shall be induction-hardened on the front 240 degrees of the circle.
- _____ Blade lift and center shift cylinders shall have replaceable bronze-alloy wear inserts in the ball sockets with removable shims to insure the ability to remove free play throughout the useful wear insert life.
- _____ The lift cylinder casting shall be welded to the front frame for added strength and structural integrity.
- _____ The standard mounting hardware for cutting edges and end bits shall be 3/5 inch.
- _____ Linkbar pin shall be separate from pin pulling mechanism for easier service and lower O&O costs.
- _____ The draft frame pivot connection shall have a single ball stud with grease zerk. Ball stud shall be bolt-on, shimable and adjustable to allow for quick and easy field serviceable design.
- _____ Three sideshift anchor positions shall be provided for extended reach capability as standard.
- _____ Pinion Gear shall be separate from the Pinion Shaft to allow for a quick and easy serviceable design.
- _____ Circle outside diameter shall be no less than 60.2 in.
- _____ Throat clearance with standard moldboard shall be at least 126 mm.
- _____ There will be no more than 6 replaceable wear inserts between the circle and drawbar providing at least 163 in.² of wear surface area.

CIRCLE & MOLDBOARD – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Blade lift accumulators shall be provided, protecting cutting edge and other components from damage shock loads as an option.

No Bid

Bid Item 1: Motor Grader
TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

WORK TOOLS

✓ Check Here If Feature
 Is to be INCLUDED (for Price Bid):

- _____ Blade extension, left hand (2 ft.)
- _____ Cutting edges, curved
- _____ Endbits, overlay
- _____ Front lift group, mounting
- _____ Front lift group, mechanical
- _____ Grader bit, narrow and super penetration
- _____ Push plate, counterweight
- _____ Ripper, mounting
- _____ Ripper, rear
- _____ Ripper tooth

ELECTRICAL

✓ Check Here If Feature
 Is to be INCLUDED (for Price Bid):

- _____ Six 3 X 3 halogen mounted cab lights.
- _____ 24 V to 12 V converter with 10-amp capacity.
- _____ Starting system shall be a 24 V direct electric type.
- _____ Incandescent white reversing lamps and LED stop lamps shall be provided.
- _____ Electrical system shall have a master disconnect switch with a removable key (in addition to the ignition switch), accessible from the ground level.
- _____ Core machine systems shall be electronically connected, optimizing performance and preventing machine damage.
- _____ All wiring arranged and located so as to facilitate regular visual inspections, not to be in contact with hot surfaces and not routed with other services lines (e.g. fuel, oil, etc.)
- _____ All harnesses/cabling secured with clipping clamps providing a gap between the conduit/harness and the mounting surface preventing material build-up.

No Bid

Bid Item 1: Motor Grader
TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ELECTRICAL – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
 Is to be INCLUDED (for Price Bid):

- ☐ 800 CCA batteries
- ☐ 80 amp alternator
- ☐ High and low bar headlights with front turn signals.
- ☐ Amber LED high-speed strobe beacon.
- ☐ 24V to 12V converter with 25 amp capacity.
- ☐ Lights: high
- ☐ Lights: low
- ☐ Lights: Working lights, basic
- ☐ Lights: Working lights, plus
- ☐ Lights: Warning: beacon or strobe
- ☐ Lights: Mounting for warning light

SERVICEABILITY

✓ Check Here If Feature
 Is to be INCLUDED (for Price Bid):

- ☐ High-speed oil drain system with ground level quick-connect access.
- ☐ Lockable swing-out cooling fan housing featuring a latch-style mechanism (shall not be of a bolted design), allowing easy access to cores. Ability to open/close shall be ground level accessible, eliminating need to climb on machine.
- ☐ Dip stick (at ground level) for checking transmission fluid.
- ☐ Hydraulic tank site gauge, readable from the ground.
- ☐ Hydraulic tank filter (cartridge style filter) providing a separate filter element, housing, and drain valve for quick and clean servicing.
- ☐ Ability for ground level fueling.
- ☐ Sampling ports accessible from the tandem level and providing access to the engine, hydraulic, coolant, and fuel ports.
- ☐ A two-way communication tool shall give service technicians easy access to stored diagnostic data and allow configuration of machine parameters.



No Bid

Bid Item 1: Motor Grader
TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

SERVICEABILITY (Continued)

✓ Check Here If Feature
 Is to be INCLUDED (for Price Bid):

- _____ The articulation joint shall have mechanical locking device to prevent frame articulation while servicing or transporting the machine.
- _____ Left and right side tandem case assemblies shall be covered with punched steel plate to provide an adequate platform for standing and walking.
- _____ Sampling ports shall be accessible from the tandem level and provide access to the engine, hydraulic coolant, and fuel ports.
- _____ Engine primary and final fuel filters with 500 hour service replacement interval.
- _____ Engine with primary fuel filter with fuel water separator and electronic sensor, quick release dual stage filter and primer pump.
- _____ Centralized lube bank at the articulation joint to give access to difficult zerks.
- _____ Transmission filter restriction indicator displayed in the cab.
- _____ Lock-out Tag-out capabilities provided standard to increase the safety levels during down time; ensuring that an energy isolating device and the machine which are being worked cannot be operated.

SERVICEABILITY – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
 Is to be INCLUDED (for Price Bid):

- _____ Guard to protect the machine's transmission from debris.
- _____ Guard to suppress sound from the engine.

MINIMUM SERVICE FILL CAPABILITIES

✓ Check Here If Feature
 Is to be INCLUDED (for Price Bid):

- _____ Standard fuel tank capacity of at least 90 gallons.
- _____ Standard cooling system capacity of at least 12.9 gallons.
- _____ Standard hydraulic tank capacity of at least 16.9 gallons.
- _____ Standard engine oil capacity of at least 7.9 gallons.
- _____ Standard tandem housing capacity of at least 15.6 gallons.
- _____ Standard front wheel spindle bearing housing capacity of at least 0.1 gallons.
- _____ Standard circle drive housing capacity of at least 1.8 gallons.

No Bid

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

SAFETY AND ENVIRONMENTAL

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Circle drive slip clutch to reduce horizontal moldboard impact damage.
- ☐ Black glare-reducing paint on the front frame and engine enclosure to decrease glare from other equipment lights and reflection from the sun and snow.
- ☐ Hydraulic implement lock-out, achievable by actuating a single electrical switch within the operator station.
- ☐ An external emergency kill switch for ground level engine shut down.
- ☐ Secondary, electric steering pump with redundant wiring as a back-up to the primary implement hydraulic pump.
- ☐ Laminated glass for the front windows and doors, to protect the operator from shattered glass.
- ☐ Dual exits allowing for emergency egress should one side become obstructed.
- ☐ Electrical system with master disconnect switch with a removable key and lock for added safety (in addition to ignition switch).
- ☐ Steering software system to automatically reduce steering sensitivity as the ground speed increases.
- ☐ Back-up lights and sounding alarm when reverse gears are selected.
- ☐ Environmentally friendly drain valves for the hydraulic oil, engine oil, engine coolant, transmission, differential and fuel tank.
- ☐ Cooling fan with both shroud and rear grill for protection during service.
- ☐ Machine shall allow cab interior and exterior lights to remain on separate from ignition switch, for safe exit of the machine during night operation.
- ☐ Engine and transmission shall be rubber isolation mounted to reduce noise and vibration.

SAFETY AND ENVIRONMENTAL – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Guard shall be available to protect the machine's transmission from debris.
- ☐ Rear vision camera with integrated display and wiring.

Please Print Clearly or Type.

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Bid Item 2: Pneumatic Roller

One (1) BOMAG Model: BW11RH-5 Pneumatic Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Pneumatic Roller is to be complete with All Standard Equipment including ROPS/FOPS, Water Sprinkler System, Rotary Beacon, and Additional Ballast to 2,313 lbs., Cocoa Mats and Back-Up Alarm.

For full technical specifications for this bid item, see APPENDIX B.

Warranty term for this equipment (included, without additional cost) should be at least: One (1) calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade In: Jefferson County will be trading in a used and **flood-damaged** Dynapac CP142 (SN: 1000-500C0B000882) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 2: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 39-40).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 2: Pneumatic Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 41).



**JEFFERSON COUNTY, TEXAS
PURCHASING DEPARTMENT**

1149 Pearl Street – First Floor
Beaumont, Texas 77701
409-835-8593 phone

ADDENDUM TO IFB

IFB Number: IFB 18-013/JW

IFB Title: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

IFB Due: 11:00 am CDT, Tuesday, June 19, 2018

Addendum No.: 1

Issued (Date): June 7, 2018

TO BIDDER: This Addendum is an integral part of the IFB package under consideration by you as a Bidder in connection with the subject matter herein identified. Jefferson County deems all sealed proposals to have been proffered in recognition and consideration of the entire IFB package – **including all addenda**. For purposes of clarification, **receipt of this present Addendum by a Bidder should be evidenced by returning it (signed) as part of the Bidder's sealed proposal.** If the Proposal has already been received by the Jefferson County Purchasing Department, Bidder should return this addendum in a separate sealed envelope, clearly marked with the IFB Title, IFB Number, and Opening Date and Time, as stated above.

Reason for Issuance of this addendum: Revisions to Page 39 of Bid Specifications

The information included herein is hereby incorporated into the documents of this present Bid matter and supersedes any conflicting documents or portion thereof previously issued.

Receipt of this Addendum is hereby acknowledged by the undersigned Bidder:

ATTEST:

Bryant Cannon
Authorized Signature (Bidder)

Witness

Governmental Sales
Title of Person Signing Above

Witness

ROMCO Equipment Co.
Typed Name of Business or Individual

Approved by _____ Date: _____

8450 Breen Rd Houston, TX 77064
Address

Addendum No. 1 – Revised Page 39 of Bid Specifications

BASIC SPECIFICATIONS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Base Machine weight should not be less than ~~27,000~~ **11,075 lbs**
- ☒ **Machine should operate with a ballast weighing up to 6,000 lbs**
- ☒ Capable of speed: 15.5 mph or higher
- ☒ Water Tank Capacity of at least 150 gallons
- ☒ Turning Radius: 9 ft.
- ☒ ROP Height: 9.4'
- ☐ Self-lubricating bushings that are maintenance-free
- ☒ Maintenance-free braking system
- ☒ Flashing lights and blinkers for on-road safety

STANDARD EQUIPMENT

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Scraper per wheel
- ☒ Hour meter
- ☒ Warning horn
- ☒ Control panel for: engine oil pressure, engine temperature, air filter vacuum, charge control, hydraulic oil filter, coolant level, fuel tank capacity
- ☒ (2) outside mirrors
- ☒ Lockable anti-vandal dashboard protection
- ☒ Operator's platform with: one steering wheel, laterally sliding swivels
- ☒ Back-up alarm
- ☒ Hydrostatic transmission
- ☒ Tier 4 Kubota Diesel Engine
- ☒ Nine 7.50 X 15 X 14 ply tires
- ☒ Fuel gauge
- ☒ Hydrostatic, center articulated steering with +/- 10 degree frame oscillation

Bid Item 2: Pneumatic Roller
TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Rear wheel oscillation: +/- 4 degrees outside & +/- 5 degrees center
- ☒ Spring-Applied, Hydraulically Released (SAHR) brakes

OPTIONAL FEATURES

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☒ Headlights (front and rear)
- ☒ Turn signals and 4-way flashers
- ☒ Pressurized water spray system
- ☒ Radial tires w/ approx. 14 ply rating
- ☐ Steel ballast
- ☒ Heat retention shields
- ☒ Pressurized water spray system
- ☐ Special paint, 1 color (Enamel only)
- ☐ Indicator and hazard lights

Bid Item 2: Pneumatic Roller

BIDDER ALTERNATIVE FEATURES OFFERED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

BASE MACHINE WEIGHT- without ballast: 13,100 lbs.- 30,500 lbs.with proper steel ballast added which meets or exceeds your requirements.

ROP HEIGHT: 9'2"

OUTSIDE MIRRORS: Not standard or offered optional from manufacture

ENGINE MAKE: Cummins diesel Tier4F, 74HP

Bid Form

Bid Item 2 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX B**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but **MUST** attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, **MUST** attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 2: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 39-40).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical specifications checklist form for **EACH ITEM** BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
2	BOMAG Model BW11RH-5 Pneumatic Roller or Equivalent	\$ <u>100,810</u> . <u>00</u>
		Trade-In Value
Trade-In Value for used & flood-damaged: Dynapac CP142 (SN: 1000-500C0B000882)		\$ <u>5,000</u> . <u>00</u>
Total Bid Price (Minus Trade-In Value) \$ <u>95,810</u> . <u>00</u>		
Projected Delivery Lead Time from Date of Purchase:		<u>14</u> weeks
Equivalent Item Description (Make & Model) for Item No. 2: <u>Leeboy PTC-15B</u>		

Bid Item 3: Vibratory Tandem Roller

One (1) BOMAG Model: BW161AD-5 Vibratory Tandem Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Vibratory Tandem Roller is to be complete with All Standard Equipment including 90 degree swivel seat unit, Economizer, ROPS, Temperature Gauge, and Joint with Crabwalk.

For full technical specifications for this bid item, see APPENDIX C.

Warranty term for this equipment (included, without additional cost) should be at least: (1) one calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade-In: Jefferson County will be trading in a used and **flood-damaged** CAT CB534-C (SN: 5HN00552) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 3: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 43-44).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 45).



JEFFERSON COUNTY, TEXAS PURCHASING DEPARTMENT

1149 Pearl Street – First Floor
Beaumont, Texas 77701
409-835-8593 phone

ADDENDUM TO IFB

IFB Number: IFB 18-013/JW

IFB Title: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

IFB Due: 11:00 am CDT, Tuesday, June 19, 2018

Addendum No.: 2

Issued (Date): June 14, 2018

TO BIDDER: This Addendum is an integral part of the IFB package under consideration by you as a Bidder in connection with the subject matter herein identified. Jefferson County deems all sealed proposals to have been proffered in recognition and consideration of the entire IFB package – **including all addenda**. For purposes of clarification, **receipt of this present Addendum by a Bidder should be evidenced by returning it (signed) as part of the Bidder's sealed proposal**. If the Proposal has already been received by the Jefferson County Purchasing Department, Bidder should return this addendum in a separate sealed envelope, clearly marked with the IFB Title, IFB Number, and Opening Date and Time, as stated above.

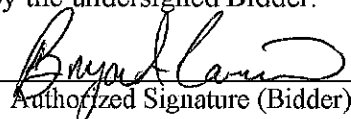
Reason for Issuance of this addendum: Revision to Bid Specifications for Bid Item No. 3

Revision: The Tango Oscillation Feature SHOULD NOT be included on this piece of equipment. Any reference to this feature within the bid specifications for this bid item (including Appendix C) should be disregarded. Do not include this feature in bid price.

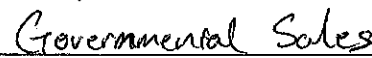
The information included herein is hereby incorporated into the documents of this present Bid matter and supersedes any conflicting documents or portion thereof previously issued.

Receipt of this Addendum is hereby acknowledged by the undersigned Bidder:

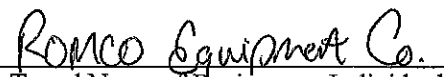
ATTEST:


Authorized Signature (Bidder)

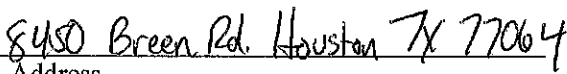
Witness


Title of Person Signing Above

Witness


Typed Name of Business or Individual

Approved by _____ Date: _____


Address

Addendum No. 2 – Revised Page 43 of Bid Specifications

BASIC SPECIFICATIONS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

✓ Operating Weight should be at least 21,600 lbs

N/A Turning Radius: 192.1"

✓ Vibratory Frequency for Drums: 3,000/4,200 VPM

✓ Engine: 114 horsepower

✓ Top speed should be at least 7.5 mph

✓ No grease nipples.

___ Sealed bearings.

___ Economizer System

✓ Economode Feature

~~___ Tango Oscillation Feature~~

✓ Visible sight lines to drum edge

✓ Open operator's platform

✓ 180 degree seat & steering, so the driver can have their front or back turned to the edge of the machine for a better view.

STANDARD EQUIPMENT

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

✓ 2 amplitudes / 2 frequencies

N/A Kubota Tier 4i engine

✓ Automatic vibration operation

✓ Individual vibration control

✓ Adjustable driver's seat – 180 degrees; laterally slidable with steering wheel

✓ On-board indicators: engine speed, speedometer, fuel consumption, engine temperature

✓ Pressure sprinkling system with 2 pumps

✓ Low water level indicator

Bid Item 3: Vibratory Tandem Roller
TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Indicator and hazard lights
- ☒ Back-up alarm
- ☒ Battery disconnect switch
- ☒ Storage for documents and tools
- ☒ Emergency stop button
- ☒ ROPS/FOPS w/safety

OPTIONAL EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Economizer
- ☐ Asphalt temperature display
- ☐ Edge cutter
- ☐ Rotary beacon
- ☐ Environmentally friendly hydraulic oil

Bid Item 3: Vibratory Tandem Roller
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

TURNING RADIUS: 181"

ENGINE MAKE: Volvo diesel D3.8, Tier4F

Bid Form

Bid Item 3 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX C**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but **MUST** attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, **MUST** attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 3: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 43-44).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical specifications checklist form for **EACH ITEM BID**. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
3	BOMAG Model BW161AD-5 Vibratory Tandem Roller or Equivalent	\$ <u>116,312</u> . <u>00</u>
		Trade-In Value
Trade-In Value for used & flood-damaged: CAT CB534-C (SN: 5HN00552)		\$ <u>0</u> . <u>00</u>
Total Bid Price (Minus Trade-In Value) \$ <u>116,312</u> . <u>00</u>		
Projected Delivery Lead Time from Date of Purchase:		<u>8</u> weeks
Equivalent Item Description (Make & Model) for Item No. 3: <u>Volvo DD105C</u>		

Bid Item 4: Single Drum Padfoot Roller

One (1) BOMAG Model: BW211PD-5 84" Single Drum Padfoot Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Single Drum Padfoot Roller is to be complete with All Standard Equipment including Magnetic Flashing Beacon.

For full technical specifications for this bid item, see APPENDIX D.

Warranty term for this equipment (included, without additional cost) should be at least: One (1) calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade-In: Jefferson County will be trading in a used and **flood-damaged** BOMAG BW213DH-40 (SN: 901582561088) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 4: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 47-48).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 49).

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

N/A Operating weight should be at least 28,109 lbs

N/A Transmission: (4) Gears

N/A Motor: 2-wheel drive

☒ Vibration Settings: (4)

☒ Idle Speed Controller

☒ No grease nipples

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

☒ ECOMODE
(adjusts the engine speed to respective power requirements to save 30% less fuel consumption)

☒ Warning, information and operation displays with LCD

☒ Loading mode

☒ Noise insulation

☒ Hydrostatic travel and vibration drive

☒ Hydrostatic articulated steering

☒ Articulated joint lock

☒ Rear axle with twin spring accumulator brakes

☒ No-spin differential lock

☒ Warning horn

☒ Single lever control for travel and vibration

☒ Seat with arm rest and adjustable for position and height

☒ (2) Scrapers

☒ Emergency STOP

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ Back-up alarm
- ☒ Working lights front/rear
- ☐ Sliding window
- ☒ Battery disconnect switch

OPTIONAL EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ ROPS/FOPS with safety belt
- ☐ BOMAG ECOSTOP Feature (shuts down the engine automatically depending on temperatures, charging condition, etc.)
- ☐ Indicator and hazard lights
- ☐ Rotary beacon
- ☐ Environmentally compliant hydraulic oil
- ☐ Measuring-and-machine data interface for third-party suppliers

Bid Item 4: Single Drum Padfoot Roller
BIDDER ALTERNATIVE FEATURES OFFERED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

OPERATING WEIGHT: 25,960 lbs

TRANSMISSION: Hydrostatic, no gears

MOTOR: Hydrostatic drum drive

SLIDING WINDOW: quoting open ROPS, cab is optional, please specify

Bid Form

Bid Item 4 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX D**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but **MUST** attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, **MUST** attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 4: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 47-48).

IMPORTANT NOTE: Bidder **MUST COMPLETE** a Technical specifications checklist form for **EACH ITEM** BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
4	BOMAG Model BW211PD-5 84" Single Drum Padfoot Roller or Equivalent	\$ <u>123,838</u> . <u>00</u>
		Trade-In Value
Trade-In Value for used & flood-damaged: BOMAG BW213DH-40 (SN: 901582561088)		\$ <u>5,000</u> . <u>00</u>
Total Bid Price (Minus Trade-In Value) \$ <u>118,838</u> . <u>00</u>		
Projected Delivery Lead Time from Date of Purchase:		<u>8</u> weeks
Equivalent Item Description (Make & Model) for Item No. 4: <u>Volvo SD115BF (padfoot)</u>		

Bidder Information Form

Instructions: Complete the form below. Please provide legible, accurate, and complete contact information. PLEASE PRINT.

Bid Name & Number: (IFB 18-013/JW),
 Re-bid Heavy Equipment for Jefferson County Precinct No. 3
 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

Bidder's Company/Business Name: ROMCO Equipment Co.

Bidder's TAX ID Number: 75-1316474

Contact Person: Bryan Cannon **Title:** Government Sales

Phone Number (with area code): (713) 492-6619

Alternate Phone Number if available (with area code): (713) 937-3005

Fax Number (with area code): (713) 937-7541

Email Address: bcannon@romco.com

Mailing Address (Please provide a physical address for bid bond return, if applicable):

8450 Breen Rd.

Address
Houston, Tx 77064
City, State, Zip Code

OFFER AND ACCEPTANCE FORM OFFER TO CONTRACT

**Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)**

To Jefferson County:

We hereby offer and agree to furnish the materials or service in compliance with all terms, conditions, specifications, and amendments in the Invitation for Bid and any written exceptions in the offer. We understand that the items in this Invitation for Bid, including, but not limited to, all required certificates are fully incorporated herein as a material and necessary part of the contract.

The undersigned hereby states, under penalty of perjury, that all information provided is true, accurate, and complete, and states that he/she has the authority to submit this bid, which will result in a binding contract if accepted by Jefferson County.


We acknowledge receipt of the following amendment(s): _____.

I certify, under penalty of perjury, that I have the legal authorization to bind the firm hereunder:

Romco Equipment Company
Company Name

8450 Breen Rd
Address

Houston TX 77064
City State Zip


Signature of Person Authorized to Sign

Steve Owens
Printed Name

Sales Manager
Title

For clarification of this offer, contact:

Bryan Cannon
Name

713-492-6619 713-937-7541
Phone Fax

bcannon@romco.com
E-mail

Bidder Shall Return Completed Form with Offer.

Acceptance of Offer

HEAVY EQUIPMENT FOR JEFFERSON COUNTY PRECINCT No. 3 (TO REPLACE UNREPAIRABLE EQUIPMENT DAMAGED BY HURRICANE HARVEY)

The Contractor is now bound to sell the materials or services listed by the attached contract and based upon the Invitation for Bid, including all terms, conditions, specifications, amendments, etc., and the Contractor's Offer as accepted by Jefferson County.

This contract shall henceforth be referred to as Contract No. 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey). The Contractor has not been authorized to commence any billable work or to provide any material or service under this contract until Contractor receives a purchase order and/or a notice to proceed from the Jefferson County Purchasing Agent.

Countersigned:

Jeff R. Branick
County Judge

Date

Attest:

Carolyn L. Guidry
County Clerk

Bidder Shall Return Completed Form with Offer.

RECEIVED 10:46 AM JUN 19 2018

✓ 10:46 AM

outside of the envelope of bids. Bidders are invited to attend the sealed bid opening at the address shown below. Jefferson County does not accept bids submitted electronically. Late bids will be rejected as non-responsive. Bids will be publicly opened and read aloud in the Jefferson County Commissioners' Courtroom at the time and date below. Bidders are invited to attend the sealed bid opening.

BID NAME: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

BID NO: IFB 18-013/JW

DUE DATE/TIME: 11:00 AM CDT, Tuesday, June 19, 2018

MAIL OR DELIVER TO: Jefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, Texas 77701

Any questions relating to these requirements should be directed to Jamey West, Assistant Purchasing Agent, at 409-835-8593 or jwest@co.jefferson.tx.us. Bidders may submit technical questions to: Jason Castille, Precinct No. 3 Superintendent at 409-736-2851 or pct3sc@co.jefferson.tx.us.

Jefferson County encourages Disadvantaged Business Enterprises to participate in the bidding process. Jefferson County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provisions of services. Individuals requiring special accommodations are requested to contact the Purchasing Department at 409-835-8593.



BRYAN CANNON
Equipment Sales

8450 Breen
Houston, TX 77064
Office: (713) 937-3005
Fax: (713) 937-7541
www.romco.com

Cell: (713) 492-6619
E-mail: bcannon@romco.com



JEFFERSON COUNTY PURCHASING DEPARTMENT

Deborah L. Clark, Purchasing Agent

1149 Pearl Street, 1st Floor, Beaumont, TX 77701 409-835-8593 Fax 409-835-8456

LEGAL NOTICE Advertisement for Invitation for Bids

May 21, 2018

Notice is hereby given that sealed bids will be accepted by the Jefferson County Purchasing Department for IFB 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey). **Specifications for this project may be obtained from the Jefferson County website, <http://www.co.jefferson.tx.us/Purchasing/main.htm> or by calling 409-835-8593.**

Bids are to be sealed and addressed to the Purchasing Agent with the bid number and name marked on the outside of the envelope or box. Bidders shall forward an original and three (3) copies of their bid to the address shown below. Jefferson County does not accept bids submitted electronically. Late bids will be rejected as non-responsive. Bids will be publicly opened and read aloud in the Jefferson County Commissioners' Courtroom at the time and date below. Bidders are invited to attend the sealed bid opening.

BID NAME: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

BID NO: IFB 18-013/JW

DUE DATE/TIME: 11:00 AM CDT, Tuesday, June 19, 2018

MAIL OR DELIVER TO: Jefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, Texas 77701

Any questions relating to these requirements should be directed to Jamey West, Assistant Purchasing Agent, at 409-835-8593 or jwest@co.jefferson.tx.us. Bidders may submit technical questions to: Jason Castille, Precinct No. 3 Superintendent at 409-736-2851 or pct3sc@co.jefferson.tx.us.

Jefferson County encourages Disadvantaged Business Enterprises to participate in the bidding process. Jefferson County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provisions of services. Individuals requiring special accommodations are requested to contact our office at 409-835-8593 to make arrangements no later than seven (7) calendar days prior to the submittal deadline. Jefferson County reserves the right to accept or reject any or all proposals, to waive technicalities and to take whatever action is in the best interest of Jefferson County.

All interested firms are invited to submit a bid in accordance with the terms and conditions stated in this bid.

RESPONDENTS ARE STRONGLY ENCOURAGED TO CAREFULLY READ THE ENTIRE INVITATION.

Deborah L. Clark, Purchasing Agent
Jefferson County, Texas

Publish: Beaumont Enterprise & Port Arthur News – May 23, 2018 & May 30, 2018

**IFB 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)
Bids due: 11:00 AM CDT, Tuesday, June 19, 2018**

Table of Contents

Table of Contents	1
Instructions to Bidders	2
General Conditions of Bidding and Terms of Contract.....	6
Special Requirements/Instructions	16
Minimum Specifications	20
Instructions to Bidders (Re: Brand Reference / Equivalent Bid Items)	20
Bid Item 1: Description & Technical Specifications Checklist Form Instructions	21
Bid Item 1: Technical Specifications Checklist Form.....	22
Bid Item 1: Bidder Alternative Features Offered & Exceptions List	37
Bid Item 2: Description & Technical Specifications Checklist Form Instructions	38
Bid Item 2: Technical Specifications Checklist Form.....	39
Bid Item 2: Bidder Alternative Features Offered & Exceptions List	41
Bid Item 3: Description & Technical Specifications Checklist Form Instructions	42
Bid Item 3: Technical Specifications Checklist Form.....	43
Bid Item 3: Bidder Alternative Features Offered & Exceptions List	45
Bid Item 4: Description & Technical Specifications Checklist Form Instructions	46
Bid Item 4: Technical Specifications Checklist Form.....	47
Bid Item 4: Bidder Alternative Features Offered & Exceptions List	49
Bid Item 5: Description & Technical Specifications Checklist Form Instructions	50
Bid Item 5: Technical Specifications Checklist Form.....	51
Bid Item 5: Bidder Alternative Features Offered & Exceptions List	52
Bidder Information Form	53
Offer to Contract Form.....	54
Acceptance of Offer Form	55
Bid Form.....	56
Vendor References.....	62
Signature Page	63
Conflict of Interest Questionnaire	64
Local Government Officer Conflict Disclosure Statement Forms (OFFICE USE ONLY)	65
Good Faith Effort Determination Checklist	66
Notice of Intent	67
HUB Subcontracting Participation Declaration Form	68
Residence Certification/Tax Form	72
Bid Affidavit	73
TECHNICAL SPECIFICATIONS	(APPENDIX A-E)

Instructions to Bidders

1. Bid Submission

Bids must be submitted in complete original form by mail or messenger to the following address:

Jefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, TX 77701

Bids will be accepted at the above address until the time and date specified herein, and immediately after will be publicly opened and read aloud.

Bidder shall submit bid in a tightly sealed opaque envelope or box, plainly marked "SEALED BID." The outside of the envelope or box shall also include the Bid Number, Bid Name, Bid Due Date, and the Bidder's Name and Address; and shall be addressed to the Purchasing Agent.

Late bids will not be accepted and will be returned unopened to the bidder.

All bids submitted in response to this invitation shall become the property of Jefferson County and will be a matter of public record available for review.

Bidder is responsible for submitting:

- One (1) *original* bid copy to include a completed copy of this specifications packet, in its entirety.
- Three (3) numbered bid *copies* to include at a minimum all pages requiring completion and/or marked with instructions to be returned with bid submission and any other documentation requested within these specifications.

Additionally, Bidder must monitor the Jefferson County Purchasing Department Website (below) to see if addenda or additional instructions have been posted. Failure to return all required forms could result in a response being declared as non-responsive.

<http://www.co.jefferson.tx.us/purchasing/main.htm>

2. Bid Submissions During Time of Inclement Weather, Disaster, or Emergency

In case of inclement weather or any other unforeseen event causing the County to close for business on the date of a bid/proposal/statement of qualifications submission deadline, the closing will automatically be postponed until the next business day that County offices are open to the public. Should inclement weather conditions or any other unforeseen event cause delays in courier service operations, the County may issue an addendum to all known vendors interested in the project to extend the deadline. It will be the responsibility of the vendor to notify the county of their interest in the project should these conditions impact their ability to submit a bid/proposal/statement of qualifications submission before the stated deadline. The County reserves the right to make the final judgement call to extend any deadline.

Should an emergency or unanticipated event interrupt normal County processes, and bid/proposal/statement of qualifications submissions cannot be received by the Jefferson County Purchasing Department's office by the exact time specified in the IFB and urgent County requirements preclude amendment to the IFB, the time specified for receipt of bids will be deemed to be extended to the same time of day specified in the solicitation on the first business day on which normal County processes resume.

3. Courthouse Security

Bidders are advised that all visitors to the Courthouse must pass through Security. **Bidders planning to hand deliver bids must allow time to get through Security, as a delay in entering the Courthouse will not be accepted as an excuse for late submittal.** Mondays and Tuesdays are particularly heavy days. Bidders are strongly urged to plan accordingly.

4. Preparation of Bids

The bid shall be legibly printed in ink or typed.

The County requests that bid submissions NOT be bound by staples or glued spines.

If a unit price or extension already entered is to be altered, it shall be crossed out and initialed in ink by the bidder.

The bid shall be legally signed and shall include the complete address of the bidder.

Jefferson County is exempt from Federal and State Sales Taxes, and such taxes shall not be included in bid prices.

5. Signatures

All bids, notifications, claims, and statements must be signed by an individual authorized to bind the bidder. The individual signing certifies, under penalty of perjury, that he or she has the legal authorization to bind the bidder.

6. County Holidays – 2018:

January 1	Monday	New Year's
January 15	Monday	Martin Luther King, Jr. Day
February 19	Monday	President's Day
March 30	Friday	Good Friday
May 28	Monday	Memorial Day
July 4	Wednesday	Independence Day
September 3	Monday	Labor Day
November 12	Monday	Veteran's Day
November 22 & 23	Thursday & Friday	Thanksgiving
December 24 & 25	Monday & Tuesday	Christmas
January 1, 2019	Tuesday	New Year's

7. Rejection or Withdrawal

Submission of additional terms, conditions or agreements with the bid document are grounds for deeming a bid non-responsive and may result in bid rejection. Jefferson County reserves the right to reject any and all bids and to waive any informalities and minor irregularities or defects in bids. Bids may be withdrawn in person by a bidder or authorized representative, provided their identity is made known and a receipt is signed for the bid, but only if the withdrawal is made prior to the time set for receipt of bids. Bids are an irrevocable offer and may not be withdrawn within 90 days after opening date.

8. Emergency/Declared Disaster Requirements

In the event of an emergency or if Jefferson County is declared a disaster area, by the County, State, or Federal Government, this Acceptance of Offer may be subjected to unusual usage. Contractor shall service the county during such an emergency or declared disaster under the same terms and conditions that apply during non-emergency/disaster conditions. The pricing as specified in this Acceptance of Offer shall apply to serving the County's needs regardless of the circumstances. If Contractor is unable to supply the services under the terms of the Acceptance of Offer, then Contractor shall provide proof of such disruption and a copy of the invoice from Contractor's supplier(s). Additional profit margin as a result of supplying services during an emergency or declared disaster shall not be permitted. In the event that additional equipment,

supplies, and materials are required during the declared disaster, additional shipping, handling and drayage fees may apply.

9. Award

The bid will be awarded to the responsible, responsive bidder(s) whose bid, conforming to the solicitation, will be most advantageous to Jefferson County – price and other factors considered. Unless otherwise specified in this IFB, Jefferson County reserves the right to accept a bid in whole or in part, and to award by item or by group, whichever is deemed to be in the best interest of Jefferson County. Any bidder who is in default to Jefferson County at the time of submittal of the bid shall have that bid rejected. Jefferson County reserves the right to clarify any contractual terms with the concurrence of the Contractor; however, any substantial nonconformity in the offer, as determined by Jefferson County, shall be deemed non-responsive and the offer rejected.

In evaluating bids, Jefferson County shall consider the qualifications of the bidders, and, where applicable, operating costs, delivery time, maintenance requirements, performance data, and guarantees of materials and equipment. In addition, Jefferson County may conduct such investigation as it deems necessary to assist in the evaluation of a bid and to establish the responsibility, qualifications, and financial ability of the bidders to fulfill the contract.

Jefferson County reserves the right to award this contract on the basis of **lowest and best bid** in accordance with the laws of the State of Texas, to waive any formality or irregularity, to make awards to more than one offeror, and/or to reject any or all bids. In the event the lowest dollar offeror meeting specifications is not awarded a contract, Offeror may appear before the Commissioners' Court and present evidence concerning Offeror responsibility after officially notifying the Office of the Purchasing Agent of Offeror's intent to appear.

10. Contract

A response to an IFB is an offer to contract with Jefferson County based upon the terms, conditions, and specifications contained in the IFB. Bids do not become contracts unless and until they are executed by Jefferson County, eliminating a formal signing of a separate contract. For that reason, all of the terms and conditions of the contract are contained in the IFB, unless any of the terms and conditions is modified by an IFB Amendment, a Contract Amendment, or by mutually agreed terms and conditions in the contract documents.

11. Waiver of Subrogation

Bidder and bidder's insurance carrier waive any and all rights whatsoever with regard to subrogation against Jefferson County as an indirect party to any suit arising out of personal or property damages resulting from bidder's performance under this agreement.

12. Fiscal Funding

A multi-year contract (if requested by the specifications) continuing as a result of an extension option must include fiscal funding out. If, for any reason, funds are not appropriated to continue the contract, said contract shall become null and void.

13. Bid Results

Bid results are not provided in response to telephone inquiries. A preliminary tabulation of bids received will be posted on the Purchasing web page (<http://co.jefferson.tx.us/purchasing/main.htm>) as soon as possible following bid opening. A final tabulation will be posted following bid award, and will also be available for review in the Purchasing Department.

14. Changes and Addenda to Bid Documents

Each change or addendum issued in relation to this IFB document will be on file in the Office of the Purchasing Agent, and will be posted on the Purchasing web site as soon as possible. It shall be the bidder's responsibility to make inquiry as to change or addenda issued, and to monitor the web site. All such changes or addenda shall become part of the contract and all bidders shall be bound by such addenda. Information on all changes or addenda issued will be available at the Office of the County Purchasing Agent.

15. Specifications

Unless otherwise stated by the bidder, the bid will be considered as being in accordance with Jefferson County's applicable standard specifications, and any special specifications outlined in the bid document. References to a particular trade name, manufacturer's catalogue, or model number are made for descriptive purposes to guide the bidder in interpreting the requirements of Jefferson County, and should not be construed as excluding bids on other types of materials, equipment, and supplies. However, the bidder, if awarded a contract, will be required to furnish the particular item referred to in the specifications or description unless departure or substitution is clearly noted and described in the bid. Jefferson County reserves the right to determine if equipment/ product being bid is an acceptable alternate. All goods shall be new unless otherwise so stated in the bid. Any unsolicited alternate bid, or any changes, insertions, or omissions to the terms and conditions, specifications, or any other requirements of the bid, may be considered non-responsive.

16. Delivery

Bids shall include all charges for delivery, packing, crating, containers, etc. Unless otherwise stated by the bidder (in writing on the included Bid Form), prices bid will be considered as being based on F.O.B. destination/delivered freight included.

17. Interpretation of Bid and/or Contract Documents

All inquiries shall be made within a reasonable time prior to the date and time fixed for the bid opening, in order that a written response in the form of an addendum, if required, can be processed before the bids are opened. Inquiries received that are not made in a timely fashion may or may not be considered.

18. Currency

Prices calculated by the bidder shall be stated in U.S. dollars.

19. Pricing

Prices shall be stated in units of quantity specified in the bid documents. In case of discrepancy in computing the amount of the bid, the unit price shall govern.

20. Notice to Proceed/Purchase Order

The successful bidder may not commence work under this contract until authorized to do so by the Purchasing Agent.

21. Certification

By signing the offer section of the Offer and Acceptance page, bidder certifies:

- The submission of the offer did not involve collusion or other anti-competitive practices.
- The bidder has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to any public servant in connection with the submitted offer.
- The bidder hereby certifies that the individual signing the bid is an authorized agent for the bidder and has the authority to bind the bidder to the contract.

22. Definitions

"County" – Jefferson County, Texas.

"Contractor" – The bidder whose proposal is accepted by Jefferson County.

23. Minority-Women Business Enterprise Participation

It is the desire of Jefferson County to increase the participation of Minority (MBE) and women-owned (WBE) businesses in its contracting and procurement programs. While the County does not have any preference or set aside programs in place, it is committed to a policy of equitable participation for these firms.

General Conditions of Bidding and Terms of Contract

By execution of this document, the vendor accepts all general and special conditions of the contract as outlined below and in the specifications and plans.

1. Bidding

1.1 Bids. All bids must be submitted on the bid form furnished in this package.

1.2 Authorized Signatures. The bid must be executed personally by the vendor, duly authorized partner of the partnership, or duly authorized officer of the corporation. If executed by an agent, a power of attorney or other evidence of authority to act on behalf of the vendor shall accompany the bid to become a valid bid.

1.3 Late Bids. Bids must be in the office of the Jefferson County Purchasing Agent before or at the specified time and date bids are due. Bids received after the submission deadline shall be rejected as non-responsive and returned unopened.

1.4 Withdrawal of Bids Prior to Bid Opening. A bid may be withdrawn before the opening date by submitting a written request to the Purchasing Agent. If time allows, the bidder may submit a new bid. Bidder assumes full responsibility for submitting a new bid before or at the specified time and date bids are due. Jefferson County reserves the right to withdraw a request for bids before the opening date.

1.5 Withdrawal of Bids after Bid Opening. Bidder agrees that its offer may not be withdrawn or cancelled by the vendor for a period of ninety (90) days following the date and time designated for the receipt of bids unless otherwise stated in the bid and/or specifications.

1.6 Bid Amounts. Bids shall show net prices, extensions where applicable and net total. In case of conflict between unit price and extension, the unit price will govern. Any ambiguity in the bid as a result of omission, error, unintelligible or illegible wording shall be interpreted in the favor of Jefferson County.

1.7 Exceptions and/or Substitutions. All bids meeting the intent of the specifications and plans will be considered for award. Vendors taking exception to the specifications and plans, or offering substitutions, shall state these exceptions in the section provided. If bid is made on an article other than the one specified, which a bidder considers comparable, the name and grade of said article must be specified in the bid and sufficient specifications and descriptive data must accompany same to permit thorough evaluation. The absence of stated exceptions and/or substitutions shall indicate that the vendor has not taken any exceptions to the specifications and shall be responsible to perform in strict accordance with the specifications. As a matter of practice, Jefferson County rejects exception(s) and /or substitutions as non-responsive but reserves the right to accept any and/or all of the exception(s) and/or substitution(s) deemed to be in the best interest of Jefferson County.

1.8 Alternates. The Invitation for Bid and/or specifications may expressly allow bidder to submit an alternate bid. Presence of such an offer shall not be considered an indication of non-responsiveness.

1.9 Descriptions. Unless otherwise specified, any reference to make, manufacturer and/or model used in the bid specifications is merely descriptive and not restrictive, and is used only to indicate type, style, or quality of material desired.

1.10 Bid Alterations. Bids cannot be altered or amended after submission deadline. Any interlineations, alterations, or erasures made before opening time must be initialed by the signer of the bid, guaranteeing authenticity.

1.11 Tax Exempt Status. Jefferson County is exempt from federal excise tax and state sales tax. Unless the bid form or specifications specifically indicate otherwise, the bid price must be net, exclusive of above-mentioned taxes and will be so construed. Therefore, the bid price shall not include taxes.

1.12 Quantities. Quantities indicated are estimated quantities only and are not a commitment to buy. Approximate usage does not constitute an order, but only implies the probable quantity that will be used. Commodities will be ordered on an as-needed basis. Bidder is responsible for accurate final counts.

1.13 Bid Award. Award of contract shall be made to the most responsible, responsive bidder, whose offer is determined to be the best value, taking into consideration the relative importance of price. Jefferson County reserves the right to be the sole judge as to whether items bid will serve the purpose intended.

Jefferson County reserves the right to accept or reject in part or in whole any bid submitted, and to waive any technicalities or informalities for the best interest of the County. Jefferson County reserves the right to award based upon individual line items, sections or total bid.

1.14 Silence of Specifications for Complete Units. All materials, equipment and/or parts that will become a portion of the completed work, including items not specifically stated herein but, necessary to render the service(s) complete and operational per the specifications, are to be included in the bid price. Vendor may be required to furnish evidence that the service, as bid, will meet or exceed these requirements.

1.15 Addenda. Any interpretations, corrections or changes to the specifications and plans will be made by addenda no later than forty-eight (48) hours prior to the bid opening. Addenda will be posted on the Purchasing web site. Vendors are responsible for monitoring the web site in order to remain informed on addenda. Vendors shall acknowledge receipt of all addenda with submission of bid.

1.16 General Bid Bond/Surety Requirements. Failure to furnish bid bond/surety, if requested, will result in bid being declared non-responsive. Non-responsive bids will not be considered for award.

1.17 General Insurance Requirements. Failure to furnish Affidavit of Insurance, if required in these specifications, will result in bid being declared non-responsive. Non-responsive bids will not be considered for award.

1.18 Responsiveness. A responsive bid shall substantially conform to the requirements of this Invitation to Bid and/or specifications contained herein. Bidders who substitute any other terms, conditions, specifications and/or requirements or who qualify their bids in such a manner as to nullify or limit their liability to the contracting entity shall have their bids deemed non-responsive. Also, bids containing any clause that would limit contracting authority shall be considered non-responsive. Examples of non-responsive bids include but shall not be limited to: a) bids that fail to conform to required delivery schedules as set forth in the bid request; b) bids with prices qualified in such a manner that the bid price cannot be determined, such as with vague wording that may include "price in effect at the time of delivery," and c) bids made contingent upon award of other bids currently under consideration.

1.19 Responsible Standing of Bidder. To be considered for award, bidder must at least: have the ability to obtain adequate financial resources, be able to comply with required or proposed delivery/completion schedule, have a satisfactory record of performance; have a satisfactory record of integrity and ethics, and be otherwise qualified and eligible to receive award.

1.20 Confidential/Proprietary Information

If any material in the bid submission is considered by Bidder to be confidential or proprietary information (including manufacturing and/or design processes exclusive to the Bidder), Bidder **must** clearly mark the applicable pages of Bidder's bid submission to indicate each claim of confidentiality. Additionally, Bidder must include a statement on company letterhead identifying all Bid Submission section(s) and page(s) that have been marked as confidential. Jefferson County will protect from public disclosure such portions of a bid, unless directed otherwise by legal authority, including existing open records acts. Merely making a blanket claim that the entire bid submission is protected from disclosure because it contains some proprietary information is not acceptable, and will make the entire bid submission subject to release under the Texas Public Information Act.

By submitting a bid, Bidder agrees to reproduction by Jefferson County, without cost or liability, of any copyrighted portions of Bidder's bid submission or other information submitted by Bidder.

1.21 Public Bid Opening. Bidders are invited to be present at the opening of bids. After the official opening of bids, a period of not less than one week is necessary to evaluate bids. The amount of time necessary for bid evaluation may vary and is determined solely by the County. Following the bid evaluation, all bids submitted are available for public review.

2. Performance

2.1 Design, Strength, and Quality. Design, strength, and quality of materials and workmanship must conform to the highest standards of manufacturing and engineering practices. The apparent silence of specifications and/or plans as to any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of these specifications and/or plans shall be made on the basis of this statement.

2.2 Age and Manufacture. All tangible goods being bid must be new and unused, unless otherwise specified, in first-class condition, of current manufacture, and furnished ready to use. All items not specifically mentioned that are required for a complete unit shall be furnished.

2.3 Delivery Location. All deliveries will be made to the address(es) specified on the purchase order during normal working hours of 8:00 a.m. to 4:00 p.m., Monday through Friday, unless otherwise authorized by the Purchasing Agent or designee.

2.4 Delivery Schedule. Delivery time may be an important consideration in the evaluation of best value. The maximum number of days necessary for delivery ARO shall be stated in the space, if provided, on the bid form.

2.5 Delivery Charges. All delivery and freight charges, F.O.B. destination shown on Jefferson County purchase order, as necessary to perform contract are to be included in the bid price.

2.6 Installation Charges. All charges for assembly, installation and set-up shall be included in the bid price. Unless otherwise stated, assembly, installation and set-up will be required.

2.7 Operating Instructions and Training. Clear and concise operating instructions and descriptive literature will be provided in English, if requested. On-site detailed training in the safe and efficient use and general maintenance of item(s) purchased shall be provided as needed at the request of Jefferson County. Instructions and training shall be at no additional cost to the County.

2.8 Storage. Bidder agrees to provide storage of custom ordered materials, if requested, for up to thirty (30) calendar days.

2.9 Compliance with Federal, State, County, and Local Laws. Bids must comply with all federal, state, county and local laws, including, but not limited to, all applicable standard safety, emission, and noise control requirements. Any vehicles or equipment shall contain all standard safety, emission, and noise control requirements required for the types and sizes of equipment at the time of their manufacture. The contractor agrees, during the performance of work or service, to comply with all applicable codes and ordinances of Jefferson County or the State of Texas as they may apply, as these laws may now read, or as they may hereafter be changed or amended.

2.10 OSHA. The bidder will certify all equipment complies with all regulations and conditions stipulated under the Williams-Steiger Occupational Safety and Health Act of 1971, as amended. The successful bidder will further certify that all items furnished under this project will conform and comply with federal and State of Texas OSHA standards. The successful bidder will agree to indemnify and hold harmless Jefferson County for any and all damages that may be assessed against the County.

2.11 Patents and Copyrights. The successful vendor agrees to protect the County from claims involving infringements of patents and/or copyrights.

2.12 Samples, Demonstrations and Testing. At Jefferson County's request and direction, bidder shall provide product samples and/or testing of items bid to ensure compliance with specifications. Samples, demonstrations and/or testing may be requested at any point prior to or following bid award. Samples, demonstrations and/or testing may be requested upon delivery and/or any point during the term of resulting contract. All samples (including return thereof), demonstrations, and/or testing shall be at the expense of the bidder/vendor.

2.13 Acceptability. All articles enumerated in the bid shall be subject to inspection by an officer designated for that purpose by Jefferson County. If found inferior to the quality called for, or not equal in value to the specifications, deficient in workmanship or otherwise, this fact shall be certified to the Purchasing Agent, who shall have the right to reject the whole or any part of the same. Items and/or work determined to be contrary to specifications must be replaced at the vendor's expense. Inferior items not retrieved by the vendor within thirty (30) calendar days, or an otherwise agreed upon time, shall become the property of the County. If disposal of such items warrants an expense, an amount equal to the disposal expense will be deducted from amounts payable to the vendor.

2.14 Maintenance. Maintenance required for equipment bid should be available in Jefferson County by a manufacturer authorized maintenance facility. Cost for this service shall be shown on the bid sheet as requested or on a separate sheet, as required. If Jefferson County opts to include maintenance, it shall be so stated in the purchase order and said cost will be included. Service will commence only upon expiration of applicable warranties and should be priced accordingly.

2.15 Material Safety Data Sheets. Under the "Hazardous Communications Act," common known as the "Texas Right to Know Act," a bidder must provide the user department, with each delivery, material safety data sheets which are applicable to hazardous substances defined in the Act. Failure of the bidder to furnish this documentation, will be cause to reject any bid applying thereto.

2.16 Evaluation. Evaluation shall be used as a determinant as to which services are the most efficient and/or most economical for the County. It shall be based on all factors having a bearing on price and performance of the items in the user environment. All bids are subject to tabulation by the Jefferson County Purchasing Department and recommendation to Jefferson County Commissioners' Court. Compliance with all bid requirements and needs of the using department are considered in evaluating bids. Pricing is not the only criteria for making a recommendation. The Jefferson County Purchasing Department reserves the right to contact any bidder, at any time, to clarify, verify or requirement information with regard to this bid.

3. Purchase Orders and Payment

3.1 Purchase Orders. A purchase order(s) shall be generated by the Jefferson County Purchasing Agent to the successful vendor. The purchase order number must appear on all itemized invoices and packing slips. The County will not be held responsible for any work orders placed and/or performed without a valid current purchase order number. Payment will be made for all services rendered and accepted by the contract administrator for which a valid invoice has been received.

3.2 Invoices. All invoices shall reference the Purchase Order number. Invoices shall reference the bid item number or a detailed description for each item invoiced. If an item purchased and itemized on the invoice does not correspond to an item in any of the categories awarded to the vendor, invoice shall reference the item as "N/C" to indicate that it is a non-contract item. This requirement is to assist the County in verifying contract pricing on all invoices. Payment will be made under terms of net thirty (30) days unless otherwise agreed upon by seller and the purchasing department.

3.3 Prompt Payment. In accordance with the State of Texas Prompt Payment Act, Article 601f V.T.C.S., payment will be made after receive and acceptance by the County of the merchandise ordered and of a valid invoice. Successful bidder(s) is required to pay subcontractors within ten (10) days after the successful bidder receives payment from the County.

3.4 Funding. Jefferson County is operated and funded on an October 1 to September 30 basis; accordingly, the County reserves the right to terminate, without liability to the County, any contract for which funding is not available.

4. Contract

4.1 Contract Definition. The General Conditions of Bidding and Terms of Contract, Specifications, Plans, Bidding Forms, Addenda, and any other documents made a part of this bid shall constitute the complete bid. This bid, when duly accepted by Jefferson County, shall constitute a contract equally binding between the successful bidder and Jefferson County.

4.2 Change Order. No different or additional terms will become part of this contract with the exception of a change order. No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders to the contract will be made in writing and at the discretion and approval of Jefferson County. No change order will be binding unless signed by an authorized representative of the County and the vendor.

4.3 Price Re-determination. A price re-determination may be requested at the time of annual renewal. All requests for price re-determination shall be in written form. Cause for such request, i.e., manufacturer's direct cost, postage rates, Railroad Commission rates, Federal/State minimum wage law, Federal/State unemployment taxes, F.I.C.A, Insurance Coverage Rates, etc., shall be substantiated in writing by the source of the cost increase. The bidder's past experience of honoring contracts at the bid price will be an important consideration in the evaluation of the lowest and best bid. Jefferson County reserves the right to accept or reject any/all requests for price re-determination as it deems to be in the best interest of the County.

4.4 Termination. Jefferson County reserves the right to terminate the contract for default if the bidder breached any of the terms therein, including warranties of bidder or if the bidder becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies which Jefferson County may have in law or equity. Default may be construed as, but not limited to, failure

to deliver the proper goods and/or service within the proper amount of time, and/or to properly perform any and all services required to Jefferson County's satisfaction and/or to meet all other obligations and requirements. Contracts may be terminated without cause upon thirty (30) days' written notice to either party unless otherwise specified. Jefferson County reserves the right to award canceled contract to the next lowest bidder. Bidder, in submitting this bid, agrees that Jefferson County shall not be liable to prosecution for damages in the event that the County declares the bidder in default.

4.5 Conflict of Interest. Employees of the County are not permitted to maintain financial interest in, or receive payment, directly or indirectly, borrow from, lend to, invest in, or engage in any substantial financial transaction with any individual, organization, supplier, or subcontractor who does business with the County without disclosure. When conflict of interest is discovered, it shall be grounds for termination of contract.

4.6 Injuries or Damages Resulting from Negligence. Successful vendor shall defend, indemnify and save harmless Jefferson County and all its officers, agents and employees from all suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the successful vendor, or of any agent, employee, subcontractor or supplier in the execution of, or performance under, any contract which may result from bid award. Successful vendor shall pay any judgment with cost which may be obtained against Jefferson County growing out of such injury or damages.

4.7 Interest by Public Officials. No public official shall have interest in this contract, in accordance with Texas Local Government Code.

4.8 Warranty. The successful vendor shall warrant that all materials utilized in the performance of this contract shall conform to the proposed specifications and/or all warranties as stated in the Uniform Commercial Code and be free from all defects in material, workmanship and title.

4.9 Uniform Commercial Code. The successful vendor and Jefferson County agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.

4.10 Venue. This agreement will be governed and construed according to the laws of the State of Texas. This agreement is performable in the County of Jefferson, Texas.

4.11 Sale, Assignment, or Transfer of Contract. The successful vendor shall not sell, assign, transfer or convey this contract, in whole or in part, without the prior written consent of Jefferson County.

4.12 Silence of Specifications. The apparent silence of these specifications as to any detailed description concerning any point, shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

5. Federal Emergency Management Agency (FEMA) Mandated Contract Clauses

If applicable to the work and services being performed by CONTRACTOR under the parties' AGREEMENT, the following provisions are adopted and form part of this AGREEMENT:

(A) DAMAGES, 2 CFR §200.326 Appendix II to Part 200 (A)

(1) All work to be performed under this AGREEMENT shall be timely commenced. A breach of this AGREEMENT by Contractor would cause substantial delay in the completion of the required services affecting the safety and welfare of the public.

(2) In the event of Contractor's breach of its performance obligations, County shall have all rights and remedies against Contractor as provided by law.

(B) TERMINATION RIGHTS, 2 CFR §200.326 Appendix II to Part 200 (B)

Termination for Convenience: Whenever the interests of the County so require, County may terminate the parties' Agreement, in whole or in part, for the convenience of the County. County shall give Contractor thirty (30) days prior written notice of termination specifying the portions of the Agreement to be terminated and when such termination will become effective. If only portions of the parties' agreement are terminated, Contractor has the right to withdraw from the parties' Agreement, without adverse action or claims. In the event of a termination for convenience by County, Contractor shall be entitled to payment for all work and services performed by it up to the effective date of such termination.

Termination for Cause: The County may, by written notice of default to Contractor, terminate the parties' Agreement, in whole or in part, if the Contractor fails to satisfactorily perform any provisions of the parties' agreement after a period of ten (10) following Contractor's receipt of a Notice of Deficiency provided by County.

(C) EQUAL EMPLOYMENT OPPORTUNITY CLAUSE (2 CFR §200.326 Appendix II to Part 200 (C))

If applicable to the work and services performed by CONTRACTOR under the AGREEMENT, during the performance of the AGREEMENT, CONTRACTOR shall comply with the Equal Employment Opportunity Clause (41 CFR 60-1.4(b)):

(1) CONTRACTOR will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. CONTRACTOR will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. AGREEMENTOR agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) CONTRACTOR will, in all solicitations or advertisements for employees placed by or on behalf of the CONTRACTOR, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.

(3) CONTRACTOR will send to each labor union or representative of workers with which it has a collective bargaining agreement or other agreement or understanding, a notice to be provided advising the said labor union or workers' representatives of the CONTRACTOR'S commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) CONTRACTOR will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(5) CONTRACTOR will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor for purpose of investigation to ascertain compliance with such rules, regulations, and orders.

(6) In the event of the CONTRACTOR'S noncompliance with the nondiscrimination clauses of this AGREEMENT or with any of the said rules, regulations or orders, this AGREEMENT may be canceled, terminated, or suspended in whole or in part and the CONTRACTOR may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(7) CONTRACTOR will include the portion of the sentence immediately preceding paragraph (1) and the provisions of subparagraphs 1 through 7 in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or contractor. CONTRACTOR will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: provided, however, that in the event CONTRACTOR becomes involved in, or is threatened with, litigation with a subcontractor or contractor as a result of such direction by the administering agency the CONTRACTOR may request the United States to enter into such litigation to protect the interest of the United States.

D. DAVIS-BACON ACT AND COPELAND "ANTI-KICKBACK" ACT, 2 CFR §200.326 Appen. II to Part 200 (D)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT:

(1) Bacon-Davis Act: Applicable to construction or repair of public buildings or public works, see FEMA Public Assistance Program and Policy Guide, Ch.2(V)(G)(2), page 32 (FP 104-009-2/January 2016);

(2) Copeland "Anti-Kickback" Act: In contracts subject to the Davis-Bacon Act, CONTRACTOR shall comply with the Copeland "Anti-Kickback" Act (40 U.S.C. §3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that the contractor and subcontractor must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The GOVERNMENT must report all suspected or reported violations to the appropriate Federal agency.

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT:

(a) CONTRACTOR shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this AGREEMENT.

(b) CONTRACTOR or subcontractor shall insert in any subcontract the clause above and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The CONTRACTOR shall be responsible for the compliance by any subcontractor or lower tier subcontract with all of these contract clauses.

(c) A breach of the AGREEMENT clause above may be grounds for termination of the AGREEMENT, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. §5.12.

E. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, 2 CFR §200.326 Appendix II to Part 200 (E) (40 U.S.C. 3701-3708)

Contracts in excess of \$100,000 that involve the employment of mechanics or laborers shall comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor and its subcontractors shall compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation: liability for unpaid wages: liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

(3) Withholding for unpaid wages and liquidated damages. The GOVERNMENT shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) The contractor and subcontractor shall insert in any subcontract the clauses set forth in paragraphs (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts.

F. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT, 2 CFR §200.326 Appendix II to Part 200 (F)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT and if the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the GOVERNMENT wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the GOVERNMENT must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business."

G. CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT, 2 CFR §200.326 Appendix II to Part 200 (G)

CONTRACTOR shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

CONTRACTOR shall include the foregoing requirements in each subcontract exceeding \$100,000.

H. ENERGY EFFICIENCY AND CONSERVATION, 2 CFR §200.326 Appendix II to Part 200 (H)

If applicable to the work and services performed by CONTRACTOR under the parties' AGREEMENT, CONTRACTOR shall comply with the mandatory standards and policies of the state regulation promulgated in accordance with the Energy Policy and Conservation Act (42 U.S.C. § 6201).

I. DEBARMENT AND SUSPENSION, 2 CFR §200.326 Appendix II to Part 200 (I)

(1) This AGREEMENT is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the CONTRACTOR is required to verify that none of the contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

(2) The CONTRACTOR must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

(3) This certification is a material representation of fact relied upon by GOVERNMENT. If it is later determined that the CONTRACTOR did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to GOVERNMENT, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

(4) The CONTRACTOR agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C AGREEMENT is valid and throughout the period of performance. The CONTRACTOR further agrees to include a provision requiring such compliance in its lower tier covered transactions.

J. BYRD ANTI-LOBBYING AMENDMENT, 2 CFR §200.326 Appendix II to Part 200 (J)

CONTRACTOR must file with the GOVERNMENT the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award. If not provided with the bid response, CONTRACTOR must complete and submit the Certification Regarding Lobbying Form.

K. PROCUREMENT OF RECOVERED MATERIALS, 2 CFR §200.326 Appendix II to Part 200 (K) and 2 CFR §200.322)

(1) In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired-

- (a) Competitively within a timeframe providing for compliance with the contract performance schedule;
- (b) Meeting contract performance requirements; or
- (c) At a reasonable price.

(2) Information about this requirement is available at EPA's Comprehensive Procurement Guidelines web site, <http://www.epa.gov/cpg/>. The list of EPA-designate items is available at <http://www.epa.gov/cpg/products/htm>.

L. AGREEMENTING WITH SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS (2 CFR §200.321)

Should the CONTRACTOR subcontract any of the work under this AGREEMENT, CONTRACTOR shall take the following affirmative steps: place qualified small and minority businesses and women's business enterprises on solicitation lists; assure that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources; divide total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises; establish delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and use the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

M. ACCESS TO RECORDS

(1) CONTRACTOR agrees to provide GOVERNMENT, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives' access to any books, documents, papers, and records of the Contractor which are directly pertinent to this AGREEMENT for the purposes of making audits, examinations, excerpts, and transcriptions.

(2) CONTRACTOR agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

(3) CONTRACTOR agrees to provide the FEMA Administrator or his authorized representatives' access to construction or other work sites pertaining to the work being completed under the contract.

N. SEAL, LOGO AND FLAGS

CONTRACTOR shall not use the U.S. Department of Homeland Security's seal(s), logos, crests, or reproductions of flags or likenesses of the U.S. Department of Homeland Security's agency officials without specific FEMA preapproval.

O. COMPLIANCE WITH FEDERAL LAW, REGULATIONS AND EXECUTIVE ORDERS

This is an acknowledgement that FEMA financial assistance will be used to fund the AGREEMENT only. CONTRACTOR will comply will all federal law, regulations, executive orders, FEMA policies, procedures, and directives.

P. NO OBLIGATION BY FEDERAL GOVERNMENT

The Federal Government is not a party to this AGREEMENT and is not subject to any obligations or liabilities to GOVERNMENT, CONTRACTOR, or any other party pertaining to any matter resulting from the contract.

Q. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS

CONTRACTOR acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the CONTRACTOR'S actions pertaining to this contract.

Special Requirements/Instructions

The following requirements and instructions supersede General Requirements where applicable.

1. Bid Requirement

Each bidder shall ensure that required parts of the bid are completed with accuracy and submitted as per the requirements within this specifications packet, including any addenda.

Bidder is responsible for submitting one (1) *original* bid copy to include a completed copy of this specifications packet in its entirety; and three (3) numbered bid *copies* to include at a minimum all pages requiring completion and/or marked with instructions to be returned with bid submission and any other documentation requested within these specifications.

All bids shall be tightly sealed in an opaque envelope or box and plainly marked "SEALED BID." The outside of the envelope or box shall also include: Bid Number, Bid Name, Bid Due Date, Bidder's Name and Address; and shall be addressed to the Purchasing Agent.

Jefferson County shall not be responsible for any effort or cost expended in the preparation of a response to this IFB. All protests should be coordinated through the Purchasing Office prior to award recommendation to Commissioners' Court.

2. Vendor Registration: SAM (System for Award Management).

Vendors doing business with Jefferson County are **required** to be registered with The System for Award Management (SAM), with an "active" status. The System for Award Management (SAM) is the Official U.S. Government system that consolidated the capabilities of CCR/FedReg, ORCA, and EPLS. There is NO fee to register for this site. Entities may register at no cost directly from the SAM website at: <https://www.sam.gov>

Bidders are strongly encouraged to review their firm's SAM (System for Award Management) status prior to Bid Submission.

3. Awarded Vendor(s): Submission of FORM 1295 (Texas Ethics Commission)

In accordance with House Bill 1295 (passed January 1, 2016), Vendors entering into contracts and professional agreements with Jefferson County will be required to complete a Certificate of Interested Parties (FORM 1295).

In 2017, the Texas legislature amended the law to require Form 1295 to include an "unsworn declaration" which includes, among other things, the date of birth and address of the authorized representative signing the form. The unsworn declaration, including the date of birth and address of the signatory, replaces the notary requirement that applied to contracts entered into before January 1, 2018. The TEC filing application does not capture the date of birth or street address of the signatory and it will not appear on forms that are filed using the TEC filing application.

Upon entering into a contract or professional agreement, the Jefferson County Purchasing Department will submit a request to the Vendor to both:

1. Submit a FORM 1295 online via the Texas Ethics Commission website link below.

Vendors must enter the required information on Form 1295, and print a copy of the completed form. The form will include a certification of filing that will contain a unique certification number.

2. Submit a FORM 1295 hard copy (completed & signed by an Authorized Agent of the Awarded Vendor), to the Jefferson County Purchasing Department.

FORM 1295, Completion Instructions, and Login Instructions are available via the Texas Ethics Commission Website at: https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

4. Multiple Vendor Award

Jefferson County reserves the right to award this contract to more than one vendor at the County's discretion.

5. Delivery

If delivery is required, all items must be packaged so as to be protected from damage during shipping and handling. Any item(s) damaged in shipping must be replaced in kind, or repaired, by the contractor, at the discretion of, and at no additional charge to, Jefferson County.

6. Payment

Jefferson County will pay original invoices that clearly itemize the goods and/or services provided as to quantity, part number, description, price, applicable discount (if any), labor charges showing time differential, if applicable and if previously agreed to, and delivery, installation, and set-up costs, if applicable and if previously agreed to. Only charges as stated on the Bid Form(s) submitted as a part of the bid will be considered.

Invoices must indicate Jefferson County as applicable, the address to which the product(s) and/or service(s) were delivered, and the applicable purchase order number. Invoices will be matched to delivery tickets prior to payment; therefore, all delivery tickets should have an accurate description of the product(s) and/or service(s).

Invoices shall be submitted to: Jefferson County Auditing Department, Attention: Accounts Payable, 1149 Pearl Street, 7th floor, Beaumont, TX 77701.

7. Usage Reports

Jefferson County reserves the right to request, and receive at no additional cost, up to two (2) times during the contract period, a usage report detailing the products and/or services furnished to date under a contract resulting from this IFB. The reports must be furnished no later than five (5) working days after written request and itemize all purchases to date by Jefferson County department, description of each item purchased, including manufacturer, quantity of each item purchased, per unit and extended price of each item purchased, and total amount and price of all items purchased.

8. Insurance

The contractor (including any and all subcontractors as defined in Section 9.1.3 below) shall, at all times during the term of this contract, maintain insurance coverages with not less than the type and requirements shown below. Such insurance is to be provided at the sole cost of the contractor. These requirements do not establish limits of the contractor's liability.

All policies of insurance shall waive all rights of subrogation against the County, its officers, employees and agents; a copy of the policy wording or endorsement is required.

Contractor shall furnish Jefferson County with Certificate of Insurance and applicable endorsements.

All insurance must be written by an insurer licensed to conduct business in the State of Texas.

Minimum Insurance Requirements

General Liability, including Products	\$1,000,000
Business Auto Liability	\$1,000,000
Cargo / Transit Coverage	Replacement Cost Value of Equipment Purchased
Excess Liability	\$1,000,000
Workers' Compensation	Statutory Coverage

9. Workers' Compensation Insurance

9.1 Definitions:

- 9.1.1 **Certificate of coverage ("Certificate")** – A copy of a certificate of insurance, a certificate of authority to self-insure issued by the commission, or a coverage agreement, DWC-81, DWC-82, DWC-83, or DWC-84 showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the duration of the project.
- 9.1.2 **Duration of the project** – Includes the time from the beginning of the work on the project until the contractor's/person's work on the project has been completed and accepted by the governmental entity.
- 9.1.3 **Persons providing services on the project ("subcontractor") in article 406.096** – Includes all persons or entities performing all or part of the services under the contractor has undertaken to perform on the project, regardless of whether that person contracted directly with the contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractor, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services on the project. "Services" includes, without limitation, providing, hauling or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the project, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.
- 9.2 The Contractor shall provide coverage, based on proper reporting of classification code and payroll amounts and filing any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all employees of the contractor providing services on the project, for the duration of the project.
- 9.3 The Contractor must provide a certificate of coverage to the governmental entity prior to being awarded the contract – refer to Section 8 above.
- 9.4 If the coverage period shown on the Contractor's current certificate of coverage ends during the duration of the project, the Contractor must, prior to the end of the coverage period, file a new certificate of coverage with the governmental entity showing that coverage has been extended.
- 9.5 The Contractor shall obtain from each person providing services on a project, and provide to the governmental entity:
 - 9.5.1 A certificate of coverage, prior to that person beginning work on the project, so the governmental entity will have on file certificates of coverage showing coverage for all persons providing services on the project; and
 - 9.5.2 No later than seven (7) days after receipt by the Contractor, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate ends during the duration of the project.
- 9.6 The Contractor shall retain all required certificates of coverage for the duration of the project and for one (1) year thereafter.
- 9.7 The Contractor shall notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the contractor knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project.
- 9.8 The Contractor shall post on each project site a notice, in the text, form and manner prescribed by the Texas Department of Workers' Compensation, informing all persons providing services on the project that they are required to be covered, and stating how a person may verify coverage and report lack of coverage.

- 9.9 The Contractor shall contractually require each person with whom it contracts to provide services on a project to:
- 9.9.1 Provide coverage, based on reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all its employees providing services on the project, for the duration of the project.
 - 9.9.2 Provide to the Contractor, prior to that person beginning work on the project a certificate of coverage showing that coverage is being provided for all employees of the person providing services on the project, for the duration of the project.
 - 9.9.3 Provide the Contractor, prior to the end of coverage period, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project.
 - 9.9.4 Obtain from each person with whom it contracts, and provide to the Contractor:
 - 9.9.4.1 A certificate of coverage, prior to the other person beginning work on the project; and
 - 9.9.4.2 the coverage period, if the coverage period shown on the current certificate of a new certificate of coverage showing extension of coverage, prior to the end of coverage ends during the duration of the project.
 - 9.9.5 Retain all required certificates of coverage on file for the duration of the project and for one (1) year thereafter.
 - 9.9.6 Notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the person knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project; and
 - 9.9.7 Contractually require each person with whom it contracts to perform as required by paragraphs 9.1. – 9.7., with the certificates of coverage to be provided to the person for whom they are providing services.
- 9.10 By signing this contract or providing or causing to be provided a certificate of coverage, the Contractor is representing to the governmental entity that all employees of the contractor who will provide services of the project will be covered by workers' compensation coverage for the duration of the project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.
- 9.11 The Contractor's failure to comply with any of these provisions is a breach of contract by the Contractor which entitles the governmental entity to declare the contract void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the governmental entity.

Minimum Specifications

The following requirements and specifications supersede General Requirements where applicable. Any questions relating to these requirements should be directed to Jamey West, Assistant Purchasing Agent, at 409-835-8593 or jwest@co.jefferson.tx.us. Bidders may submit technical questions to: Jason Castille, with Jefferson County Precinct No. 3 at pct3sc@co.jefferson.tx.us. Please reference bid number IFB 18-013/JW.

Please be sure to review these bid specifications *carefully*, as the item that you are offering must **MEET OR EXCEED** these specifications.

Scope

Jefferson County is soliciting bids for heavy equipment to replace equipment that was damaged and rendered unrepairable due to Hurricane Harvey. **All bids should be for brand new, completely unused equipment.**

The specifications shown in this bid packet are intended to define the level of quality, performance, and features ONLY. Products offered shall be of equivalent dimensions, quality, performance and features or better (the brand name product listed is not required).

Instructions to Bidders (Re: Brand Reference / Equivalent Item Bids)

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders Submitting Bids for Alternate/Equivalent Items:

► Bidders may submit bids on alternate/equivalent items, but **MUST** attach TWO (2) COPIES of the MANUFACTURER SPECIFICATIONS (to include full warranty terms) for any alternate at the time of the bid.

► Bidders offering alternate/equivalent items **MUST ALSO** submit an ITEMIZED COMPARISON documenting equivalence for dimensions, quality, performance, and features of the products offered.

Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders Submitting Bids for Exact Make/Model as specified:

► Bidders offering the exact make/model as specified, **MUST** attach TWO (2) COPIES of the MANUFACTURER SPECIFICATIONS (to include full warranty terms).

Bid Item 1: Motor Grader

One (1) Mustang CAT Model: 120M2 Motor Grader or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey. This piece of equipment is to be in new, unused condition.

For full technical specifications for this bid item, see APPENDIX A.

Warranty Term for this equipment (included, without additional cost) should be at least: Five (5) calendar years from the date of delivery of equipment. The first year of warranty should cover the powertrain and hydraulics for an unlimited amount of hours; with warranty years 2-5 to cover 3,000 hours for powertrain and hydraulics.

Trade-In: Jefferson County will be trading in a used and **flood-damaged** 1998 Champion Motor Grader Model 710 A towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 1: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 22-36).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 37).

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Machine designed and built by the manufacturer
- _____ Base Machine Weight shall not be less than 37,214 lbs. Weight shall include: standard machine configuration, lubricants, coolants, full fuel tank and operator of 200 lbs.
- _____ Machine height to top of the cab shall not exceed 131 in.
- _____ Machine length from the front outside edge tire to end of tow hitch shall not be less than 344 in.
- _____ Machine length from counterweight to ripper not exceed 394 in.
- _____ Machine Wheel Base (distance from front axle to mid tandem) shall not be less than 233 in.
- _____ Rear frame includes two box section channels with an integrated bumper as standard.
- _____ Toolbox
- _____ Window protectors
- _____ Cruise control
- _____ Drain, ecology, engine Wiggins
- _____ Cat Product Link 321SR

BASIC SPECIFICATIONS – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Vandal protection standard including locks for cab doors, engine side shields, (4) top tank radiator access door, engine coolant surge tank, hydraulic reservoir cap, fuel tank cap and toolbox.
- _____ Rear hitch.

ENGINE

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Engine designed and built by the manufacturer.
- _____ Engine is turbo-charged, direct injection, four stroke, 6-cylinder diesel engine.
- _____ 209 horsepower
- _____ Engine is certified EPA Tier 4 Final.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ENGINE (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Engine electronically controlled for more efficient fuel injection and fuel burn.
- ☐ Engine able to achieve rated power requirement with engine displacement not less than 7.1L (428 in.³) for better fuel economy.
- ☐ Engine capable of increasing its low idle to 1,000 rpm when the battery voltage is below 24.5 volts for more than 5 minutes to ensure adequate system voltage and battery reliability.
- ☐ Altitude deration will not occur at altitudes less than 10,000 ft. The deration rate above 10,000 ft. shall be 1.5% per 1,000 ft.
- ☐ Rated engine power shall not be achieved at an engine speed greater than 2,100 rpm.
- ☐ Engine will have a minimum torque rise of 56% from 2,100 rpm to peak torque following SAE J1349 (net power with max fan).
- ☐ Engine enclosure and daily service points accessible from ground level and grouped on the left side of the machine.
- ☐ Engine fan automatically adjusts fan speed via a variable hydraulic fan pump to meet engine cooling requirements thus reducing demand on the engine, putting more horsepower to the ground, reducing noise, improving fuel economy, and reducing heat.
- ☐ Engine allows for at least 500 hours of operation between oil changes.
- ☐ Engine is isolation/resilient mounted to minimize sound and vibration.
- ☐ Engine compartment doors are lockable without the use of external locks.
- ☐ Engine automatically lowers engine torque and alerts the operator if critical conditions are detected.
- ☐ Engine has air-to-air after cooler for superior engine performance.
- ☐ Engine oil cooler is a water to oil shell and tube cooler system.
- ☐ Machine has a 12,000 hour coolant interval from factory.
- ☐ The cooling package air intake has 2.8 mm perforated inlet screen.
- ☐ The charged air cooler (ATAAC) has 9 fins per inch.
- ☐ Heater, engine coolant: 120 V
- ☐ Heater, engine coolant: 240 V

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ENGINE-OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ A jacket water heater to assist in cold weather starting.
- ☐ An engine coolant heater to assist in cold weather starting.
- ☐ Ether starting aid included to automatically meter ether injection to prevent engine damage.

POWERTRAIN/TRANSMISSION

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Transmission built by the machine manufacturer.
- ☐ Transmission is direct drive, power shift, countershaft type.
- ☐ Transmission is equipped with built-in self-diagnostic capability.
- ☐ Transmission shall have no less than 8 forward speeds and 6 reverse speeds (for added safety).
- ☐ Transmission has 5 working gears between 0-10.4 mph, for dirt applications.
- ☐ Transmission is isolated/resilient mounted to reduce sound and vibration.
- ☐ Transmission: auto shift.
- ☐ Powertrain: fuel tank, fast fill.
- ☐ Powertrain: Oil, hydraulic, biodegradable synthetic.
- ☐ Starter: heavy duty, 1,000 Amp
- ☐ A controlled throttle shifting system to smooth directional gear changes without use of inching pedal
- ☐ Electronic Throttle Control (cruise control), controlled by a push button, located on a 3-axis joystick as standard on the right joystick control for resuming and decreasing throttle set.
- ☐ Electronic Throttle Control modes, set and accelerate functions, located on the right control column for easy access.
- ☐ A load compensating system for transmission to ensure consistent shift quality in all applications.
- ☐ Automatic Differential Lock/Unlock feature included and shall not have speed, shuttle shifting or tandem spinning restrictions for engaging/disengaging. System is load-sensing for optimal performance.
- ☐ Automatic mode that shall not be overridden via manual intervention for optimal performance and to prevent unintended differential engagement.

Bid Item 1: Motor Grader TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

POWERTRAIN/TRANSMISSION (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Differential Lock/Unlock that is electro-hydraulically controlled, as a standard feature.
- ☐ Differential Lock/Unlock that is multi-disc design.
- ☐ Final drive with planetary design.
- ☐ The rear axle with a bolt-on modular design offering easy access to differential components, improving serviceability and contamination control.
- ☐ The total surface area of all the transmission clutch packs not be less than 1,495 in.².
- ☐ Diameter at the output end of the transmission shaft no less than 2.29 in..
- ☐ Electronic inching pedal for improved modulation and machine control.
- ☐ Electronic over-speed protection to prevent the engine and transmission from over speeding, as a standard feature.
- ☐ Machine shall have no drive shafts that cross over the articulation hitch.

POWERTRAIN/TRANSMISSION - OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ An auto-shift transmission option available on all forward and reverse gears.

STEERING & IMPLEMENT CONTROLS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Steering wheel shall not be required to operate machine.
- ☐ Joystick steering capabilities shall be ISO 5010.
- ☐ Machine shall employ a friction pack style steering mechanism, utilizing the follow steer concept.
- ☐ The left 3-axis joystick that controls wheel lean with individual left and right wheel lean buttons as standard.
- ☐ Primary steering capable of being achieved via a left hand, multifunction, 3-axis, joystick as standard, using an intuitive steering control system that automatically adjusts steering sensitivity as machine ground speed increases.
- ☐ Articulation to the right or left shall be achieved by multifunction, 3-axis left joystick with the twist of such to the right or left by the left-hand, multifunction, 3-axis joystick.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STEERING & IMPLEMENT CONTROLS (Continued)

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- _____ An articulation return-to-center button on the left multifunction, 3-axis, joystick, shall return the machine to a straight frame position from any articulation angle with the touch of a single button.
- _____ The right 3-axis joystick shall primarily control the Drawbar, Circle, and Moldboard.
- _____ Machine, Drawbar, Circle, and Moldboard control shall be achieved via right-hand multifunction, 3-axis, joystick, including moldboard slide and tip, drawbar center shift through a 4-way hat switch and circle turn by a left or right twist intuitively.
- _____ Blade lift cylinders individually controlled by the multifunction, 3-axis joysticks; Lift and drop of cylinders shall be achieved forward and back motion of the respective joystick. Forward (left joystick) lowers the left cylinder, back (left joystick) raises the left lift cylinder, forward (right joystick) lowers the right lift cylinder, back (right joystick) raises the right lift cylinder.
- _____ Joystick controls mounted to adjustable pedestals, hard mounted to the cab floor, independent of the operator seat.
- _____ Secondary steering with primary and secondary power supply in the event the primary source is lost.
- _____ Transmission direction control with a 3-position rocker switch for selecting forward, neutral, and reverse incorporated into a single, 3-axis, multi-function, left-hand joystick control.
- _____ Manual Differential Lock/Unlock that is operator controlled, via a push-button, located on a single, 3-axis, multi-function, right-hand joystick control.
- _____ Two redundant articulation sensors.
- _____ Two redundant sensors shall be standard in the steering cylinders (one in each).
- _____ Three redundant sensors shall be provided in the steering joystick for additional safety.

BRAKES

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- _____ Primary and secondary service brakes.
- _____ Entire braking system shall meet all requirements of ISO 3450: 1996.
- _____ Two separate left and right hydraulic brake accumulators shall be standard for safety.
- _____ Parking brake shall be multi-disc, oil-cooled, spring-applied, hydraulically released, sealed, adjustment-free and integrated into the transmission. Park brake shall not be externally located.
- _____ Parking brake shall be serviceable without removing the transmission.
- _____ Service brakes shall be multi-disc, oil-cooled and completely sealed; they will also provide access to check and determine brake wear without removing or disassembling the brake assembly.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

BRAKES (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Service brake disc surfaces shall be grooved and carry oil between discs and plates with brakes fully applied.
- _____ Service brakes shall be hydraulically actuated, utilizing dual independent brake circuits.
- _____ Brakes shall be continuously pressurized, filtered, oil cooled.
- _____ Individual brake pods for each rear wheel, located at each rear wheel inside the tandem box, independent of tandem chains.
- _____ Compensation components at all four tandem brake pods in addition to the brake wear indicator.
- _____ Brake line protection, including tandem walkways and hydraulic brake line guarding, shall be required to prevent line damage.
- _____ Service brakes shall provide a minimum of 3,565 in.² of total friction material surface area used at each of the four tandem wheels to eliminate braking loads on the power train.

HYDRAULIC SYSTEM

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Triple redundant hydraulic relief system shall protect machine hydraulic components.
- _____ Hydraulic implement pump shall produce between 0 and 55.5 gal/min (210L/min) of oil flow at high idle.
- _____ Hydraulic system shall be a closed center, load sensing type, with a variable displacement, axial piston-type pump.
- _____ Hydraulic system shall be fully sealed, using Duo-cone and O-ring face seals to prevent leaks, contamination, and spillage.
- _____ Hydraulic tank shall have a baffling system to reduce potential pump cavitations.
- _____ Maximum hydraulic system pressure shall be no more than 3,500 psi.
- _____ Implement valves shall be electro-hydraulic, designed and built by the machine manufacturer.
- _____ Implement pump shall not be mounted under cab floor, minimizing sound and vibration.
- _____ Hydraulic arrangements with one or more additional hydraulic valves for rear ripper, dozer.
- _____ Implement valves shall be proportional priority pressure compensating for consistent response, when multi-functioning any combination of implement controls and independent of engine speed.
- _____ Implement pump solely dedicated to implement controls and not shared with any other components.
- _____ Lock valves integrated into the main implement valve to prevent cylinder drift.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

HYDRAULIC SYSTEM (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ The hydraulic stand-by pressure shall be no more than 609 psi.
- ☐ Provision to install up to fifteen modulating hydraulic valves, controlled by two, three-axis, multi-functioning, joystick controls and auxiliary controls inside the cab.
- ☐ Hydraulic valves shall not be mounted under the cab floor, minimizing sound and vibration.
- ☐ Left and right blade lift cylinders shall have independent float capability, actuated by two multifunction, 3-axis joystick controls inside the cab, as a standard feature.
- ☐ Sight gauge provided for checking hydraulic reservoir fluid.
- ☐ Hydraulic oil change service interval shall be no less than 6,000 hours with oil sampling.
- ☐ Hydraulic system shall have a separate oil tank solely dedicated to the implement pump.

FRONT AXLE AND TANDEMS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Front axle oscillation shall be no less than 32 degrees total, per side 16 degrees up, 16 degrees down.
- ☐ Front axle with arched design for maximum ground clearance.
- ☐ Wheel spindle shall be a "live" spindle design and rotate inside a sealed compartment with lightweight oil for lubrication of the bearings.
- ☐ Front spindle that is heat induction hardened.
- ☐ Front wheel spindle bearings shall be a double-tapered design with the larger diameter bearing mounted closest to the centerline of the front tire.
- ☐ Front wheel spindle maintenance intervals shall be no less than 2,000 hours.
- ☐ Front wheel steering angle no less than 47.5 degrees left or right.
- ☐ Maximum front wheel lean no less than 18 degrees left or right.
- ☐ Machine turning radius not exceed 24 ft. 3 in. using front steering, full articulation and unlocked differential.
- ☐ Distance between center of tandem wheels no less than 59.5 in..
- ☐ Tandem chain pitch not be less than 1.8 in..
- ☐ Tandems capable of oscillating 15 degrees front tandem up and 25 degrees front tandem down, with full machine articulation and having no interference between tandem wheel and machine structure.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

FRONT AXLE AND TANDEMS (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Electronic and mechanical steering stops located at each wheel and steering cylinder relief valves shall be present to prevent steering system damage during normal operation.
- _____ Steering tie rod ends shall be heat induction hardened.
- _____ Two steering cylinders for maximum steering force.
- _____ When equipped with a ripper, the machine shall have a minimum ramp angle of 15 degrees.

TIRES AND RIMS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ A 10 inch by 24 inch size 3-piece tire rim shall be available to provide mounting for 14.00R24 conventional tires.

TIRES AND RIMS – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ A 14 inch by 25 inch size 3-piece tire rim shall be available to provide mounting for 17.5-R25 tires.

GUARDS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Guards: Sound suppression (bottom)
- _____ Guards: Sound suppression (enclosure)
- _____ Guards: Transmission

OPERATORS STATION

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ An enclosed cab with ROPS (Rollover Protective Structure) according to ISO 3471 shall be provided.
- _____ Cab door with hold-open clasp with a ground-level release and in addition to, a release in the cab.
- _____ Cab shall be isolation-mounted to the front frame section of the machine.
- _____ Cab shall have fixed front window of laminated glass with intermittent wiper.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

OPERATORS STATION (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ FOPS (Falling Object Protective Structure) shall be provided according to ISO 3499.
- ☐ Machine shall have no less than 17 adjustable vents, positioned to direct air to front windows and operator.
- ☐ Radio ready arrangement will include 24V to 12V converter, two speakers, antenna, and wiring.
- ☐ An instrument cluster that includes a speedometer, tachometer, coolant temperature, fuel and articulation angle gauge.
- ☐ Operator cab fresh air-filter accessible for clean out and replacement, from outside of the cab at ground level.
- ☐ A real-time information system shall monitor all system data and alert the operator of any faults through a digital text display. This information system shall be programmable for multiple languages.
- ☐ Left and right side cab doors shall be provided.
- ☐ Wipers on side and rear windows.
- ☐ Digital machine hour meter.
- ☐ Electronic message system shall provide real-time machine performance and diagnostic data.
- ☐ Mirrors, outside: heated 24 V
- ☐ Mirrors, outside: mounted
- ☐ Precleaner: HVAC
- ☐ Radio Ready, AM/FM
- ☐ Shade, sun
- ☐ Forward visibility shall be continuous and unobstructed glass from roofline to floor providing visibility of the blade, heel and toe, back of the cutting edge, and front tires.
- ☐ Access to cab shall be three anti-skid steps.
- ☐ Cab shall have cup holder, personal cooler holder/storage compartment for operator's manual, with a molded floor mat.
- ☐ Window washer fluid bottle refill spout shall be located external of the cab.
- ☐ Auxiliary control pod, with implement float control capability, shall be available.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

OPERATORS STATION – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Auxiliary controls shall be available for control of attachment implements and/or work tools, and shall be programmable via computer software.
- _____ Auxiliary controls shall be a fingertip control type and located beside the right-hand joystick control.
- _____ Integrated display and wiring for a rear vision camera shall be available with capability to view at all times without interfering with the gauge and diagnostic display.
- _____ A rear sun shade shall be available.
- _____ A rear defroster fan shall be available.
- _____ An air suspension seat shall be available.

CIRCLE & MOLDBOARD

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Drawbar, circle, and moldboard shall be controlled with a maximum of two multifunction, 3-axis joysticks, as standard.
- _____ Drawbar wear strips shall be replaceable drop-in inserts made from nylon composite materials, replaceable and adjustable from the top of the drawbar plate via removable cover plates.
- _____ The drawbar shall feature welded protective wear plates to prevent lift group contact with the primary drawbar structure.
- _____ The moldboard shall be 12 ft. long, 24 in. high and no less than 7/8 in. thick.
- _____ Moldboard shall have a bank slope angle capability of at least 90 degrees to both sides.
- _____ Moldboard shall have no less than 16.3 in. arc radius (blade curvature) for optimum productivity.
- _____ The moldboard retention system shall have no more than two retention points located on the left and right side of the moldboard. The surface area shall no be less than 78.13 in.².
- _____ Moldboard shall have a hydraulic tip control through a range of 40 degrees fore and 5 degrees aft.
- _____ Moldboard wear strips shall be adjusted with lock screws, providing shim-less adjustment capability both vertical and horizontal.
- _____ The moldboard shall be pre-stressed during manufacturing for superior strength and durability.
- _____ Moldboard side rails shall be constructed of heat-treated, high carbon steel and have replaceable bronze alloy wear inserts on top and bottom.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

CIRCLE & MOLDBOARD (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Circle shall be a single piece, rolled-ring forging, with raised wear surfaces on the top and bottom.
- _____ Circle shall be rotated by a hydraulically driven motor with a minimum circle pinion torque capability of 44,253 ft.-lb.
- _____ Circle teeth contact surfaces shall be induction-hardened on the front 240 degrees of the circle.
- _____ Blade lift and center shift cylinders shall have replaceable bronze-alloy wear inserts in the ball sockets with removable shims to insure the ability to remove free play throughout the useful wear insert life.
- _____ The lift cylinder casting shall be welded to the front frame for added strength and structural integrity.
- _____ The standard mounting hardware for cutting edges and end bits shall be 3/5 inch.
- _____ Linkbar pin shall be separate from pin pulling mechanism for easier service and lower O&O costs.
- _____ The draft frame pivot connection shall have a single ball stud with grease zerk. Ball stud shall be bolt-on, shimable and adjustable to allow for quick and easy field serviceable design.
- _____ Three sideshift anchor positions shall be provided for extended reach capability as standard.
- _____ Pinion Gear shall be separate from the Pinion Shaft to allow for a quick and easy serviceable design.
- _____ Circle outside diameter shall be no less than 60.2 in.
- _____ Throat clearance with standard moldboard shall be at least 126 mm.
- _____ There will be no more than 6 replaceable wear inserts between the circle and drawbar providing at least 163 in.² of wear surface area.

CIRCLE & MOLDBOARD – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Blade lift accumulators shall be provided, protecting cutting edge and other components from damage shock loads as an option.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

WORK TOOLS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Blade extension, left hand (2 ft.)
- ☐ Cutting edges, curved
- ☐ Endbits, overlay
- ☐ Front lift group, mounting
- ☐ Front lift group, mechanical
- ☐ Grader bit, narrow and super penetration
- ☐ Push plate, counterweight
- ☐ Ripper, mounting
- ☐ Ripper, rear
- ☐ Ripper tooth

ELECTRICAL

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Six 3 X 3 halogen mounted cab lights.
- ☐ 24 V to 12 V converter with 10-amp capacity.
- ☐ Starting system shall be a 24 V direct electric type.
- ☐ Incandescent white reversing lamps and LED stop lamps shall be provided.
- ☐ Electrical system shall have a master disconnect switch with a removable key (in addition to the ignition switch), accessible from the ground level.
- ☐ Core machine systems shall be electronically connected, optimizing performance and preventing machine damage.
- ☐ All wiring arranged and located so as to facilitate regular visual inspections, not to be in contact with hot surfaces and not routed with other services lines (e.g. fuel, oil, etc.)
- ☐ All harnesses/cabling secured with clipping clamps providing a gap between the conduit/harness and the mounting surface preventing material build-up.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

ELECTRICAL – OPTIONAL ATTACHMENTS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☐ 800 CCA batteries
- ☐ 80 amp alternator
- ☐ High and low bar headlights with front turn signals.
- ☐ Amber LED high-speed strobe beacon.
- ☐ 24V to 12V converter with 25 amp capacity.
- ☐ Lights: high
- ☐ Lights: low
- ☐ Lights: Working lights, basic
- ☐ Lights: Working lights, plus
- ☐ Lights: Warning: beacon or strobe
- ☐ Lights: Mounting for warning light

SERVICEABILITY

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☐ High-speed oil drain system with ground level quick-connect access.
- ☐ Lockable swing-out cooling fan housing featuring a latch-style mechanism (shall not be of a bolted design), allowing easy access to cores. Ability to open/close shall be ground level accessible, eliminating need to climb on machine.
- ☐ Dip stick (at ground level) for checking transmission fluid.
- ☐ Hydraulic tank site gauge, readable from the ground.
- ☐ Hydraulic tank filter (cartridge style filter) providing a separate filter element, housing, and drain valve for quick and clean servicing.
- ☐ Ability for ground level fueling.
- ☐ Sampling ports accessible from the tandem level and providing access to the engine, hydraulic, coolant, and fuel ports.
- ☐ A two-way communication tool shall give service technicians easy access to stored diagnostic data and allow configuration of machine parameters.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

SERVICEABILITY (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ The articulation joint shall have mechanical locking device to prevent frame articulation while servicing or transporting the machine.
- ☐ Left and right side tandem case assemblies shall be covered with punched steel plate to provide an adequate platform for standing and walking.
- ☐ Sampling ports shall be accessible from the tandem level and provide access to the engine, hydraulic coolant, and fuel ports.
- ☐ Engine primary and final fuel filters with 500 hour service replacement interval.
- ☐ Engine with primary fuel filter with fuel water separator and electronic sensor, quick release dual stage filter and primer pump.
- ☐ Centralized lube bank at the articulation joint to give access to difficult zerks.
- ☐ Transmission filter restriction indicator displayed in the cab.
- ☐ Lock-out Tag-out capabilities provided standard to increase the safety levels during down time; ensuring that an energy isolating device and the machine which are being worked cannot be operated.

SERVICEABILITY – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Guard to protect the machine's transmission from debris.
- ☐ Guard to suppress sound from the engine.

MINIMUM SERVICE FILL CAPABILITIES

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Standard fuel tank capacity of at least 90 gallons.
- ☐ Standard cooling system capacity of at least 12.9 gallons.
- ☐ Standard hydraulic tank capacity of at least 16.9 gallons.
- ☐ Standard engine oil capacity of at least 7.9 gallons.
- ☐ Standard tandem housing capacity of at least 15.6 gallons.
- ☐ Standard front wheel spindle bearing housing capacity of at least 0.1 gallons.
- ☐ Standard circle drive housing capacity of at least 1.8 gallons.

Bid Item 1: Motor Grader

TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

SAFETY AND ENVIRONMENTAL

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Circle drive slip clutch to reduce horizontal moldboard impact damage.
- _____ Black glare-reducing paint on the front frame and engine enclosure to decrease glare from other equipment lights and reflection from the sun and snow.
- _____ Hydraulic implement lock-out, achievable by actuating a single electrical switch within the operator station.
- _____ An external emergency kill switch for ground level engine shut down.
- _____ Secondary, electric steering pump with redundant wiring as a back-up to the primary implement hydraulic pump.
- _____ Laminated glass for the front windows and doors, to protect the operator from shattered glass.
- _____ Dual exits allowing for emergency egress should one side become obstructed.
- _____ Electrical system with master disconnect switch with a removable key and lock for added safety (in addition to ignition switch).
- _____ Steering software system to automatically reduce steering sensitivity as the ground speed increases.
- _____ Back-up lights and sounding alarm when reverse gears are selected.
- _____ Environmentally friendly drain valves for the hydraulic oil, engine oil, engine coolant, transmission, differential and fuel tank.
- _____ Cooling fan with both shroud and rear grill for protection during service.
- _____ Machine shall allow cab interior and exterior lights to remain on separate from ignition switch, for safe exit of the machine during night operation.
- _____ Engine and transmission shall be rubber isolation mounted to reduce noise and vibration.

SAFETY AND ENVIRONMENTAL – OPTIONAL ATTACHMENTS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- _____ Guard shall be available to protect the machine's transmission from debris.
- _____ Rear vision camera with integrated display and wiring.

Bid Item 1: Motor Grader
BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Bid Item 2: Pneumatic Roller

One (1) BOMAG Model: BW11RH-5 Pneumatic Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Pneumatic Roller is to be complete with All Standard Equipment including ROPS/FOPS, Water Sprinkler System, Rotary Beacon, and Additional Ballast to 2,313 lbs., Cocoa Mats and Back-Up Alarm.

For full technical specifications for this bid item, see APPENDIX B.

Warranty term for this equipment (included, without additional cost) should be at least: One (1) calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade In: Jefferson County will be trading in a used and **flood-damaged** Dynapac CP142 (SN: 1000-500C0B000882) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 2: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 39-40).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 2: Pneumatic Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 41).

Bid Item 2: Pneumatic Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Base Machine weight should not be less than 27,000 lbs
- ☐ Capable of speed: 15.5 mph or higher
- ☐ Water Tank Capacity of at least 150 gallons
- ☐ Turning Radius: 9 ft.
- ☐ ROP Height: 9.4'
- ☐ Self-lubricating bushings that are maintenance-free
- ☐ Maintenance-free braking system
- ☐ Flashing lights and blinkers for on-road safety

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Scraper per wheel
- ☐ Hour meter
- ☐ Warning horn
- ☐ Control panel for: engine oil pressure, engine temperature, air filter vacuum, charge control, hydraulic oil filter, coolant level, fuel tank capacity
- ☐ (2) outside mirrors
- ☐ Lockable anti-vandal dashboard protection
- ☐ Operator's platform with: one steering wheel, laterally sliding swivels
- ☐ Back-up alarm
- ☐ Hydrostatic transmission
- ☐ Tier 4 Kubota Diesel Engine
- ☐ Nine 7.50 X 15 X 14 ply tires
- ☐ Fuel gauge
- ☐ Hydrostatic, center articulated steering with +/- 10 degree frame oscillation

Bid Item 2: Pneumatic Roller
TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
 Is to be INCLUDED (for Price Bid):

- _____ Rear wheel oscillation: +/- 4 degrees outside & +/- 5 degrees center
- _____ Spring-Applied, Hydraulically Released (SAHR) brakes

OPTIONAL FEATURES

✓ Check Here If Feature
 Is to be INCLUDED (for Price Bid):

- _____ Headlights (front and rear)
- _____ Turn signals and 4-way flashers
- _____ Pressurized water spray system
- _____ Radial tires w/ approx. 14 ply rating
- _____ Steel ballast
- _____ Heat retention shields
- _____ Pressurized water spray system
- _____ Special paint, 1 color (Enamel only)
- _____ Indicator and hazard lights

Bid Item 2: Pneumatic Roller
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features. Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Bid Item 3: Vibratory Tandem Roller

One (1) BOMAG Model: BW161AD-5 Vibratory Tandem Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Vibratory Tandem Roller is to be complete with All Standard Equipment including 90 degree swivel seat unit, Economizer, ROPS, Temperature Gauge, and Joint with Crabwalk.

For full technical specifications for this bid item, see APPENDIX C.

Warranty term for this equipment (included, without additional cost) should be at least: (1) one calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade-In: Jefferson County will be trading in a used and **flood-damaged** CAT CB534-C (SN: 5HN00552) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 3: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 43-44).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 45).

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☐ Operating Weight should be at least 21,600 lbs
- ☐ Turning Radius: 192.1"
- ☐ Vibratory Frequency for Drums: 3,000/4,200 VPM
- ☐ Engine: 114 horsepower
- ☐ Top speed should be at least 7.5 mph
- ☐ No grease nipples.
- ☐ Sealed bearings.
- ☐ Economizer System
- ☐ Economode Feature
- ☐ Tango Oscillation Feature
- ☐ Visible sight lines to drum edge
- ☐ Open operator's platform
- ☐ 180 degree seat & steering, so the driver can have their front or back turned to the edge of the machine for a better view.

STANDARD EQUIPMENT

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☐ 2 amplitudes / 2 frequencies
- ☐ Kubota Tier 4i engine
- ☐ Automatic vibration operation
- ☐ Individual vibration control
- ☐ Adjustable driver's seat – 180 degrees; laterally slidable with steering wheel
- ☐ On-board indicators: engine speed, speedometer, fuel consumption, engine temperature
- ☐ Pressure sprinkling system with 2 pumps
- ☐ Low water level indicator

Bid Item 3: Vibratory Tandem Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM (Continued)

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Indicator and hazard lights
- ☐ Back-up alarm
- ☐ Battery disconnect switch
- ☐ Storage for documents and tools
- ☐ Emergency stop button
- ☐ ROPS/FOPS w/safety

OPTIONAL EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Economizer
- ☐ Asphalt temperature display
- ☐ Edge cutter
- ☐ Rotary beacon
- ☐ Environmentally friendly hydraulic oil

Bid Item 3: Vibratory Tandem Roller
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked “N/A” on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked “N/A” on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

[illegible]

Bid Item 4: Single Drum Padfoot Roller

One (1) BOMAG Model: BW211PD-5 84" Single Drum Padfoot Roller or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

The Single Drum Padfoot Roller is to be complete with All Standard Equipment including Magnetic Flashing Beacon.

For full technical specifications for this bid item, see APPENDIX D.

Warranty term for this equipment (included, without additional cost) should be at least: One (1) calendar year from the date of the delivery of equipment, with warranty to cover the Full Machine; with warranty to include a (3) three-year/3,000 hour warranty that covers the powertrain (including engine).

Trade-In: Jefferson County will be trading in a used and **flood-damaged** BOMAG BW213DH-40 (SN: 901582561088) towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 4: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 47-48).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write "N/A" in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 49).

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Operating weight should be at least 28,109 lbs
- ☐ Transmission: (4) Gears
- ☐ Motor: 2-wheel drive
- ☐ Vibration Settings: (4)
- ☐ Idle Speed Controller
- ☐ No grease nipples

STANDARD EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ ECOMODE
(adjusts the engine speed to respective power requirements to save 30% less fuel consumption)
- ☐ Warning, information and operation displays with LCD
- ☐ Loading mode
- ☐ Noise insulation
- ☐ Hydrostatic travel and vibration drive
- ☐ Hydrostatic articulated steering
- ☐ Articulated joint lock
- ☐ Rear axle with twin spring accumulator brakes
- ☐ No-spin differential lock
- ☐ Warning horn
- ☐ Single lever control for travel and vibration
- ☐ Seat with arm rest and adjustable for position and height
- ☐ (2) Scrapers
- ☐ Emergency STOP

Bid Item 4: Single Drum Padfoot Roller TECHNICAL SPECIFICATIONS CHECKLIST FORM

STANDARD EQUIPMENT (Continued)

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ Back-up alarm
- ☐ Working lights front/rear
- ☐ Sliding window
- ☐ Battery disconnect switch

OPTIONAL EQUIPMENT

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☐ ROPS/FOPS with safety belt
- ☐ BOMAG ECOSTOP Feature (shuts down the engine automatically depending on temperatures, charging condition, etc.)
- ☐ Indicator and hazard lights
- ☐ Rotary beacon
- ☐ Environmentally compliant hydraulic oil
- ☐ Measuring-and-machine data interface for third-party suppliers

Bid Item 4: Single Drum Padfoot Roller
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Bid Form

Bid Item 1 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX A**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 1: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 22-36).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
1	Mustang CAT Model 120M2 Motor Grader or Equivalent	\$ _____ . ____
		Trade-In Value
Trade-In Value for used & flood-damaged: 1998 Champion Motor Grader Model 710 A		\$ _____ . ____
Total Bid Price (Minus Trade-In Value) \$ _____ . ____		
Projected Delivery Lead Time from Date of Purchase:		_____ weeks
Equivalent Item Description (Make & Model) for Item No. 1: _____		

Bid Form

Bid Item 2 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX B**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 2: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 39-40).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
2	BOMAG Model BW11RH-5 Pneumatic Roller or Equivalent	\$ _____ . ____
		Trade-In Value
Trade-In Value for used & flood-damaged: Dynapac CP142 (SN: 1000-500C0B000882)		\$ _____ . ____
Total Bid Price (Minus Trade-In Value) \$ _____ . ____		
Projected Delivery Lead Time from Date of Purchase:		_____ weeks
Equivalent Item Description (Make & Model) for Item No. 2: _____		

Bid Form

Bid Item 3 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX C**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 3: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 43-44).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
3	BOMAG Model BW161AD-5 Vibratory Tandem Roller or Equivalent	\$ _____ . ____
		Trade-In Value
Trade-In Value for used & flood-damaged: CAT CB534-C (SN: 5HN00552)		\$ _____ . ____
Total Bid Price (Minus Trade-In Value) \$ _____ . ____		
Projected Delivery Lead Time from Date of Purchase:		_____ weeks
Equivalent Item Description (Make & Model) for Item No. 3: _____		

Bid Form

Bid Item 4 - IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX D**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 4: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Pages 47-48).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
4	BOMAG Model BW211PD-5 84" Single Drum Padfoot Roller or Equivalent	\$ _____ . ____
		Trade-In Value
Trade-In Value for used & flood-damaged: BOMAG BW213DH-40 (SN: 901582561088)		\$ _____ . ____
Total Bid Price (Minus Trade-In Value) \$ _____ . ____		
Projected Delivery Lead Time from Date of Purchase:		_____ weeks
Equivalent Item Description (Make & Model) for Item No. 4: _____		

Bid Item 5: Utility Tractor

One (1) John Deere 5065E Utility Tractor OOS 4WD or Equivalent to replace a similar piece of equipment that was damaged and rendered unrepairable due to Hurricane Harvey.

For full technical specifications for this bid item, see APPENDIX E.

Warranty term for this equipment: Warranty term for this equipment (included without additional cost) should be at least: (2) two calendar years/or 2,000 hours from the date of delivery of equipment or whichever comes first, with the warranty to cover powertrain and components as described below in Paragraphs A & B.

A. WHAT IS WARRANTED – Subject to Paragraph B, all parts of any new Equipment are to be warranted for the time period or number of operating hours as specified. Included In 5E Series Tractor and Compact Utility Tractor Powertrain Warranty- Engine: cylinder block, cylinder head, valve covers, oil pan, emissions control components, timing gear covers, flywheel housing, and all parts contained therein. Powertrain: transmission, transmission case, differential and axle housings, clutch housings, MFWD front axle assembly, and all parts contained therein (does not include external drivelines, dry clutch parts, or steering cylinders). SWEEPS, SHOVELS, PLOWSHARES, AND DISK BLADES: A replacement part will be furnished without charge if breakage occurs and the amount of wear is less than the wear limits established by the Manufacturer.

B. ITEMS COVERED SEPARATELY- (1) Tires, rubber tracks and batteries; When applicable, a separate emissions warranty statement will be provided by Selling Dealer.

Trade-In: Jefferson County will be trading in a used and **flood-damaged** Ford 5000 Tractor towards the purchase of this piece of equipment. Bidder is to include trade-in value for this piece of equipment on the Bid Form provided.

TECHNICAL SPECIFICATIONS CHECKLIST FORM:

In addition to providing all information requested within this bid packet, BIDDER must complete the following Bid Item 5: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Page 51).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical Specifications Checklist Form for EACH ITEM BID. Failure to complete the Technical Specifications Checklist Form may result in a bid being deemed non-responsive.

Bid Item 5: Utility Tractor TECHNICAL SPECIFICATIONS CHECKLIST FORM COMPLETION INSTRUCTIONS

Bidder Instructions:

► Place a check mark ✓ in the space provided next to each feature that **WILL** be included on the piece of equipment that you are offering, for the bid price submitted.

► If a feature is listed that **WILL NOT** be included on the piece of equipment you are offering, please write “N/A” in the space provided next to each feature.

If you are offering an **ALTERNATIVE FEATURE** or need to provide an **EXCEPTION EXPLANATION** for a feature listed, you may provide this information on the **BIDDER ALTERNATIVE FEATURES OFFERED & EXCEPTIONS LIST**, (Page 52).

Bid Item 5: Utility Tractor TECHNICAL SPECIFICATIONS CHECKLIST FORM

BASIC SPECIFICATIONS

✓ Check Here If Feature
Is to be INCLUDED (for Price Bid):

- ☒ 12F/12R PowrReverser Transmission – 540/540E (PR)
- ☒ 540 economy PTO
- ☒ Less Loader Prep Package
- ☒ Open Operator Station
- ☒ Dual Mid Valves with Joystick Control
- ☒ 16.9 – 28 in. 6PR R1 Bias
- ☒ Mechanical Front Wheel Drive (MFWD)
- ☒ 9.5 – 24 in. 6PR R1 Bias
- ☒ Engine: John Deere PowerTech 3029
- ☒ Engine – Aspiration: Turbocharged
- ☒ Engine – Cylinders liners: Wet sleeved
- ☒ Engine – Displacement: 3 cylinders: 2.9 L, 179 cu. in.
- ☒ Engine Performance – Rated Power: At 2100 rpm: 49.9 kW, 67 hp
- ☒ Engine Performance – Rated PTO power (hp SAE): At 2100 rpm: 36.5 kw, 49 PTO hp
- ☒ Final Tier 4-compliant PowerTech engine; provides improved visibility – a smaller, more efficient after-treatment device provides more space under the hood.
- ☒ Diesel oxidation catalyst (DOC/diesel particulate filter (DPF) system.
- ☒ Exhaust filter cleaning switch
- ☒ Hand throttle: located on the right-hand console

Bid Item 5: Utility Tractor
BIDDER ALTERNATIVE FEATURES OFFERRED / EXCEPTIONS LIST

Please Print Clearly or Type.

Bidder Instructions:

For Alternative Features: Below, list the feature(s) for which you marked "N/A" on the Technical Specifications Checklist Form & describe the alternative feature that you are offering instead.

For Feature Exception Explanations: Below, list the feature(s) that you marked "N/A" on the Technical Specifications Checklist Form & provide an explanation for this exception (should you prefer to do so).

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Bidder Information Form

Instructions: Complete the form below. Please provide legible, accurate, and complete contact information. PLEASE PRINT.

Bid Name & Number: (IFB 18-013/JW),
 Re-bid Heavy Equipment for Jefferson County Precinct No. 3
 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

Bidder's Company/Business Name: Shoppa's Farm Supply

Bidder's TAX ID Number: 74-2203325

Contact Person: Thomas Hulan **Title:** Sales Consultant

Phone Number (with area code): 409-842-1128

Alternate Phone Number if available (with area code): 979-253-4889

Fax Number (with area code): 409-842-6216

Email Address: thulan@shoppas.com

Mailing Address (Please provide a physical address for bid bond return, if applicable):

9135 College St.

Address

Beaumont, Texas 77707

City, State, Zip Code

Quote Summary**Prepared For:**

Jefferson County Road And Bridge Pct 3
5700 Jade Ave
Port Arthur, TX 77640
Business: 409-736-2851
pct3sc@co.jefferson.tx.us

Prepared By:

Thomas Hulon
Shoppa's Farm Supply, Inc.
9135 College
Beaumont, TX 77707
Phone: 409-842-1128
thulon@shoppas.com

Quote Id: 17614050
Created On: 13 June 2018
Last Modified On: 13 June 2018
Expiration Date: 13 July 2018

Equipment Summary	Selling Price	Qty	Extended
JOHN DEERE 5065E Utility Tractor	\$ 30,923.63 X	1 =	\$ 30,923.63

Equipment Total	\$ 30,923.63
------------------------	---------------------

Quote Summary

Equipment Total	\$ 30,923.63
SubTotal	\$ 30,923.63
Est. Service Agreement Tax	\$ 0.00
Total	\$ 30,923.63
Down Payment	(0.00)
Rental Applied	(0.00)
Balance Due	\$ 30,923.63

Salesperson : X _____

Accepted By : X _____



JOHN DEERE

Selling Equipment



782

Quote Id: 17614050

Customer: JEFFERSON COUNTY ROAD AND BRIDGE PCT 3

JOHN DEERE 5065E Utility Tractor

Hours:

Stock Number:

Code	Description	Qty
1746LV	5065E Utility Tractor	1

Standard Options - Per Unit

0202	United States	1
0409	English Operator's Manual and Decal Kit	1
1381	12F/12R PowrReverser Transmission - 540/540E (PR)	1
1799	Less Loader Prep Package	1
2000	Open Operator Station	1
3420	Dual Mid Valves with Joystick Control	1
5185	16.9-28 In. 6PR R1 Bias	1
6040	Mechanical Front Wheel Drive (MFWD)	1
6101	9.5-24 In. 6PR R1 Bias	1

Other Charges

Freight	1
---------	---

JOHN DEERE 5065E (2018)**KEY SPECS**

Engine description	John Deere PowerTech 3029
Engine displacement	3 cylinders: 2.9 L 179 cu in.
Rated engine power	At 2100 rpm: 50.4 kW 67 hp
Rated PTO power (hp SAE)	At 2100 rpm: (OOS) 39.6 kW (OOS) 53 PTO hp At 2100 rpm: (Cab) 36.6 kW Cab) 49 PTO hp
Transmission type	Standard: 9F/3R SyncShuttle Optional: 12F/12R PowrReverser
Hydraulic system type	Open Center
Hydraulic pump rated output	66.1 L/min 17.5 gpm
Rear hitch category (SAE designation)	Category 2; convertible to 1

ENGINE SPECIFICATIONS

Description	John Deere PowerTech 3029
Aspiration	Turbocharged
Cylinders liners	Wet sleeved
Displacement	3 cylinders: 2.9 L 179 cu in.

ENGINE PERFORMANCE

Rated power	At 2100 rpm: 50.4 kW 67 hp
Rated PTO power (hp SAE)	At 2100 rpm: (OOS) 39.6 kW (OOS) 53 PTO hp At 2100 rpm: (Cab) 36.6 (Cab) 49 PTO hp

TRANSMISSION

Type	Standard: 9F/3R SyncShuttle Optional: 12F/12R PowrReverser
------	--

Reverser	Optional
Clutch; wet/dry	Dry on 9F/3R SyncShuttle Wet on 12F/12R PowrReverser
Creeper	Option on 9F/3R transmission models

HYDRAULIC SYSTEM

Type	Open Center
Pump rated output	Standard: 66.1 L/min 17.5 gpm
Available flow at a single rear SCV	43.4 L/min 11.5 gpm
Number of rear selective control valves (SCVs)	Standard: 1 Optional: 2
Number of mid selective control valves (SCVs)	Standard: 0 Optional: 2
Joystick SCV control	2WD: FIK MFWD: Standard

REAR HITCH

Hitch draft control load sense type	Mechanical
Remote control valves available	Standard: 1 Optional: 2
Hitch category (SAE designation)	Category 2; convertible to 1
Maximum lift capacity behind lift points	OECD hitch lift cap at 24 behind: 3192 lb 1448 kg
Sensing type	Top link

REAR POWER TAKE-OFF (PTO)

Type	Standard: Independent 540 Optional: Independent 540E (12x12)
Engine rpm (at rated PTO speeds)	540 at 2100 rpm
PTO actuation	Mechanical (lever on 9x3) Electrohydraulic with wet clutch (12x12)

REAR AXLE

Final drive type	Planetary
Differential controls	Mechanical (pedal)
Axle type	Flanged
Brakes, type and control	Hydraulic wet disc

STANDARD TIRES

Front	2WD: 7.5-16 R1 MFWD: 9.5-24 R1
Rear	2WD: 16.9-28 R1 MFWD: 16.9-28 R1
Turning radius with brakes	2WD: 3.1 m 10.2 ft MFWD: 3.94 m 12.9 ft
Turning radius without brakes	2WD: 3.5 ft 11.5 ft, in. MFWD: 4.65 m 15.3 ft

OPERATOR STATION

Rollover protective structure, OOS	-----
Rigid - foldable - telescopic	Foldable, 2-post
Platform - flat/straddle	Straddle
Gearshift location - console/floor	Floor, on the side
Seat	Mechanical
Radio	Optional

DIMENSIONS

Wheelbase	2WD and MFWD: 2050 mm 80.7 in.
Overall length	3639 mm 143.3 in.
Approximate shipping weight, Open;Cab	MFWD: Open: 2685 kg 5919 lb Cab: 3040 kg 6702 lb

CAPACITIES

Fuel tank

Standard: Open: 72.5 L 19 U.S. gal. Cab:
82 L 21 U.S. gal.**MISCELLANEOUS**

Country of manufacture

Pune, India

JOHN DEERE 5065E (2018)**KEY SPECS**

Engine description	John Deere PowerTech 3029
Engine displacement	3 cylinders: 2.9 L 179 cu in.
Rated engine power	At 2100 rpm: 50.4 kW 67 hp
Rated PTO power (hp SAE)	At 2100 rpm: (OOS) 39.6 kW (OOS) 53 PTO hp At 2100 rpm: (Cab) 36.6 kW Cab) 49 PTO hp
Transmission type	Standard: 9F/3R SyncShuttle Optional: 12F/12R PowrReverser
Hydraulic system type	Open Center
Hydraulic pump rated output	66.1 L/min 17.5 gpm
Rear hitch category (SAE designation)	Category 2; convertible to 1

ENGINE SPECIFICATIONS

Description	John Deere PowerTech 3029
Aspiration	Turbocharged
Cylinders liners	Wet sleeved
Displacement	3 cylinders: 2.9 L 179 cu in.

ENGINE PERFORMANCE

Rated power	At 2100 rpm: 50.4 kW 67 hp
Rated PTO power (hp SAE)	At 2100 rpm: (OOS) 39.6 kW (OOS) 53 PTO hp At 2100 rpm: (Cab) 36.6 (Cab) 49 PTO hp

TRANSMISSION

Type	Standard: 9F/3R SyncShuttle Optional: 12F/12R PowrReverser
------	--

Reverser	Optional
Clutch; wet/dry	Dry on 9F/3R SyncShuttle Wet on 12F/12R PowrReverser
Creeper	Option on 9F/3R transmission models

HYDRAULIC SYSTEM

Type	Open Center
Pump rated output	Standard: 66.1 L/min 17.5 gpm
Available flow at a single rear SCV	43.4 L/min 11.5 gpm
Number of rear selective control valves (SCVs)	Standard: 1 Optional: 2
Number of mid selective control valves (SCVs)	Standard: 0 Optional: 2
Joystick SCV control	2WD: FIK MFWD: Standard

REAR HITCH

Hitch draft control load sense type	Mechanical
Remote control valves available	Standard: 1 Optional: 2
Hitch category (SAE designation)	Category 2; convertible to 1
Maximum lift capacity behind lift points	OECD hitch lift cap at 24 behind: 3192 lb 1448 kg
Sensing type	Top link

REAR POWER TAKE-OFF (PTO)

Type	Standard: Independent 540 Optional: Independent 540E (12x12)
Engine rpm (at rated PTO speeds)	540 at 2100 rpm
PTO actuation	Mechanical (lever on 9x3) Electrohydraulic with wet clutch (12x12)

REAR AXLE

Final drive type	Planetary
Differential controls	Mechanical (pedal)
Axle type	Flanged
Brakes, type and control	Hydraulic wet disc

STANDARD TIRES

Front	2WD: 7.5-16 R1 MFWD: 9.5-24 R1
Rear	2WD: 16.9-28 R1 MFWD: 16.9-28 R1
Turning radius with brakes	2WD: 3.1 m 10.2 ft MFWD: 3.94 m 12.9 ft
Turning radius without brakes	2WD: 3.5 ft 11.5 ft, in. MFWD: 4.65 m 15.3 ft

OPERATOR STATION

Rollover protective structure, OOS	--- --- ---
Rigid - foldable - telescopic	Foldable, 2-post
Platform - flat/straddle	Straddle
Gearshift location - console/floor	Floor, on the side
Seat	Mechanical
Radio	Optional

DIMENSIONS

Wheelbase	2WD and MFWD: 2050 mm 80.7 in.
Overall length	3639 mm 143.3 in.
Approximate shipping weight, Open;Cab	MFWD: Open: 2685 kg 5919 lb Cab: 3040 kg 6702 lb

CAPACITIES

Fuel tank

Standard: Open: 72.5 L 19 U.S. gal. Cab:
82 L 21 U.S. gal.**MISCELLANEOUS**

Country of manufacture

Pune, India

OFFER AND ACCEPTANCE FORM OFFER TO CONTRACT

Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey)


To Jefferson County:

We hereby offer and agree to furnish the materials or service in compliance with all terms, conditions, specifications, and amendments in the Invitation for Bid and any written exceptions in the offer. We understand that the items in this Invitation for Bid, including, but not limited to, all required certificates are fully incorporated herein as a material and necessary part of the contract.

The undersigned hereby states, under penalty of perjury, that all information provided is true, accurate, and complete, and states that he/she has the authority to submit this bid, which will result in a binding contract if accepted by Jefferson County.

We acknowledge receipt of the following amendment(s): _____.

I certify, under penalty of perjury, that I have the legal authorization to bind the firm hereunder:

<p><u>Shoppa's Farm Supply</u></p> <p>Company Name</p>		<p>For clarification of this offer, contact:</p>	
<p><u>9135 College St</u></p> <p>Address</p>		<p><u>Thomas Hulan</u></p> <p>Name</p>	
<p><u>Beaumont Tx</u></p> <p>City</p>	<p><u>77707</u></p> <p>State Zip</p>	<p><u>409-842-1128</u></p> <p>Phone</p>	<p><u>409-842-6216</u></p> <p>Fax</p>
<p><u></u></p> <p>Signature of Person Authorized to Sign</p>		<p><u>thulan@shoppas.com</u></p> <p>E-mail</p>	
<p><u>Thomas A. Hulan</u></p> <p>Printed Name</p>			
<p><u>Sales Consultant</u></p> <p>Title</p>			

Bidder Shall Return Completed Form with Offer.

Acceptance of Offer

HEAVY EQUIPMENT FOR JEFFERSON COUNTY PRECINCT NO. 3 (TO REPLACE UNREPAIRABLE EQUIPMENT DAMAGED BY HURRICANE HARVEY)

The Contractor is now bound to sell the materials or services listed by the attached contract and based upon the Invitation for Bid, including all terms, conditions, specifications, amendments, etc., and the Contractor's Offer as accepted by Jefferson County.

This contract shall henceforth be referred to as Contract No. 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey). The Contractor has not been authorized to commence any billable work or to provide any material or service under this contract until Contractor receives a purchase order and/or a notice to proceed from the Jefferson County Purchasing Agent.

Countersigned:

Jeff R. Branick
County Judge

Date

Attest:

Carolyn L. Guidry
County Clerk

Bidder Shall Return Completed Form with Offer.

Bid Form (Continued)

Bid Item 5: IMPORTANT BIDDER INSTRUCTIONS:

Full technical specifications for this bid item can be found in **APPENDIX E**.

References to a Manufacturer's Product by Brand Name or Number are done solely to establish the minimum quality and performance characteristics required.

Bidders may submit bids on alternates, but MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms) for any alternate at the time of the bid. Further, the Bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a Bidder's alternate rests solely with Jefferson County.

Bidders offering the exact make/model as specified, MUST attach Two (2) Copies of the Manufacturer Specifications (to include full warranty terms).

In addition to completing this BID FORM and providing all information requested within this bid packet, Bidder must complete the Bid Item 5: TECHNICAL SPECIFICATIONS CHECKLIST FORM, (Page 51).

IMPORTANT NOTE: Bidder MUST COMPLETE a Technical specifications checklist form for EACH ITEM BID. Failure to complete the Technical Specifications may result in a bid being deemed non-responsive.

Item No.	Item Description	Bid Price
5	John Deere 5065E Utility Tractor OOS 4WD or Equivalent	\$ <u>30,923</u> . <u>63</u>
		Trade-In Value
Trade-In Value for used & flood-damaged: Ford 5000 Tractor		\$ <u>1000</u> . <u>00</u>
Total Bid Price (Minus Trade-In Value) \$ <u>29,923</u> . <u>63</u>		
Projected Delivery Lead Time from Date of Purchase:		<u>2</u> weeks
Equivalent Item Description (Make & Model) for Item No. 5: <hr/>		

Bid Form – Acknowledgement of Addenda

Acknowledgment of Addenda (if any):

Addendum 1 _____ Date Received _____

Addendum 2 _____ Date Received _____

Addendum 3 _____ Date Received _____

Bidder Shall Return Completed Form with Offer.

Vendor References

Please list at least three (3) companies or governmental agencies (preferably a municipality) where the same or similar products and/or services as contained in this specification package were recently provided.

THIS FORM MUST BE RETURNED WITH YOUR BID.

REFERENCE ONE

Government/Company Name: LNVA
 Address: 9781 Hwy 124 Beaumont
 Contact Person and Title: Greg Derouen Superintendant
 Phone: 409-926-4956 Fax: _____
 Email Address: greg.derouen.net Contract Period: _____
 Scope of Work: tractor purchases

REFERENCE TWO

Government/Company Name: Orange County Drainage Dist
 Address: 8081 Old Hwy 90, Orange 77630
 Contact Person and Title: Dale Hoover
 Phone: 409-745-3225 Fax: 409-745-2066
 Email Address: dhoover@orangecountydrainage.com Contract Period: _____
 Scope of Work: tractor purchases

REFERENCE THREE

Government/Company Name: Jefferson County DDG
 Address: 6550 Walden Rd
 Contact Person and Title: Darin Auer Foreman
 Phone: 409-651-9451 Fax: _____
 Email Address: darin.auer@gmail.com Contract Period: _____
 Scope of Work: Tractor Purchases

Bidder Shall Return Completed Form with Offer.

Signature Page

As permitted under Article 4413 (32c) V.A.C.S., other governmental entities may wish to participate under the same terms and conditions contained in this contract (i.e., piggyback). In the event any other entity participates, all purchase orders will be issued directly from and shipped directly to the entity requiring supplies/services. Jefferson County shall not be held responsible for any orders placed, deliveries made or payment for supplies/services ordered by another entity. Each entity reserves the right to determine their participation in this contract.

Would bidder be willing to allow other governmental entities to piggyback off this contract, if awarded, under the same terms and conditions?..... **Yes** ☐ **No** ☐

This bid shall remain in effect for ninety (90) days from bid opening and shall be exclusive of federal excise and state and local sales tax (exempt).

The undersigned agrees, if this bid is accepted, to furnish any and all items upon which prices are offered, at the price and upon the terms and conditions contained in the Invitation for Bid, Conditions of Bidding, Terms of Contract, and Specifications and all other items made a part of the accepted contract.

The undersigned affirms that they are duly authorized to execute the contract, that this company, corporation, firm, partnership or individual has not prepared this bid in collusion with any other bidder, and that the contents of this bid as to prices, terms or conditions of said bid have not been communicated by the undersigned nor by any employee or agent to any other bidder or to any other person(s) engaged in this type of business prior to the official opening of this bid. And further, that neither the bidder nor their employees nor agents have been for the past six (6) months directly nor indirectly concerned in any pool or agreement or combination to control the price of goods or services on, nor to influence any person to bid or not to bid thereon.

Shoppa's Farm Supply
Bidder (Entity Name)

Thomas A. Hulan
Signature

9135 College St
Street & Mailing Address

Thomas A. Hulan
Print Name

Beaumont, Tx, 77707
City, State & Zip

6-14-18
Date Signed

409-842-1128
Telephone Number

409-842-6216
Fax Number

thulan@shoppas.com
E-mail Address

Bidder Shall Return Completed Form with Offer.

Conflict of Interest Questionnaire

CONFLICT OF INTEREST QUESTIONNAIRE For vendor doing business with local governmental entity		FORM CIQ
<p>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</p> <p>This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).</p> <p>By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.</p> <p>A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.</p>		OFFICE USE ONLY <div style="border: 1px solid black; height: 100px; width: 100%;"></div>
1	Name of vendor who has a business relationship with local governmental entity.	
2	<input type="checkbox"/> Check this box if you are filing an update to a previously filed questionnaire. <small>(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)</small>	
3	Name of local government officer about whom the information in this section is being disclosed. <div style="text-align: center; margin-bottom: 10px;"> <hr style="width: 50%; border: 0.5px solid black;"/> Name of Officer </div> <p>This section (item 3 including subparts A, B, C, & D) must be completed for each officer with whom the vendor has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach additional pages to this Form CIQ as necessary.</p> <p>A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the vendor?</p> <div style="margin-left: 40px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> <p>B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer named in this section AND the taxable income is not received from the local governmental entity?</p> <div style="margin-left: 40px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> <p>C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more?</p> <div style="margin-left: 40px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> <p>D. Describe each employment or business and family relationship with the local government officer named in this section.</p>	
4	<div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <hr style="width: 80%; border: 0.5px solid black;"/> Signature of vendor doing business with the governmental entity </div> <div style="width: 45%;"> <hr style="width: 80%; border: 0.5px solid black;"/> Date </div> </div>	

Adopted 8/7/2015

Bidder Shall Return Completed Form with Offer.

Local Government Officer Conflicts Disclosure Statement - OFFICE USE ONLY

LOCAL GOVERNMENT OFFICER CONFLICTS DISCLOSURE STATEMENT		FORM CIS
<p>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</p> <p>This is the notice to the appropriate local governmental entity that the following local government officer has become aware of facts that require the officer to file this statement in accordance with Chapter 176, Local Government Code.</p>		OFFICE USE ONLY
1	Name of Local Government Officer	Date Received
2	Office Held	
3	Name of vendor described by Sections 176.001(7) and 176.003(a), Local Government Code	
4	Description of the nature and extent of employment or other business relationship with vendor named in item 3	
5	<p>List gifts accepted by the local government officer and any family member, if aggregate value of the gifts accepted from vendor named in item 3 exceeds \$100 during the 12-month period described by Section 176.003(a)(2)(B).</p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p style="text-align: center;">(attach additional forms as necessary)</p>	
6	<p>AFFIDAVIT</p> <p>I swear under penalty of perjury that the above statement is true and correct. I acknowledge that the disclosure applies to each family member (as defined by Section 176.001(2), Local Government Code) of this local government officer. I also acknowledge that this statement covers the 12-month period described by Section 176.003(a)(2)(B), Local Government Code.</p> <p style="text-align: right; margin-right: 100px;">_____ Signature of Local Government Officer</p> <p>AFFIX NOTARY STAMP / SEAL ABOVE.</p> <p>Sworn to and subscribed before me, by the said _____, this the _____ day of _____, 20_____, to certify which, witness my hand and seal of office.</p> <p>_____ Signature of officer administering oath Printed name of officer administering oath Title of officer administering oath</p>	

Adopted 8/7/2015

Good Faith Effort (GFE) Determination Checklist

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).
☐ Yes ☐ No

Instructions: In order to determine if a "Good Faith Effort" was made in soliciting HUBs for subcontracting opportunities, the following checklist and supporting documentation shall be completed by the Prime Contractor/Consultant, and returned with the Prime Contractor/ Consultant's bid. This list contains the **minimum** efforts that should be put forth by the Prime Contractor/Consultant when attempting to achieve or exceed the goals of HUB Subcontractor participation. The Prime Contractor/Consultant may extend his/her efforts in soliciting HUB Subcontractor participation beyond what is listed below.

Did the Prime Contractor/Consultant . . .

- | | | |
|------------------------------|--|---|
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 1. To the extent practical, and consistent with standard and prudent industry standards, divide the contract work into the smallest feasible portions, to allow for maximum HUB Subcontractor participation? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 2. Notify in writing a reasonable number of HUBs, allowing sufficient time for effective participation of the planned work to be subcontracted? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 3. Provide HUBs that were genuinely interested in bidding on a subcontractor, adequate information regarding the project (i.e., plans, specifications, scope of work, bonding and insurance requirements, and a point of contact within the Prime Contractor/Consultant's organization)? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 4. Negotiate in good faith with interested HUBs, and not reject bids from HUBs that qualify as lowest and responsive bidders? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 5. Document reasons HUBs were rejected? Was a written rejection notice, including the reason for rejection, provided to the rejected HUBs? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 6. If Prime Contractor/Consultant has zero (0) HUB participation, please explain the reasons why. |

If "No" was selected, please explain and include any pertinent documentation with your bid.

If necessary, please use a separate sheet to answer the above questions.

Thomas Hulan

Printed Name of Authorized Representative

Thomas Hulan

Signature

Sales Consultant

Title

6-14-18

Date

Bidder Shall Return Completed Form with Offer.

No subcontractors to be utilized.

Notice of Intent (NOI) to Subcontract with Historically Underutilized Business (HUB)

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).
☐ Yes ☒ No

Instructions for Prime Contractor/Consultant: Bidder shall submit this form with the bid; however, the information below may be submitted after contract award, but prior to beginning performance on the contract. Please submit one form for each HUB Subcontractor/Subconsultant with proper signatures, per the terms and conditions of your contract.

Contractor Name: _____ HUB: p Yes p No

Address: _____

Street	City	State	Zip

Phone (with area code): _____ Fax (with area code): _____

Project Title & No.: _____

Prime Contract Amount: \$

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity): _____

Certifying Agency: ☐ Tx. Bldg & Procurement Comm. ☐ Jefferson County ☐ Tx Unified Certification Prog.

Address: _____

Street	City	State	Zip
--------	------	-------	-----

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

Thomas Hulen
Printed Name of Contractor Representative

Signature of Representative

6-14-18
Date

Printed Name of HUB

Signature of Representative

Date _____

NOTE: NOTHING ON THIS NOTICE OF INTENT FORM IS INTENDED TO CONFER ANY RIGHTS, EXPRESSED OR IMPLIED, TO ANY THIRD PARTIES.

Pre-Approval for Subcontractor Substitutions must be obtained from the Jefferson County Purchasing Agent's Representative. The "HUB Subcontractor/Subconsultant Change Form" must be completed and faxed to 409-835-8456.

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 3 OF 4

PART II: STATEMENT OF NON-COMPLIANCE FOR NOT MEETING HUB SUBCONTRACTING GOALS

Please complete Good Faith Effort (GFE) Checklist and attach any supporting documentation.

Our firm was unable to meet the HUB goals for this project for the following reasons:

- ☐ All subcontractors to be utilized are "Non-HUBs." (Complete Part III)
☐ HUBs were solicited but did not respond.
☐ HUBs solicited were not competitive.
☐ HUBs were unavailable for the following trade(s):
☒ Other: No subcontractors

Was the Jefferson County HUB Office contacted for assistance in locating HUBs? ☐ Yes ☒ No

PART III: DISCLOSURE OF OTHER "NON-HUB" SUBCONTRACTS

The bidder shall use this area to provide a listing of all "Non-HUB" Subcontractors, including suppliers, that will perform under this project. A list of those "Non-HUB" Subcontractors the bidder selects, after bid submission, shall be provided to the Purchasing Office not later than five (5) calendar days after being notified that bidder is the apparent low bidder. A list of those "Non-HUB" Subcontractors that are selected after contract award must be provided **immediately** after their selection.

Subcontractor Name: _____

Address: _____

Street	City	State	Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed:

Subcontractor Name: _____

Address: _____

Street	City	State	Zip
--------	------	-------	-----

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed:

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 4 OF 4

Subcontractor Name: _____

Address: _____

Street	City	State	Zip
--------	------	-------	-----

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

Subcontractor Name: _____

Address: _____

Street	City	State	Zip
--------	------	-------	-----

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

I hereby certify that I have read the *HUB Program Instructions and Information*, truthfully completed all applicable parts of this form, and **attached any necessary support documentation as required**. I fully understand that intentionally falsifying information on this document may result in my not receiving a contract award or termination of any resulting contract.

Name (print or type): Thomas Hulon

Title: Shawn A. Allen Sales Consultant

Signature: Thomas A. H. Ho

Date: 6-14-18

E-mail address: thulon@shoppas.com

Contact person that will be in charge of invoicing for this project:

Name (print or type): Thomas Hulen

Title: Sales Consultant

Date: 12-14-18

E-mail address: thulan@shoppas.com

Bidder Shall Return Completed Form with Offer.

Residence Certification/Tax Form

Pursuant to Texas Government Code §2252.001 *et seq.*, as amended, Jefferson County requests Resident Certification. §2252.001 *et seq.* of the Government Code provides some restrictions on the awarding of governmental contracts; pertinent provisions of §2252.001 are stated below:

- (3) "Nonresident bidder" refers to a person who is not a resident.
- (4) "Resident bidder" refers to a person whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.
- ☐ I certify that Shoppa's Farm Supply [company name] is a Resident Bidder of Texas as defined in Government Code §2252.001.
- ☐ I certify that _____ [company name] is a Nonresident Bidder as defined in Government Code §2252.001 and our principal place of business is _____ (city and state).

Taxpayer Identification Number (T.I.N.):	74-2203325
Company Name submitting bid/proposal:	Shoppa's Farm Supply
Mailing address:	9135 College St. Beaumont
If you are an individual, list the names and addresses of any partnership of which you are a general partner:	

Property: List all taxable property owned by you or above partnerships in Jefferson County.

Jefferson County Tax Acct. No.*	Property address or location**

* This is the property amount identification number assigned by the Jefferson County Appraisal District.

** For real property, specify the property address or legal description. For business property, specify the address where the property is located. For example, office equipment will normally be at your office, but inventory may be stored as a warehouse or other location.

Bidder Shall Return Completed Form with Offer.

Bid Affidavit

The undersigned certifies that the bid prices contained in this bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all commodities upon which prices are extended at the price offered, and upon the conditions contained in the specifications and the Notice to Bidders.

STATE OF TEXAS COUNTY OF Jefferson

BEFORE ME, the undersigned authority, a Notary Public in and for the State of _____,

on this day personally appeared Thomas Hulon, who
(name)

after being by me duly sworn, did depose and say:

"I, Thomas Hulon am a duly authorized officer of/agent
(name)
for Shoppa's Farm Supply and have been duly authorized to execute the
(name of firm)
foregoing on behalf of the said Shoppa's Farm Supply.
(name of firm)

I hereby certify that the foregoing bid has not been prepared in collusion with any other bidder or other person or persons engaged in the same line of business prior to the official opening of this bid. Further, I certify that the bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities bid on, or to influence any person or persons to bid or not to bid thereon."

Name and address of bidder: Shoppa's Farm Supply
9135 College St Beaumont, Tx 77707

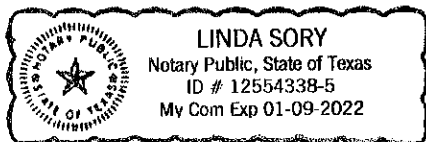
Fax: 409-842-6216 Telephone# 409-842-1128

by: Thomas Hulon Title: Sales Consultant
(print name)

Signature: [Signature]

SUBSCRIBED AND SWORN to before me by the above-named
Thomas Hulon on

this the 15 day of June, 2018.



[Signature]
Notary Public in and for
the State of TEXAS

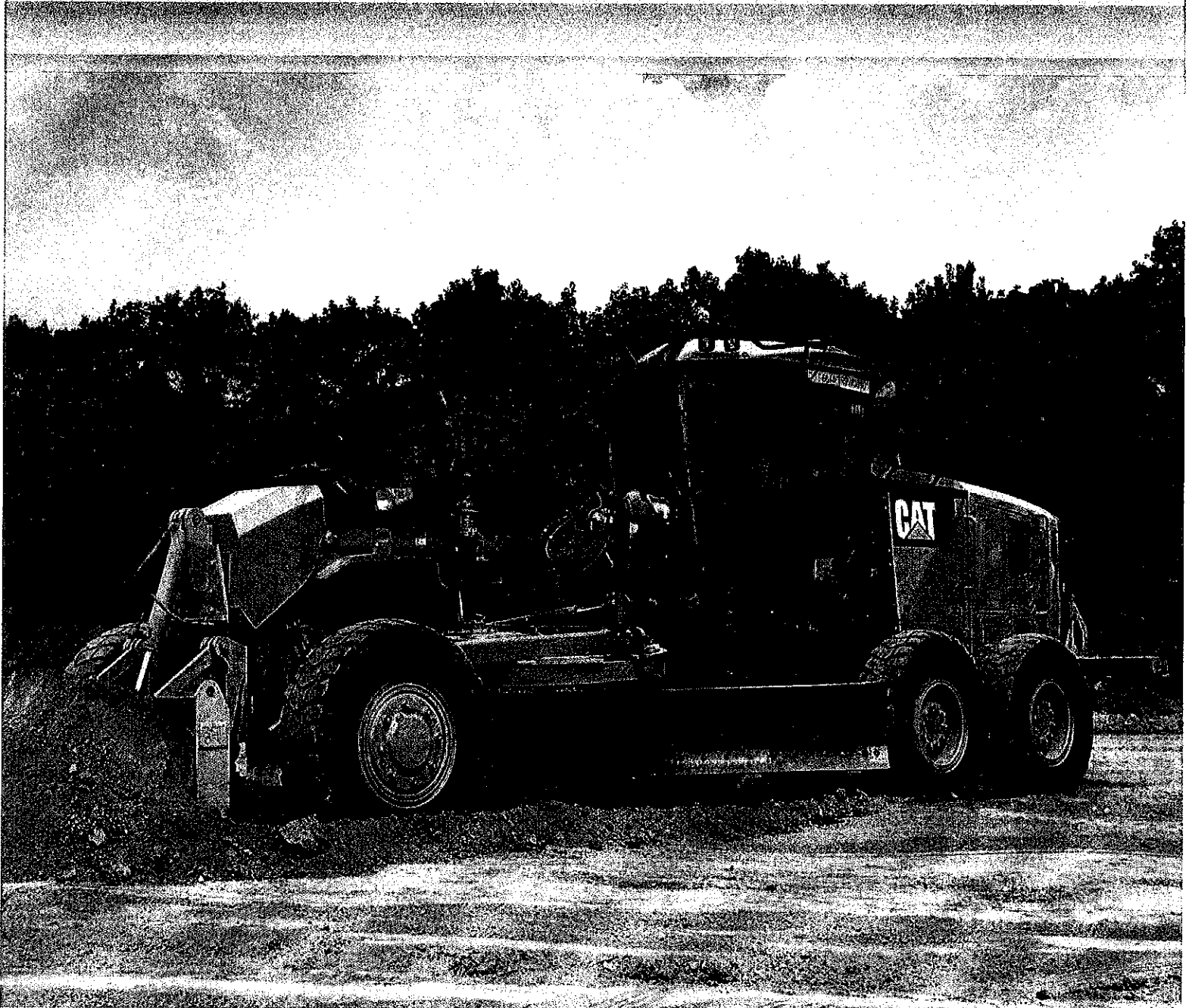
Bidder Shall Return Completed Form with Offer.

APPENDIX A

APPENDIX A

120M2/120M2-AWD

Motor Graders



Engine

Engine Model	Cat® C7.1 ACERT™	
Base Power (1st gear) – Net	108 kW	145 hp
Base Power (1st gear) – Net (metric)		147 hp
VHP Plus Range – Net	108-141 kW	145-189 hp
VHP Plus Range – Net (metric)		147-192 hp
AWD Range – Net	114-156 kW	153-209 hp
AWD Range – Net (metric)		155-212 hp

Emissions

U.S. EPA Tier 4 Interim/EU Stage IIIB equivalent

Moldboard

Blade Width	3.7 m	12 ft
-------------	-------	-------

Weights

Operating Weight, Typically Equipped	18 095 kg	39,892 lb
--------------------------------------	-----------	-----------

~~Weights – AWD~~

Operating Weight, Typically Equipped	18 987 kg	41,859 lb
---	----------------------	----------------------

APPENDIX C

120M2A2 Motor Grader Features

Operator Station

A revolutionary cab design provides unmatched comfort, visibility and ease of use, making the operator more confident and productive.

Engine and Power Train

Combining power management with advanced technology delivers maximum power and efficiency while reducing the environmental impact. M Series 2 Motor Graders perform at U.S. EPA Tier 4 Interim / EU Stage III B equivalent emission levels using U.S. EPA and EU Flex provisions.

Structures, Drawbar, Chisel and Moldboard

Durable structures with fast and simple DCM adjustments deliver precise material control while lowering operating costs.

Hydraulics

The M Series 2 Motor Grader electro-hydraulics enable advanced machine controls with precise and predictable movements.

Integrated Technologies

Cat® Connect makes smart use of technology and services to help you monitor, manage and enhance job site operations.

120M2A2 Motor Grader

120M2A2 Motor Grader is a new addition to the M Series 2 line of motor graders. It features a new cab design, a new engine and power train, and a new structure. The 120M2A2 Motor Grader is designed to provide maximum power and efficiency while reducing the environmental impact. It features a new engine and power train, and a new structure. The 120M2A2 Motor Grader is designed to provide maximum power and efficiency while reducing the environmental impact.

Contents

Operator Station	4
Steering and Implement Controls	5
Emissions Technology	6
Engine	6
Power Train	7
Structures and DCM	8
"Smart" Machine Systems	9
Hydraulics	10
Integrated Technologies	10
Hydraulics	11
Work Tools and Attachments	12
Safety	13
Customer Support	15
Sustainability	14
Specifications	16
Standard Equipment	22
Optional Equipment	23





The M Series 2 continues the legacy of quality already established by Cat Motor Graders. The extensive validation program, combined with improvements to the manufacturing process, allows Caterpillar to further enhance our quality.

The end result of this development process is a motor grader line with breakthrough technologies, tested in the field and built around real applications and real customer needs. M Series 2 Motor Graders meet Tier 4 Interim/Stage IIIB equivalent emission standards.



Operator Station

Comfort, productivity, advanced technology

Visibility

Angled cab doors, a tapered engine enclosure and patented sloped rear window assure excellent visibility to the work area.

Maximum Control, Maximum Comfort

Caterpillar has built the most comfortable cab in the industry, replacing the control levers and steering wheel with two joystick controls, and lengthening the cab for more leg room. Machine design features, like angled doors, provide excellent visibility.

Operator Comfort

The Cat Comfort Series suspension seat and arm/wrist rests are fully adjustable for improved comfort and productivity. Extra leg room, easy-to-reach long-life rocker switches and revolutionary joystick controls make this the most comfortable cab in the industry.

Standard HVAC System

The high capacity system dehumidifies and pressurizes the cab, circulates fresh air, seals out dust and keeps windows clear.

Low Interior Sound and Vibration Levels

Multiple isolation mounts along with relocated hydraulic pump and valves significantly improve operator comfort and productivity.

In-Dash Instrument Cluster

Easy-to-read, high-visibility gauges and warning lamps keep the operator aware of critical system information.

APPENDIX A

Steering and Implement Controls

Unprecedented precision and ease of operation

Ease of Operation

Two electro-hydraulic joysticks require up to 78% less hand and wrist movement than conventional lever controls for greatly enhanced operator comfort and efficiency. The intuitive control pattern allows both new and experienced operators to quickly become productive.

Electronically adjustable control pods help position joysticks for optimal comfort, visibility and proper operation.

Joystick Functions

- The left joystick primarily controls the machine direction and speed including steering, articulation, return-to-center, wheel lean, gear selection, left moldboard lift cylinder and float.
- The right joystick primarily controls drawbar, circle and moldboard functions including right moldboard lift cylinder and float, moldboard slide and tip, circle turn, drawbar center shift, electronic throttle control and manual differential lock/unlock.

Intuitive Steering Control

Joystick lean angle mirrors the steer tires' turning angle. A brake tensioning system holds the joystick in position until the operator moves it. The steering control automatically reduces steering sensitivity at higher ground speeds for comfortable and predictable control.

Electronic Throttle Control

Provides easy, precise and consistent throttle operation. An automatic/manual mode switch offers flexibility for different applications and operator preferences.

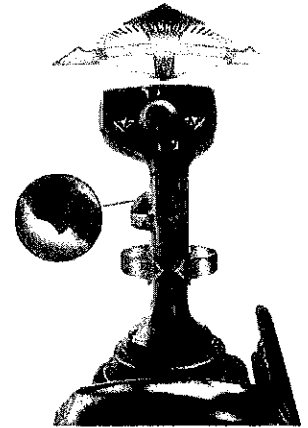
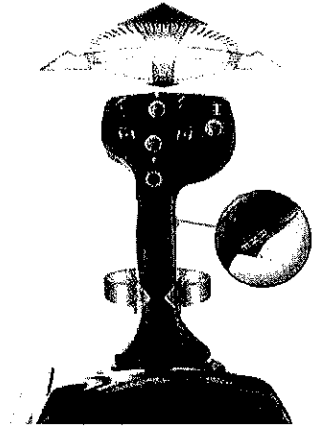
Articulation Return-to-Center

Automatically returns the machine to a straight frame position from any angle with the touch of a button.

Auxiliary Pod and Ripper Control (Optional)

Ergonomically positioned to allow simple, comfortable operation for the multiple hydraulic options.

- Four fingertip controls and a mini joystick maximize control of up to six hydraulic circuits. Individual functions can be programmed with Electronic Technician (Cat ET). The auxiliary hydraulic pod is provided when the machine is configured with three or more auxiliary functions.
- Infinitely variable roller switches provide precise control of the rear ripper and/or front lift group (when equipped).



Optional Advanced Control Joysticks

Cat Advanced Control Joysticks allow the operator to easily control automated grading solutions, Cat GRADE with Cross Slope, AccuGrade™, and Snow Wing. Both new and experienced operators can also configure auxiliary hydraulic functions (such as ripper, front plow blade, etc.) without taking their hands off the controls decreasing fatigue, increasing productivity.

APPENDIX A

Engine Power and reliability

A C7.1 ACERT engine and Cat Clean Emissions Module deliver the performance and efficiency that customers demand, while meeting Tier 4 Interim/Stage IIIB equivalent emission standards.

The C7.1 ACERT has superior torque and lugging capability to pull through sudden, short-term loads and maintain consistent, desirable grading speeds to get work done faster without downshifting. The High Pressure Common Rail Fuel System improves precision and control with full electronic injection that boosts performance and reduces soot.

Hydraulic Demand Fan

The hydraulic demand fan automatically adjusts cooling fan speed according to engine cooling requirements. This reduces demand on the engine, putting more horsepower to the ground and improves fuel efficiency. Swing-out design allows easy access to cooling cores and reduces clean out time.

Emissions Technology

Reliable, integrated solutions

Cat NO_x Reduction System

The Cat NO_x Reduction System captures and cools a small quantity of exhaust gas, then routes it into the combustion chamber where it dilves down combustion temperatures and reduces NO_x emissions.

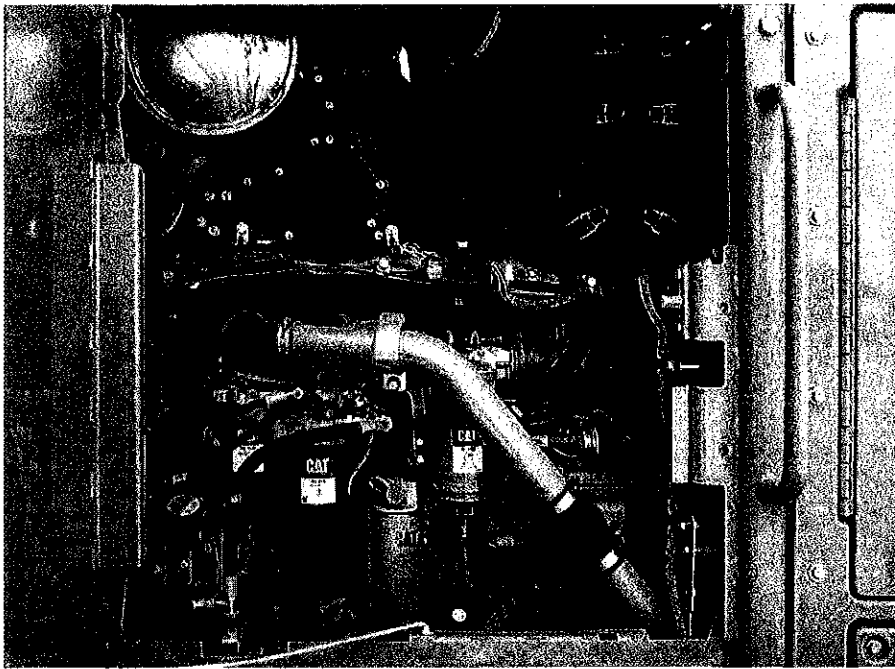
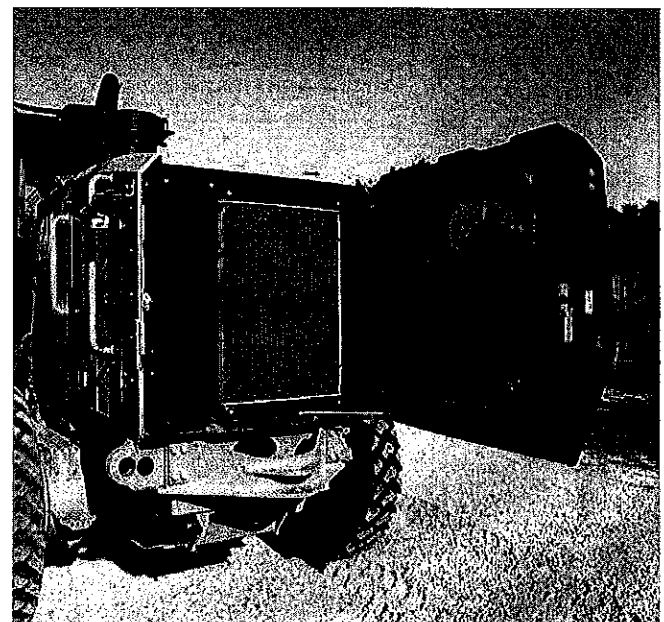
Aftertreatment Technologies

To meet Tier 4 Interim/Stage IIIB equivalent emission standards and beyond, Cat aftertreatment components have been designed to match application needs. System components include a Diesel Oxidation Catalyst (DOC), which uses a chemical process to convert regulated emissions in the exhaust system, and a Diesel Particulate Filter (DPF) that traps particulate matter that is carried into the exhaust stream.

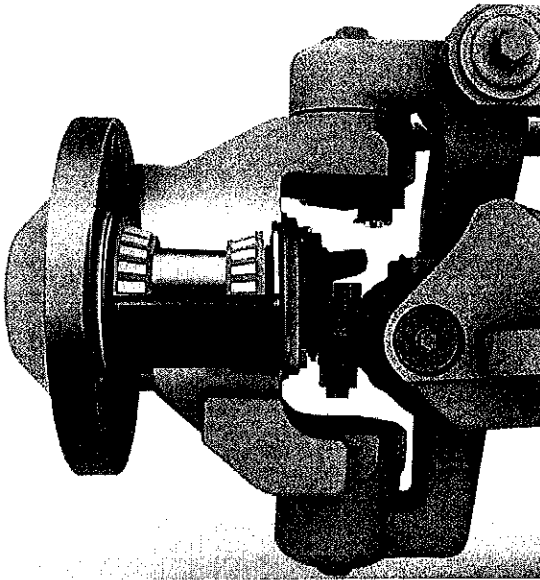
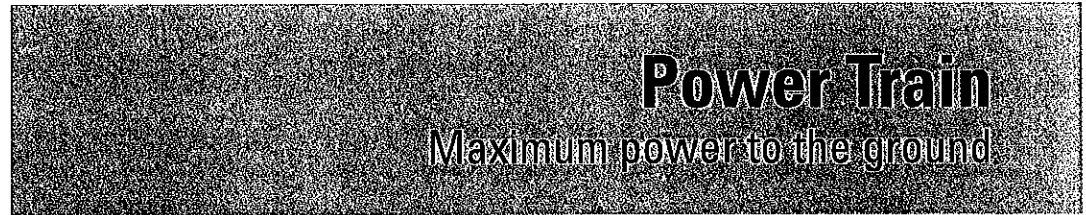
The DOC, DPF and Cat Regeneration System are contained in a Caterpillar designed Clean Emission Module (CEM) that protects the components, minimizes the aftertreatment footprint and simplifies maintenance.

Cat Regeneration System

The Cat Regeneration System is designed to work transparently without any interaction needed from the operator. Under most operating conditions, engine exhaust is hot enough to oxidize soot through passive regeneration. If supplemental regeneration is needed, the Cat Regeneration System elevates exhaust gas temperatures to remove soot in the Diesel Particulate Filter (DPF). This is a process that happens automatically, but the operator can initiate the cycle when convenient or interrupt regeneration as needed. A soot level monitor can be viewed on the Cat Messenger screen and regeneration indicator lights are integrated into the front console.



APPENDIX A



Automatic Differential Lock

Unlocks the differential during a turn, re-locks when straight, for easier operation and lower power train protection.

Front Axle

The Cat sealed spindle keeps bearings free from contaminants and lubricated in a light weight oil. The Cat "Live Spindle" design places the larger tapered roller bearing outboard where the load is greater, extending bearing life.

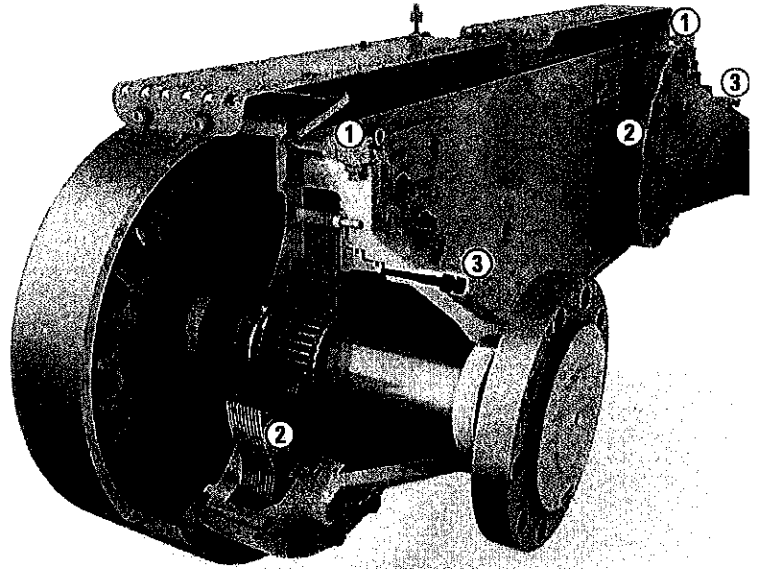
Inching Pedal

Allows precise control of machine movements and excellent modulation, critical in close-quarter work or finish grading.

Smooth Shifting Transmission

Several key innovations ensure smooth, powerful shifts.

- Full Electronic Clutch Pressure Control (ECPC) system optimizes inching modulation for smooth shifts and directional changes, reducing stress on gears.
- Controlled Throttle Shifting helps to smooth directional and gear changes without using the inching pedal.
- Load Compensation ensures consistent shift quality regardless of blade or machine load.



- This standard feature automatically shifts the transmission at optimal points so the operator can focus on the work to help improve safety, productivity and ease of operation.
- Power Shift Countershaft Transmission and the Cat C7.1 engine maximize power to the ground. Eight forward/six reverse gears optimize productivity.
- Engine Over-Speed Protection prevents downshifting until an acceptable safe travel speed has been established.

Bolt-On Modular Rear Axle

Improves serviceability and contamination control with easy access to differential components.

Hydraulic Brakes

Hydraulically actuated, oil bathed, multi-disc service brakes at each tandem wheel (1) offer the industry's largest total brake surface area (2) for dependable stopping power and long brake life. The brake wear indicator/compensator system (3) maintains brake performance and indicates brake wear without disassembly, for fast servicing and longer brake service life. The spring-applied, hydraulically released multi-disc parking brake, sealed and oil-cooled for long life and low service, is integrated into the Operator Presence System to prevent unintended machine movement.

APPENDIX A

Structures and DCM

Service ease and precise blade control

Heavy Duty Durability

The frame, drawbar and one-piece forged steel circle are designed for durability in heavy duty applications. The strong A-frame drawbar uses a durable tubular design. The front 240° of circle teeth are hardened to reduce wear and ensure component reliability.

Articulation Hitch

A large tapered roller bearing at the lower pivot carries loads evenly and smoothly. Sealed to prevent contamination, a locking pin prevents articulation for safety during service or transport.

Aggressive Blade Angle

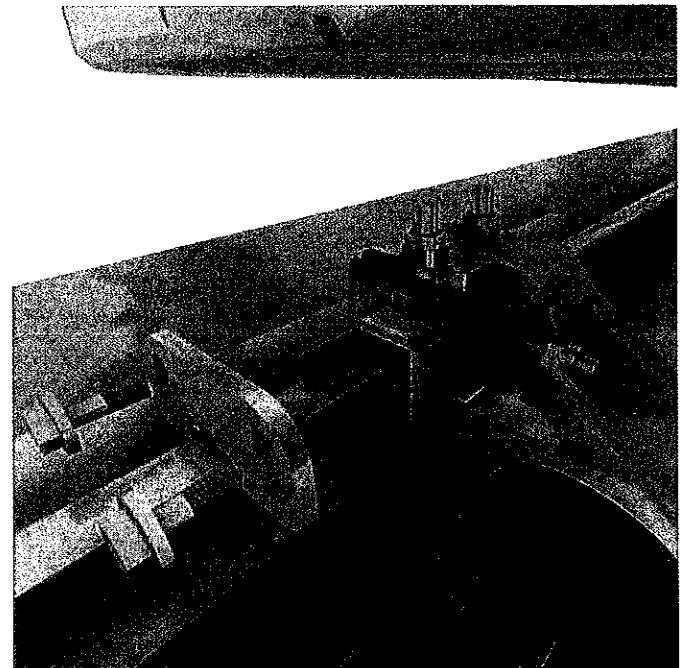
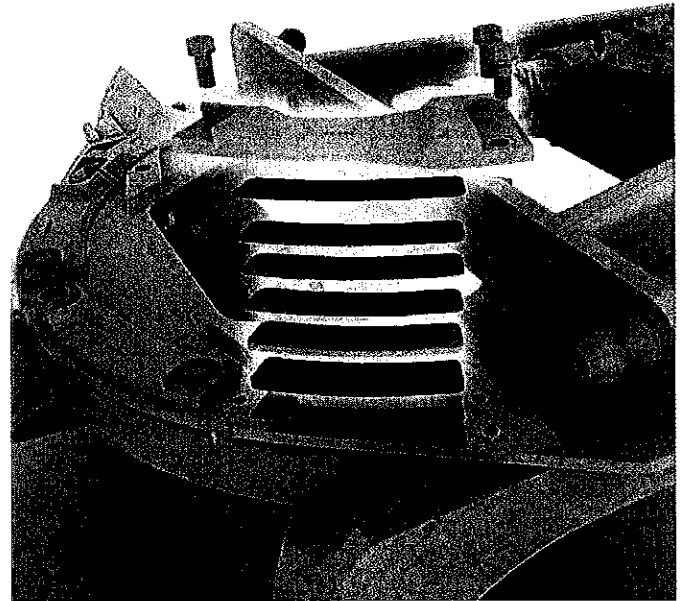
Allows material to roll more freely along the blade, particularly dry materials or cohesive soils. Better material control gets the job done faster, requires less power and saves fuel.

Fast, Easy Adjustment Means Tight Components

Shims and patented top-adjust wear strips are easy to add or replace, dramatically reducing downtime and operating costs. Durable nylon composite wear inserts maximize circle torque and component life. Sacrificial brass wear strips between the blade mounting group and moldboard can be replaced easily. Shimless Moldboard Retention System uses vertical and horizontal adjusting screws to keep moldboard wear strips aligned for reduced blade chatter, precise blade control and dramatic reductions in service time.

Moldboard

Heat-treated rails, hardened cutting edges and end bits, and heavy duty bolts assure reliability and long service life. The link bar allows extreme moldboard positioning for bank sloping, ditch cutting and cleaning.

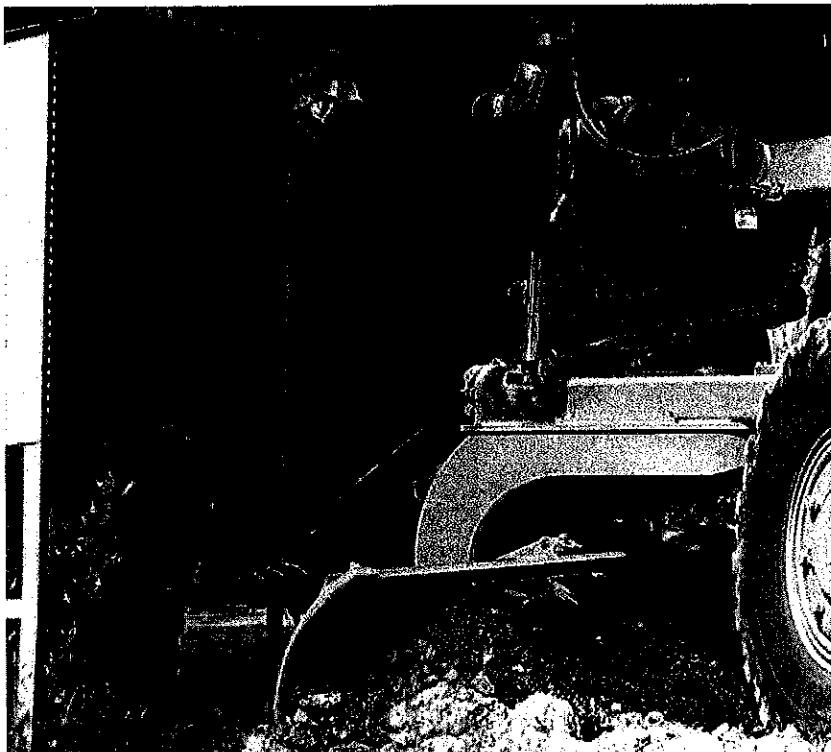


APPENDIX A

"Smart" Machine Systems Advanced diagnostics

Sharing key data among systems helps optimize machine performance and aids serviceability.

- Cat Messenger, combined with full systems integration, enhances diagnostic capability. Machine system errors are displayed in both text and fault codes for quick analysis of critical data.
- Electronic Technician (Cat ET) lets service technicians access stored diagnostic data and configure machine parameters through the Cat Data Link.
- Low Battery Elevated Idle raises idle speed when low system voltage is detected, ensuring adequate system voltage and improving battery reliability.
- Automatic Engine Deration protects the engine and aftertreatment by automatically lowering engine torque output and alerting the operator if critical conditions are detected.



All Wheel Drive (AWD)

Expanded machine versatility

All Wheel Drive (AWD)

The AWD system generates all-wheel drive for high tractive effort and improved performance in difficult terrain. It automatically shifts power between the front and rear axles to maintain optimal traction. This allows the machine to operate in a wider range of conditions, increasing productivity.

Maximum Traction

The AWD system continuously monitors wheel slip and adjusts power distribution to maintain maximum traction. This ensures the machine can operate in the most demanding conditions, maximizing its productivity.

Hydraulic Mode

Operating with AWD, the machine can be configured to operate in a hydraulic mode. This allows the machine to be used for a variety of applications, including grading, spreading, and other tasks that require precise hydraulic control.

Steering Compensation

The Steering Compensation system automatically adjusts the machine's steering to compensate for uneven terrain. This helps maintain a straight path and improves the machine's ability to handle challenging conditions.



Integrated Technologies

Monitor, manage, and enhance job site operations



Cat Connect makes smart use of technology and services to improve your job site efficiency. Using the data from technology-equipped machines, you'll get more information and insight into your equipment and operations than ever before.

LINK Technologies

LINK technologies, like Product Link™, are deeply integrated into your machine and wirelessly communicates key information, including location, hours, fuel usage, idle time and event codes.

Product Link/VisionLink®

Easy access to Product Link data via the online VisionLink user interface can help you see how your machine or fleet is performing. You can use this information to make timely, fact based decisions that can boost job site efficiency and productivity, and lower costs.

APPENDIX A

Hydraulics

Advanced machine control

Advanced Electro-Hydraulic System

Incorporates a state-of-the-art electro-hydraulic system as the foundation for revolutionary changes in machine and advanced joystick controls.

Blade Float

Allows the blade to move freely under its own weight. By floating both cylinders, the blade can follow the contours of the road, especially useful when removing snow. Floating only one cylinder permits the toe of the blade to follow a hard surface while the operator controls the slope with the other lift cylinder.

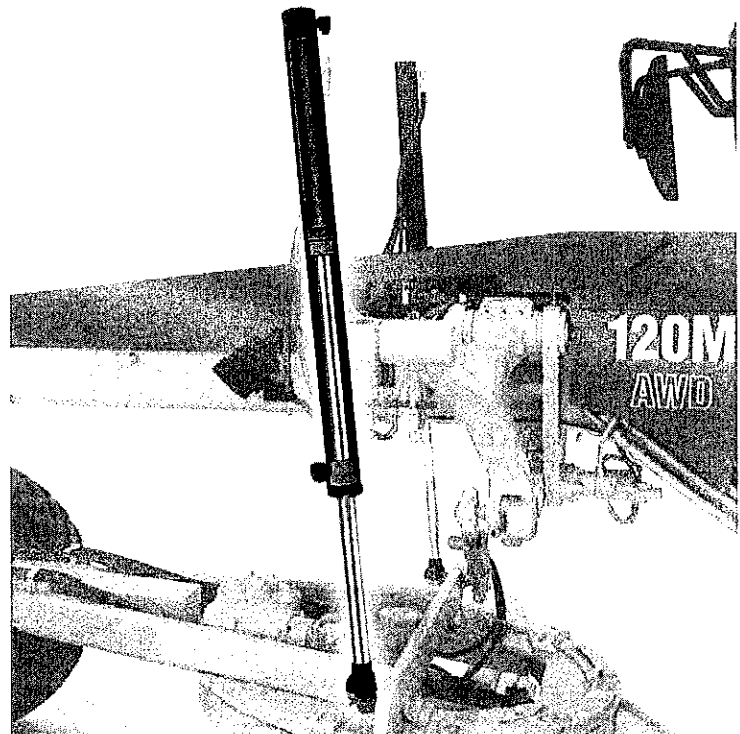
Independent Oil Supply

Large, separate hydraulic oil supplies prevent cross-contamination and provide proper oil cooling, which reduces heat build-up and extends component life.

Load Sensing Hydraulics (PPPC)

The proven load-sensing system and the advanced Proportional Priority Pressure-Compensating (PPPC or "triple P - C") electro-hydraulic valves provide superior implement control and enhanced machine performance in all applications. Continuously matching hydraulic flow/pressure to power demands creates less heat and reduces power consumption.

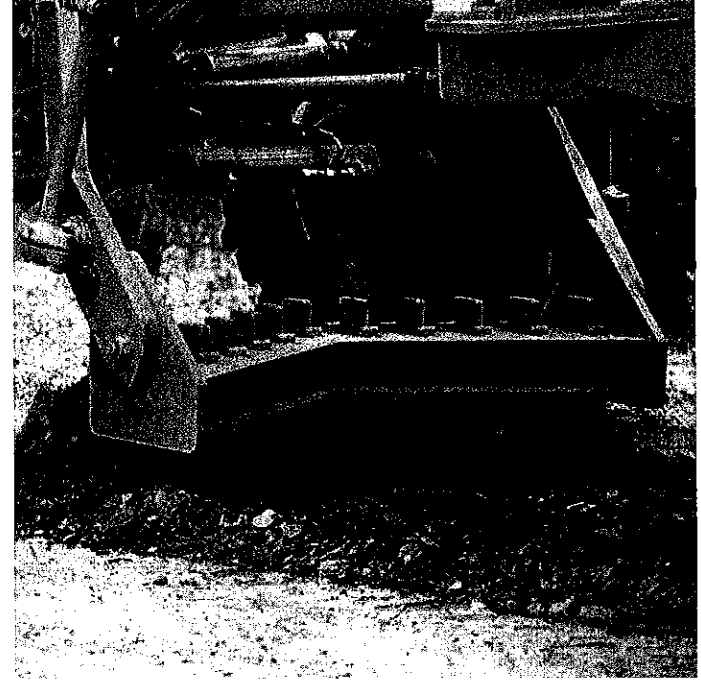
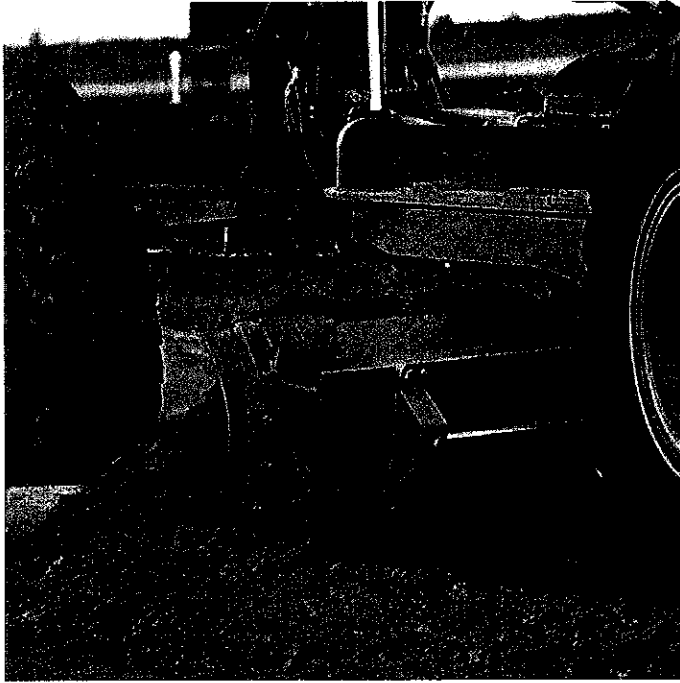
- Consistent, Predictable Movement – PPPC valves have different flow rates for the head (red) and rod ends (blue) of the cylinder, ensuring consistent extension and retraction speeds.
- Balanced Flow – Hydraulic flow is proportioned so all implements operate simultaneously with little effect on the engine or implement speeds.



APPENDIX A

Work Tools and Attachments

Equip your machine for the job



Moldboard Options

Standard 3.7 m (12 ft) ~~or optional 4.0 m (14 ft)~~. Left and right side extensions are also available.

Ground Engaging Tools (GET)

A variety of tools are available from Cat Work Tools, including cutting edges, graderbits and end bits, all designed for maximum service life and productivity.

Front Mounted Groups

A front mounted push plate/counterweight or front lift group are available. ~~The front lift group can be combined with a front dozer blade or front scarifier for added versatility.~~

Rear Ripper/Scarifier

Made to penetrate tough material fast and rip thoroughly for easier movement with the moldboard. The ripper includes three shanks (with holders for five). Nine scarifier shanks can also be added for additional versatility.

~~Snow Removal Work Tools~~

~~Multiple snow plow, snow wing and mounting options increase machine versatility and utilization throughout the year.~~

APPENDIX A

Safety

Protect your most valuable resource

Designed with Protection in Mind

Features are designed to enhance operator and job site safety, such as drop-down rear lights and a rearview camera. Among many standard safety features are laminated glass, back-up lights, and perforated tandem walkways and grab rails.

Operator Presence System

The parking brake remains engaged and hydraulic implements disabled until the operator is initially seated and the machine is ready for operation.

Secondary Steering System

Automatically engages an electric hydraulic pump in case of a drop in steering pressure, allowing the operator to steer the machine to a stop.

Hydraulic Lockout

A simple switch located in the cab disables all implement functions while still providing machine steering control. This safety feature is especially useful while roading.

Brake Systems

Brakes are located at each tandem wheel to eliminate braking loads on the power train. Redundant brake systems utilize accumulators to enable stopping in case of machine failure, further increasing operational safety.

Circle Drive Slip Clutch

This standard feature protects the drawbar, circle and moldboard from shock loads when the blade encounters an immovable object. It also reduces the possibility of abrupt directional changes in poor traction conditions.

Blade Lift Accumulators (Optional)

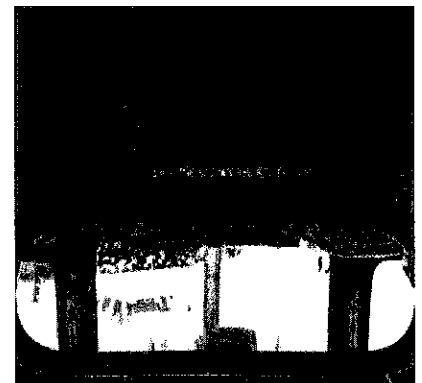
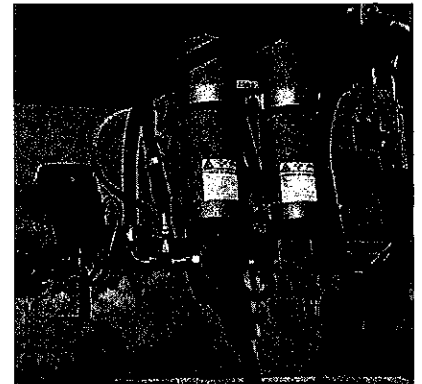
This optional feature uses accumulators to help absorb impact loads to the moldboard by allowing vertical blade travel. Blade lift accumulators help reduce unnecessary wear and also help reduce impact loading for enhanced operator safety.

Rearview Camera (Optional)

Visibility is further enhanced with an optional Work Area Vision System (WAVS) through a 178 mm (7 in) LCD color monitor in the cab. Developed specifically for rugged applications, this durable camera improves productivity and increases operator awareness of surroundings.

Front and Rear Fenders (Optional)

To help reduce objects flying from the tires, as well as build-up of mud, snow and debris, optional fenders can be added.



APPENDIX A

Customer Support

Unparalleled worldwide support

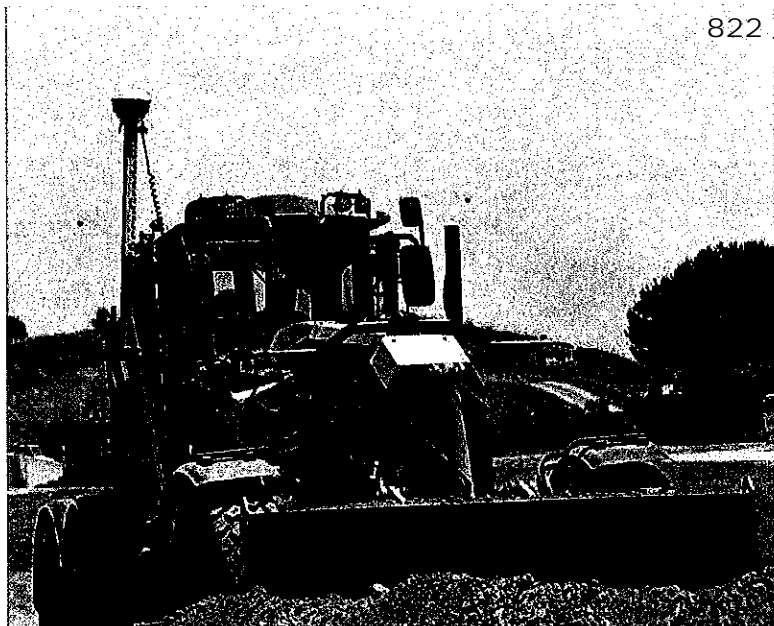
Renowned Dealer Service

From helping you choose the right machine to financing and ongoing support, your Cat dealer provides the best in sales and service.

Manage your costs with preventive maintenance programs like S-O-SSM analysis, Coolant Sampling and guaranteed maintenance contracts.

Stay productive with best-in-class parts availability. Your Cat dealer can even help boost your profits with operator training.

And when it's time for component replacement, your Cat dealer can help you save even more. Genuine Cat Remanufactured parts carry the same warranty and reliability as new products at savings of 40 to 70 percent for power train and hydraulic components.



Sustainability

Thinking generations ahead

M-Series 2 Motor Graders are designed to benefit your business and reduce emissions.

- Cat engine and aftertreatment meet Tier 4 Interim/Stage IIIB equivalent emission standards.
- Integrated machine systems and technologies improve productivity for greater accuracy, lower fuel use and reduced machine wear.
- Replaceable wear parts save maintenance time and cost, and extend major component life.
- Major structures and components are built to last, reducing waste and replacement costs.
- Extended service intervals reduce maintenance time/cost and waste.
- A variety of safety features help safeguard operators and others on the job site.



120M2/120M2-AWD Motor Graders Specifications

APPENDIX A

Engine		
Engine Model	Cat C7.1 ACERT	
Emissions	Tier 4 Interim/Stage IIIB equivalent	
Base Power (1st gear) – Net	108 kW	145 hp
Base Power (1st gear) – Net (metric)	147 hp	
VHP Plus Range – Net	108-141 kW	145-189 hp
VHP Plus Range – Net (metric)	147-192 hp	
AWD Range – Net	114-156 kW	155-209 hp
AWD Range – Net (metric)	155-212 hp	
Displacement	7.01 L	428 in ³
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Torque Rise	45%	
Maximum Torque	939 N·m	693 lbf·ft
Speed @ Rated Power	2,100 rpm	
Number of Cylinders	6	
Derating Altitude	3048 m	10,000 ft
Hi Ambient – Fan Speed		
Standard	1,000 rpm	
Maximum	1,350 rpm	
Minimum	500 rpm	
Standard Capability	43° C	109° F
Hi Ambient Capability	50° C	122° F

VHP Plus – Gear

1F, Net	108 kW	145 hp
2F, Net	114 kW	153 hp
3F, Net	120 kW	161 hp
4F, Net	126 kW	169 hp
5F, Net	130 kW	174 hp
6F, Net	134 kW	179 hp
7F, Net	137 kW	184 hp
8F, Net	141 kW	189 hp

- Net power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture.
- VHP Plus is a standard attachment for the 120M2; standard for the 120M2 AWD.
- Net power advertised is the power available at rated speed of 2,100 rpm, measured at the flywheel when engine is equipped with fan running at minimum speed, air cleaner, muffler and alternator.
- No engine derating required up to 3048 m (10,000 ft).
- Power as declared per ISO 14396
Rated rpm 2,100
VHP+ = 142 kW (190 hp)
~~AWD = 157 kW (211 hp)~~
- All non-road Tier 4, Stage IIIB and IV certified diesel engines are required to use:
 - Ultra Low Sulfur Diesel (ULSD) and Sulfur-Free fuels that are 15 ppm (mg/kg) sulfur or less.
 - Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specification.

Power Train

Forward/Reverse Gears	8 Forward/6 Reverse	
Transmission	Direct Drive, Powershift	
Brakes		
Service	Multiple Oil Disc	
Service, Surface Area	23 000 cm ²	3,565 in ²
Parking	Multiple Oil Disc	
Secondary	Dual Circuit	

Hydraulic System

Circuit Type	Parallel	
Pump Type	Variable Piston	
Pump Output	210 L/min	55.7 gal/min
Maximum System Pressure	24 150 kPa	3,500 psi
Reservoir Tank Capacity	60 L	15.85 gal
Standby Pressure	4200 kPa	609 psi

• Pump output measured at 2,150 rpm

Operating Specifications

Top Speed		
Forward	45.7 km/h	28.4 mph
Reverse	36.1 km/h	22.4 mph
Turning Radius, Outside Front Tires	7.4 m	24 ft 3 in
Steering Range – Left/Right	47.5°	
Articulation Angle – Left/Right	20°	
Forward		
1st	4.0 km/h	2.5 mph
2nd	5.4 km/h	3.4 mph
3rd	7.8 km/h	4.9 mph
4th	10.8 km/h	6.7 mph
5th	16.8 km/h	10.4 mph
6th	22.8 km/h	14.2 mph
7th	31.4 km/h	19.5 mph
8th	45.7 km/h	28.4 mph
Reverse		
1st	3.1 km/h	1.9 mph
2nd	5.9 km/h	3.9 mph
3rd	8.5 km/h	5.3 mph
4th	13.2 km/h	8.2 mph
5th	24.8 km/h	15.4 mph
6th	36.1 km/h	22.4 mph

Calculated with no slip and 14.0R24 tires.

Service Refill

Fuel Capacity	378 L	100 gal
Cooling System	49 L	12.9 gal
Hydraulic System		
Tank	64 L	16.9 gal
Engine Oil	30 L	7.9 gal
Trans./Diff./ Final Drives	62.5 L	16.5 gal
Tandem Housing (each)	59 L	15.6 gal
Front Wheel Spindle Bearing Housing	0.5 L	0.13 gal
Circle Drive Housing	7 L	1.8 gal

Frame

Circle		
Diameter	1530 mm	60.2 in
Blade Beam Thickness	35 mm	1.4 in
Drawbar		
Height	152 mm	6.0 in
Width	76.2 mm	3.0 in
Thickness	9.5 mm	0.4 in
Front-Top/Bottom Plate		
Width	255 mm	10.0 in
Thickness	22 mm	0.87 in
Front Frame Structure		
Height	280 mm	11.0 in
Width	204 mm	8.0 in
Front Axle		
Height to Center	572 mm	22.5 in
Wheel Lean, Left/Right	18°	
Front Axle – Total Oscillation Per Side 32°		
• Front-top/bottom plate – width tolerance ± 2.5 mm (0.098 in)		

Tandems

Height	502 mm	19.8 in
Width	172 mm	6.8 in
Sidewall Thickness		
Inner	14 mm	0.5 in
Outer	16 mm	0.6 in
Drive Chain Pitch	44.5 mm	1.8 in
Wheel Axle Spacing	1510 mm	59.5 in
Tandem Oscillation		
Front Up	15°	
Front Down	25°	

120M2/120M2 AWD Motor Graders Specifications

APPENDIX A

Moldboard

Blade Width	3.7 m	12 ft
Moldboard		
Height	610 mm	24 in
Thickness	22 mm	0.87 in
Arc Radius	413 mm	16.3 in
Throat Clearance	123.9 mm	4.9 in
Cutting Edge		
Width	152 mm	6 in
Thickness	16 mm	0.6 in
End Bit		
Width	152 mm	6 in
Thickness	16 mm	0.6 in
Blade Pull		
Base GVW	10 767 kg	23,737 lb
Maximum GVW	13 599 kg	29,980 lb
Maximum GVW AWD	19 998 kg	44,088 lb
Blade Down Pressure		
Base GVW	6818 kg	15,030 lb
Maximum GVW	12 354 kg	27,235 lb

Blade Range

Circle Centershift		
Right	656 mm	25.8 in
Left	656 mm	25.8 in
Moldboard Sideshift		
Right	660 mm	26 in
Left	510 mm	20.1 in
Maximum Blade Position Angle	90°	
Blade Tip Range		
Forward	40°	
Backward	5°	
Maximum Shoulder Reach Outside of Tires		
Right	1905 mm	75 in
Left	1742 mm	68.6 in
Maximum Lift Above Ground	427 mm	16.8 in
Maximum Depth of Cut	720 mm	28.3 in

Ripper

Ripping Depth, Maximum	226.5 mm	8.9 in
Ripper Shank Holders	5	
Ripper Shank Holder Spacing	534 mm	21 in
Penetration Force	8024 kg	17,692 lb
Pryout Force	2567 kg	5,660 lb
Machine Length Increase, Beam Raised	1053 mm	41.5 in

Scarifier

Front, V-Type Working Width	1205 mm	47.4 in
Front, V-Type, 5 or 11 Tooth		
Working Width	1091 mm	46.6 in
Scarifying Depth, Maximum	467 mm	18.4 in
Scarifier Shank Holders	5/11	
Scarifier Shank Holder Spacing	116 mm	4.6 in
Mid, V-Type		
Working Width	1184 mm	46.6 in
Scarifying Depth, Maximum	292 mm	11.5 in
Scarifier Shank Holders	11	
Scarifier Shank Holder Spacing	116 mm	4.6 in
Mid, Straight		
Working Width	1800 mm	71 in
Ripping Depth, Maximum	317 mm	12.5 in
Scarifying Depth, Maximum	426 mm	16.8 in
Scarifier Shank Holders	17	
Scarifier Shank Holder Spacing	111 mm	4.4 in

Weights

Gross Vehicle Weight, Base		
Total	15 887 kg	35,025 lb
Front Axle	3924 kg	8,651 lb
Rear Axle	11 963 kg	26,374 lb
Gross Vehicle Weight, Maximum		
Total	22 220 kg	48,987 lb
Front Axle	7110 kg	15,675 lb
Rear Axle	15 110 kg	33,312 lb
Operating Weight, Typically Equipped		
Total	18 095 kg	39,892 lb
Front Axle	4791 kg	10,563 lb
Rear Axle	13 304 kg	29,329 lb

Weights – AWD

Gross Vehicle Weight, full –

Rear	46,880 kg	103,214 lb
Front Axle	4496 kg	9,911 lb
Rear Axle	12,445 kg	27,436 lb

Gross Vehicle Weight, Maximum –

Rear	60,220 kg	133,007 lb
Front Axle	7140 kg	15,656 lb
Rear Axle	16,140 kg	35,582 lb

Operating Weight, Typically Equipped –

Full	18,967 kg	41,859 lb
Front Axle	9266 kg	20,444 lb
Rear Axle	9701 kg	21,394 lb

Base operating weight calculated on standard machine –

with standard 1402 mm wheelbase, 1500 mm track, 1500 mm blade	
---	--

• Typically equipped operating weight is calculated with push blade, front ripper, and other equipment.

Standards

ROPS/FOPS	ISO 3471/ISO 3449
Steering	ISO 5010
Brakes	ISO 3450
Sound	ISO 6394; ISO 6395

- The static sound operator sound pressure level measured according to ISO 6394:2008 for a cab offered by Caterpillar, when properly installed, maintained and tested with doors and windows closed and engine cooling hydraulic fan at maximum speed is 70 dB(A).
- The dynamic spectator sound power level measured according to ISO 6395:2008 for the standard machine when equipped with optional sound suppression package and engine cooling hydraulic fan running at 70% of maximum speed, machine sound is 106 dB(A) for 120M2 and 120M2 AWD, complying with EU 2000/14/EC requirement.

Tires

17.5 R25 Tire (14x25 Rim) Dimension Adjustments – Standard and AWD

Height to Dimensions 1, 2, 8, 9, 10	–20 mm	–0.8 in
Length Front Tire to Rear of Machine Dimension 6	–15 mm	–0.6 in
Width to Tire Centerline Dimension 11	+103 mm	+4.1 in
Width to Tire Front/Rear Tires Dimensions 12, 13	+192 mm	+7.6 in

- Note: Dimension changes may vary by brand/type and inflation of tires.

Air Conditioning System

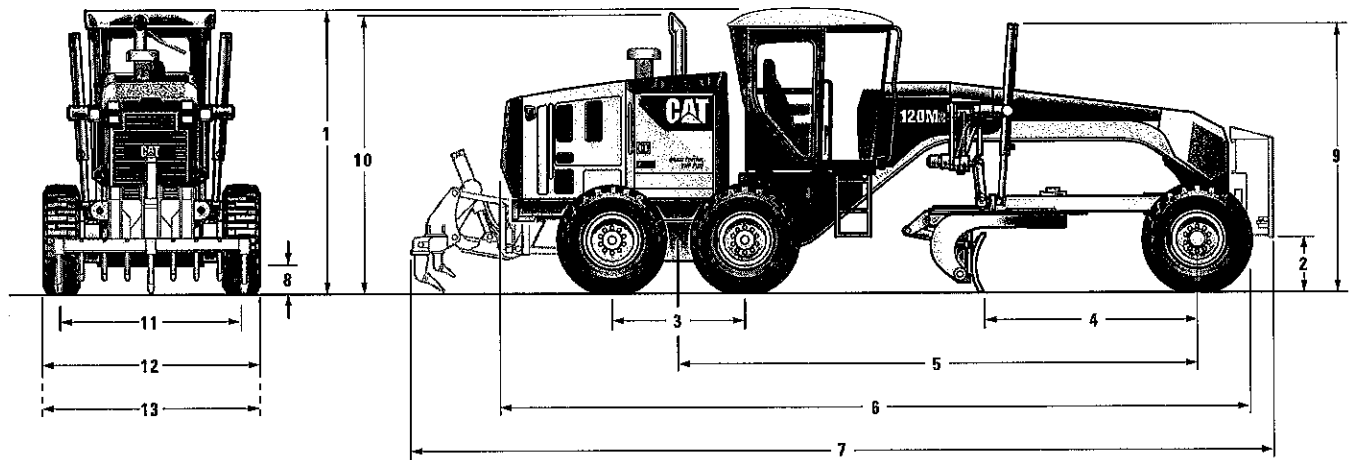
The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg of refrigerant which has a CO₂ equivalent of 2.88 metric tonnes.

120M2/120M2-AWD Motor Graders Specifications

APPENDIX A

Dimensions

All dimensions are based on 14.0R24 tires.



1	Height - Top of Cab	3308 mm	130.2 in
2	Height - Front Axle Center	596 mm	23.5 in
3	Length - Between Tandem Axles	1510 mm	59.4 in
4	Length - Front Axle to Moldboard	2510 mm	98.8 in
5	Length - Front Axle to Mid Tandem	5917 mm	233 in
6	Length - Front Tire to Rear of Machine	8820 mm	347.2 in
7	Length - Counterweight to Ripper	10 032 mm	395.0 in
8	Ground Clearance at Rear Axle	348 mm	13.7 in
9	Height to Top of Cylinders	2917 mm	114.8 in
10	Height to Exhaust Stack	3258 mm	128.3 in
11	Width - Tire Center Lines	2119 mm	83.4 in
	Width - Tire Center Lines Front (AWD)	2223 mm	87.5 in
12	Width - Outside Rear Tires	2490 mm	98.0 in
13	Width - Outside Front Tires	2511 mm	98.9 in
	Width - Outside Front Tires (AWD)	2594 mm	102.1 in

APPENDIX A

120M2/120M2-AWD Motor Graders Specifications

Optional Tire Arrangements

Wheel Group		Tires	Tire Arrangement Weight (Total – 6 Tires)	
9x24 SP	13.00-24	Firestone SGG RB 12PR	775 kg	1,709 lb
14x25 MP	17.5-25	Goodyear HRL DL 3A 16 PR	1487 kg	3,278 lb
14x25 MP	17.5R25	Michelin XHA 1 Star	1523 kg	3,357 lb
14x25 MP	17.5R25	Michelin XTLA 1 Star	1373 kg	3,026 lb
10x24 MP	14.0-24	Goodyear SGG-2A 16 PR	1173 kg	2,586 lb
10x24 MP	14.0R24	Michelin XGLA2 1 Star	1209 kg	2,666 lb
10x24 MP	14.0R24	Bridgestone VKT 1 Star	1371 kg	3,023 lb
10x24 MP	14.0R24	Michelin XSNO+ 1 Star	1305 kg	2,877 lb
10x24 MP	14.0R24	Bridgestone VUT 1 Star	1269 kg	2,798 lb
9x24 SP	14.0R24	Michelin XGLA2 1 Star	1049 kg	2,313 lb
14x25 MP	17.5R25	Bridgestone VKT 1 Star	1523 kg	3,357 lb
13x25 SP	17.5R25	Michelin XHA 1 Star	1320 kg	2,911 lb
13x25 SP	17.5R25	Michelin XTLA 1 Star	1170 kg	2,580 lb
120M2-AWD				
14x25 MP	17.5R25	Michelin XSNO+ 1 Star	1402 kg	3,094 lb
14x25 MP	17.5-25	Firestone SGG 12PR	1207 kg	2,661 lb
14x25 MP	17.5R25	Bridgestone VSW 1 Star	1673 kg	3,688 lb
10x24 MP	14.0R24	Bridgestone VSW 1 Star	1205 kg	2,656 lb

For a complete list of tire options, contact your local Cat dealer.

Standard Equipment

Standard equipment may vary. Consult your Cat dealer for details.

POWER TRAIN

- Air cleaner, dual stage, dry type, diesel, with automatic engine derate and automatic dust ejector, service indicator through Cat Messenger
- Air-to-air after cooler (ATAAC)
- Belt, serpentine, automatic tensioner
- Brakes, oil disc, four-wheel, hydraulic
- Demand fan, hydraulic, swing-out
- Differential lock/unlock, automatic
- Drain, engine oil, ecology
- Electronic over speed protection
- Engine, C7.1 with ACERT Technology, Tier 4 Interim and Stage IIIB equivalent emission standards
- Fuel tank, 378 L (100 gal), ground level access and sediment drain
- Parking brake – multi-disc, sealed, oil-cooled
- Priming pump, fuel
- Rear axle, modular
- Sediment drain, fuel tank
- Tandem drive
- Transmission, 8F/6R, power shift, direct drive
- VHP Plus (Variable Horsepower)

ELECTRICAL

- Alarm, back up
- Alternator, 150 ampere, sealed
- Batteries, maintenance free, heavy duty, 1,125 CCA
- Breaker panel, ground accessible
- Cab harness and electrical hydraulic valves
- Electrical system, 24V
- Grade Control Ready – Cab harness, software, electrical hydraulic valves, bosses and brackets
- Lights, roof-mounted roading, reversing, LED stop and tail
- Product Link Ready
- Starter, electric

OPERATOR ENVIRONMENT

- Accelerator
- Air conditioning with heater
- Arm and wrist rest, electronically adjustable
- Articulation, automatic Return-to-Center
- Ashtray and lighter
- Cat Messenger operator information system
- Centershift pin indicator
- Coat hook
- Cup holder
- Display, digital speed and gear
- Doors, left and right side with wiper
- Gauge, machine level
- Gauge cluster (analog) – fuel, articulation, engine coolant temp, engine RPM, hydraulic oil temp, regen
- Hour meter, digital
- Joystick hydraulic controls right/left blade lift with float position, circle drive, blade sideshift and tip, centershift, front wheel lean, articulation and power steering
- Joystick, adjustable armrests
- Joystick gear selection
- Joystick hydraulic power steering
- Ladders, cab, left and right side
- Lights, night time cab
- Mirror, inside rearview, wide angle
- Power port, 12V
- Radio Ready, Entertainment
- ROPS cab, sound suppressed 70 dB(A)
- Seat, cloth-covered, comfort suspension
- Seat belt, retractable 76 mm (3 in)
- Storage area for cooler/lunchbox
- Throttle control, electronic
- Windows, laminated glass:
 - fixed front with intermittent wiper
 - side and rear (3)

FLUIDS

- Antifreeze
- Extended Life Coolant to -35°C (-30°F)

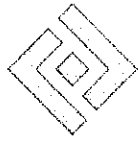
TIRES, RIMS AND WHEELS

- Partial allowance for tires on 254×607 mm (10×24 in) multi-piece rims is included in the base machine price and weight

OTHER STANDARD EQUIPMENT

- Accumulators, brake, dual certified
- Anti-glare paint
- Bumper, rear, integrated with hitch
- CD ROM Parts Book
- Clutch, circle drive slip
- Cutting edges
 - 152×16 mm ($6 \times 5/8$ in)
 - curved DH-2 steel
 - 19 mm ($3/4$ in) mounting bolts
- Doors (3), engine compartment, locking
- Drawbar – 6 shoes, replaceable wear strips
- Electrical hydraulic valves, hydraulic lines for base 8 functions
- Endbits
 - 16 mm ($5/8$ in) DH-2 steel
 - 19 mm ($3/4$ in) mounting bolts
- Fluid check, ground level
- Frame, articulated, with safety lock
- Ground level engine shutdown
- Hammer (emergency exit)
- Horn, electric
- Hydraulic lines for base functions
- Lockout, hydraulic implement (for roading and servicing)
- Moldboard – $3658 \times 610 \times 22$ mm ($12 \text{ ft} \times 24 \text{ in} \times 7/8 \text{ in}$)
- Mounting, cab roof accessories
- Pump, hydraulic, high capacity, 98 cm³ (6 in³)
- Radiator, cleanout access (both sides with swing doors)
- Secondary steering
- Serviceability, LH side
- S-O-S ports: engine, hydraulic, transmission, coolant, fuel
- Tandem walkway/guards
- Tool box
- Tow hitch

APPENDIX B



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APPENDIX B

Pneumatic Tired Roller BW11RH-5

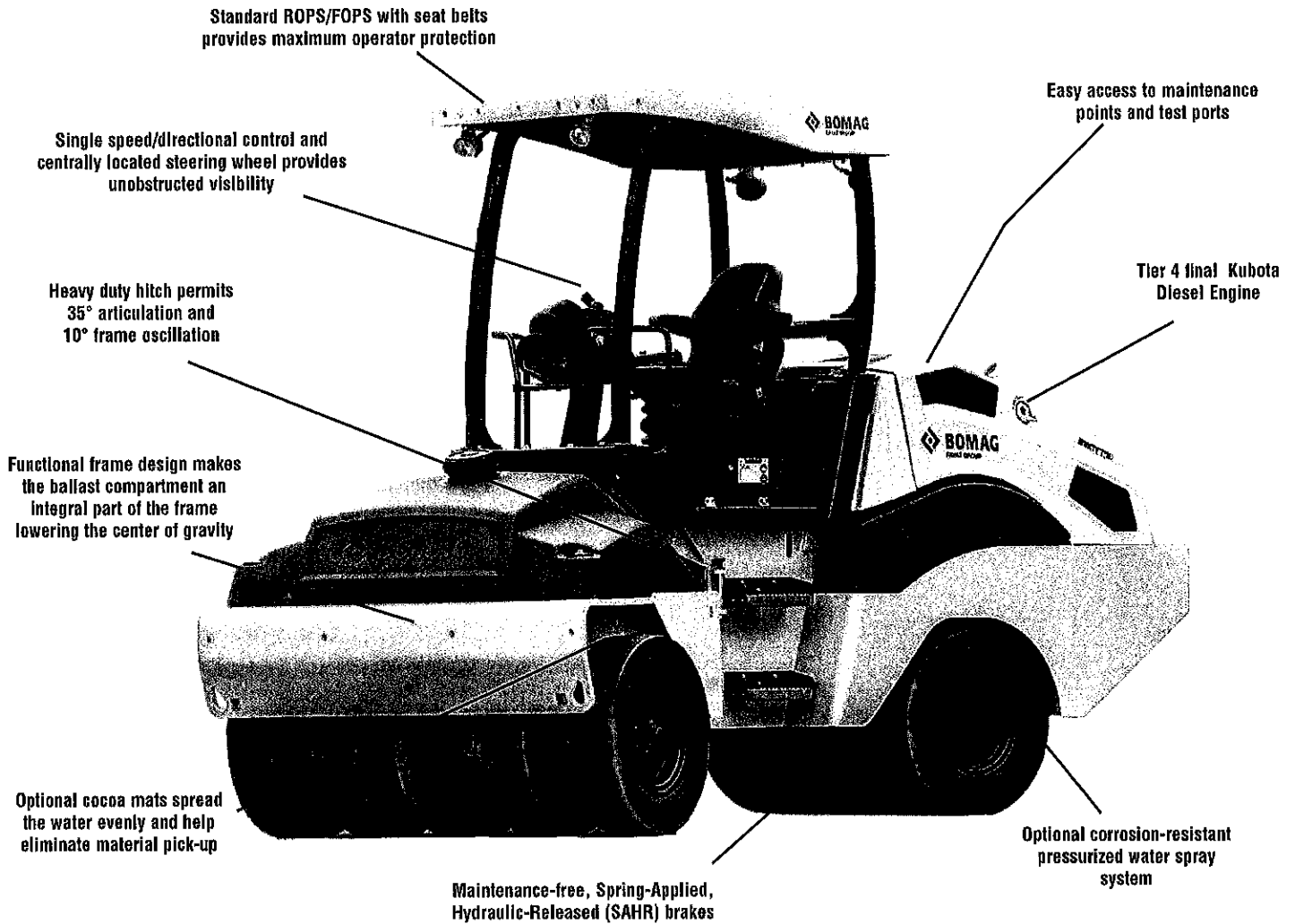


TIRE INFLATION PRESSURE P.S.I.			GROUND CONTACT PRESSURE P.S.I.						
Wheel Loads	Ballast Combinations		14 Ply tire pressure			Opt 14 Ply Radial tire pressure			
lbs	Front	Rear	45	75	100	45	75	100	130
1,500 (680 kg)	3,355 (1,521 kg)	0	46	49	55	32	46	61	81
2,000 (907 kg)	5,855 (2,655 kg)	1,070 (485 kg)	53	63	77	40	57	72	99
2,222 (1,006 kg)	6,965 (3,153 kg)	1,958 (886 kg)	X	68	82	X	61	73	94

Operating weight, 12,231 lbs (5547 kg), includes ROPS, full fuel tank, 1/2 full water spray tank, and 175 lbs (80 kg) operator.

APPENDIX B

BW11RH-5



BW11RH-5 - continuing the tradition of excellence...

The BW11RH-5 pneumatic tire roller is one of the most versatile machines in the Bomag line. This roller achieves its high compaction performance through the combined effect of vertical pressure with the horizontal forces directed to all sides under each of the nine, overlapping tires.

Wheels and frame oscillate to deliver balanced wheel loads and uniform compaction. Further enhancing its versatility and maneuverability, the BW11RH-5's hydrostatic, centerpoint, articulated steering delivers a short, ten foot turning radius achieving optimum compaction on tight, curving curblines.

Applications:

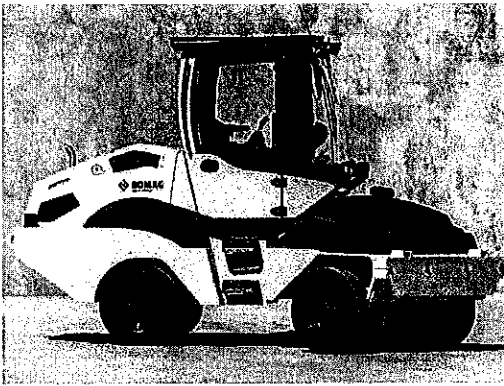
- Highway construction and maintenance
- Driveways
- Parking lots
- Chip and seal



BW11RH in action on an asphalt resurfacing application

APPENDIX B

Featuring...



Center swivel seat provides excellent comfort and visibility in both travel directions

Pneumatic tired models provide maximum versatility

Achieve Maximum Productivity:

- Centerpoint steering allows the wheels to provide full width coverage on turns requiring fewer passes to achieve optimum compaction results.
- Three speed hydrostatic transmission provides maximum gradeability in low range, optimum performance in medium or work range and top production in high range.
- Short, ten foot inside turning radius, accomplished through 35 degree centerpoint articulation, takes compaction up to tight, curving curblines.
- Ten degrees oscillation assures uniform compaction on irregular surfaces.
- Center swivel seat cockpit design places controls within easy reach and provides excellent visibility in both travel directions.
- Optional heat retention shields help maintain high tire temperatures, preventing asphalt pickup that could damage the mat.
- Optional pressurized water spray system provides efficient water usage, extending time between refills.

Handling is Easier & Safer:

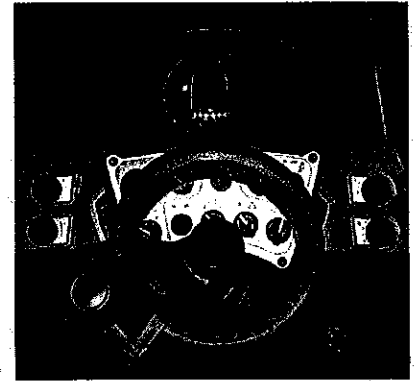
- Hydrostatic Steering with automotive type steering wheel provides controlled maneuverability through turns.
- Brakes apply automatically when engine is shut down or with loss of transmission system hydraulic pressure.
- Functional frame design incorporates strategically placed ballast compartments providing a low center of gravity, exceptional stability and uniform weight distribution when fully ballasted.
- Standard ROPS/FOPS, which also functions as sun canopy, with seat belts deliver operator safety.
- Operating Safety is further enhanced by adding the optional turn signals and 4-way flashers.
- Zero overhang; two inches overhang with optional pressurized water spray system and heat shields

Less Service & Maintenance:

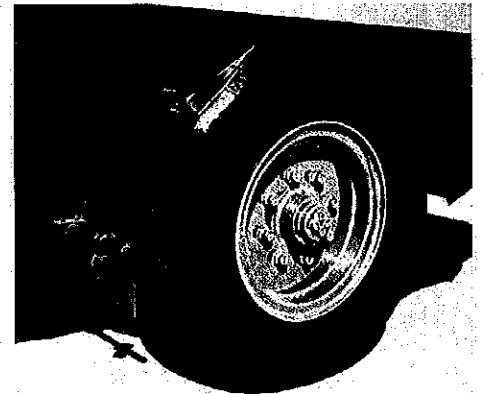
The purchase price is important, but so are the operating costs. Check these features:

- Maintenance-free SAHR brakes are an integral part of the travel motors, allowing an emergency/parking brake provision. Brakes meet highest standards, ISO 3450.
- Wide opening engine hood allows easy access for servicing.
- Maintenance and check points are accessible while standing on the ground.
- The heavy duty, maintenance free centerpoint oscillating and articulating centerjoint provides long life.
- Self-lubricating bushings are virtually maintenance-free.
- The frame is constructed of heavy steel plate to provide maximum strength and durability.

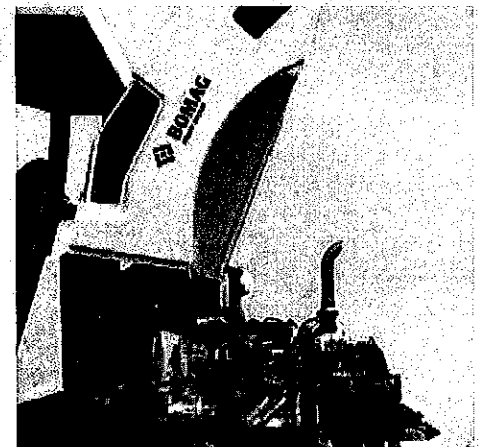
Best for **COMPACTION**



Cockpit design places controls within easy reach and provides unobstructed visibility



Cocoa mats on each tire help eliminate material pick-up



Easy access means fast servicing

With these features and many more, it's easy to see why this model maintains a high residual value while delivering lower lifetime operating costs.

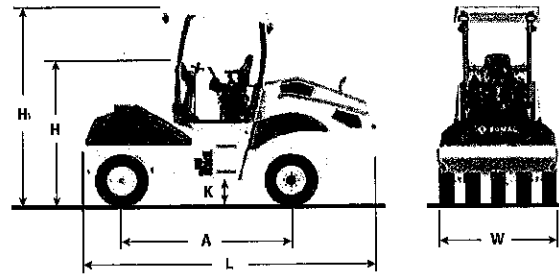
APPENDIX B

Technical Specifications

BW11RH-5

Shipping dimensions

in cubic feet (m³) without/with ROPS/FOPS
 BW11RH-5 568.7 (16.1) 824 (23.3)



Dimensions in inches (mm)

	A	H	H1	K	L	W
BW11RH-5	100 (2540)	82 (2083)	113 (2870)	13 (330)	173 (4445)	68 (1727)

Standard equipment

- ☒ Hydrostatic transmission
- ☒ Tier 4 final Kubota Diesel Engine
- ☒ Nine 7.50 x 15, 14 ply tires
- ☒ Fuel gauge
- ☒ Horn
- ☒ Hydrostatic, center articulated steering with $\pm 10^\circ$ frame oscillation
- ☒ Rear wheel oscillation:
 - $\pm 4^\circ$ outside
 - $\pm 5^\circ$ center
- ☒ Spring-Applied, Hydraulically-Released (SAHR) brakes
- ☒ 150 gallon polyethylene water tank
- ☒ Roll-Over, Falling-Object Protective Structure (ROPS/FOPS) and seat belts

Optional equipment

- ☒ ~~Operator's seat with seat belt~~
- ☒ Headlights (front and rear)
- ☒ Turn signals and 4-way flashers
- ☒ ~~Front/rear protection shields~~
- ☒ Pressurized water spray system
- ☒ ~~Special paint finish~~
- ☒ ~~Excavator attachment~~
- ☒ Radial Tires w/ approx. 14 ply rating
- ☒ Steel ballast

Technical data

Weights

Basic/Shipping weight.....	lb (kg)	11075 (5022)
Operating weight (unballasted).....	lb (kg)	12231 (5547)
Operating weight (max. allowable ballast) w/ ROPS/FOPS.....	lb (kg)	20000 (9054)
Operating weight (max. allowable ballast) w/ cab.....	lb (kg)	20000 (9054)
Average wheel load, (max.).....	lb (kg)	2222 (1006)

Dimensions

Working width.....	in (mm)	68 (1727)
Wheel track overlap.....	in (mm)	0.5 (12.5)
Height with ROPS/FOPS.....	in (mm)	113 (2870)
Track radius, inner.....	in (mm)	122 (3099)
Dimensions.....		see sketch

Driving Characteristics

Speed (low).....	mph (kmph)	8.0 (12.9)
Speed (medium).....	mph (kmph)	10.5 (16.9)
Speed (high).....	mph (kmph)	15.5 (25.0)

Drive

Engine manufacturer.....	Kubota
Type.....	V3307
Emissions Standard.....	Tier 4 final
Cooling.....	water
Number of cylinders.....	4
Performance SAE J1995.....	hp (kW)
Speed.....	rpm
Fuel.....	diesel
Electric equipment.....	V
Drive system.....	hydrostatic
Driven axles.....	front

Tires

Number of tires, front/rear.....	5/4
Tire size	7.50 x 15, 14 ply
Oscillation of tires front, outside/center..... deg	4/5

Brakes

Service brake.....	hydrostatic
Secondary/Parking brake.....	SAHR

Steering

Steering system.....	oscillating, articulating
Steering method.....	hydrostatic
Steering angle +/-..... deg	35
Oscillating angle +/-..... deg	10

Water Spray System (optional)

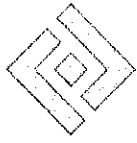
Type of water spray system.....	pressurized
---------------------------------	-------------

Capacities

Fuel.....	gal (l)	50 (190)
Water.....	gal (l)	140 (532)
Engine oil.....	gal (l)	2.5 (9.5)
Hydraulic fluid.....	gal (l)	28.5 (108)



APPENDIX C

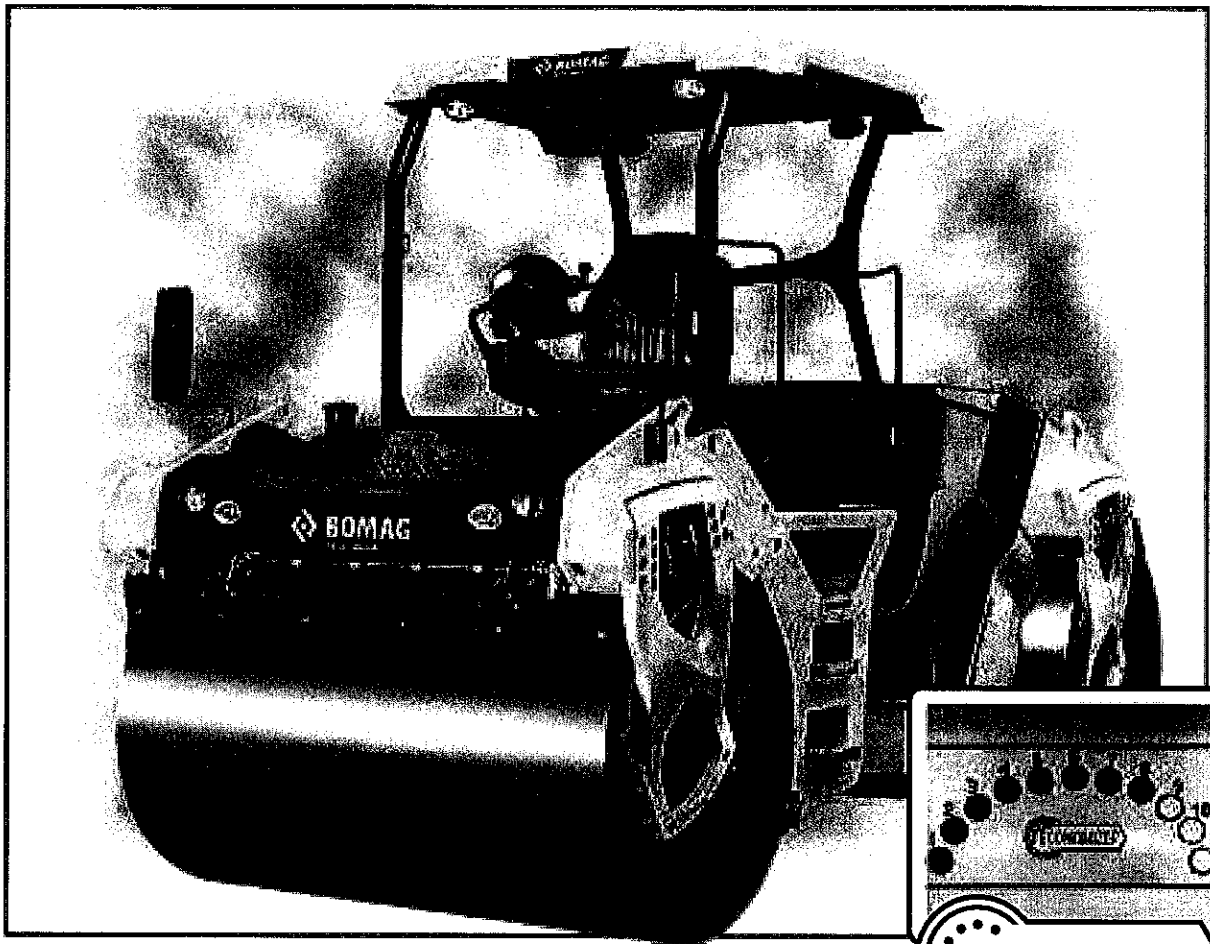


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APPENDIX C

Tandem Vibratory Rollers

BW161AD-5 HF, ~~BW190AD-5 HF~~



KEY FEATURES

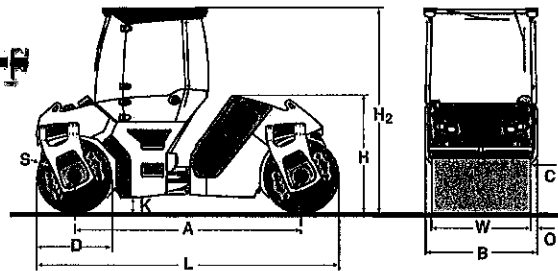
- 2 Amplitudes / 2 Frequencies
- Kubota Tier 4i engine
- ECOMODE
- ECONOMIZER option
- Visible sightlines to drum edge
- Open operator's platform
- 180 degree swivel operator's seat
- Crab walk option

Technical Specifications

BW161AD-5 HF, ~~BW190AD-5 HF~~

Shipping dimensions

in cubic feet (m³)	with ROPS	without ROPS
BW161AD-5 HF	957.1 (27.1)	726.5 (20.6)
BW190AD-5 HF	1119 (31.7)	849.1 (24.0)



Standard Equipment

- ☒ 2 amplitudes / 2 frequencies
- ☒ Automatic vibration operation
- ☒ Individual vibration control
- ☒ Adjustable driver's seat - 180 degrees
 - laterally slidable with steering wheel
- ☒ On-board indicators
 - engine speed, speedometer, fuel consumption, engine temperature
- ☒ Pressure sprinkling system with 2 pumps
- ☒ Low water level indicator
- ☒ Indicator and hazard lights
- ☒ Back-up alarm
- ☒ Battery disconnect switch
- ☒ Storage for documents and tools
- ☒ Emergency stop button
- ☒ ROPS/FOPS w/ safety belt

Optional Equipment

- ☐ ECONOMIZER
- ☐ Asphalt temperature display
- ☐ ROPS cab w/ seat belts
 - heating
 - 4 working head lights
- ☐ Air conditioning w/ cab option
- ☐ Radio w/ cab option
- ☐ 2 LED lights for cab roof (barbeam)
- ☐ Edge sensor
- ☐ Crab walk to both sides 6.7 in. (170 mm)
- ☐ Lighting for drum edge front and rear
- ☐ Seat heating
- ☐ Outside mirrors
- ☒ Rotary beacon
- ☒ Environmentally friendly hydraulic oil
- ☐ BOMAG TELEMATIC POWER

Dimensions in inches (mm)

	A	B	C	D	H	H2	K	L	O	S	W
BW161AD-5 HF	142.5 (3620)	72.3 (1836)	26.4 (670)	48 (1220)	91.1 (2315)	120.1 (3050)	9.8 (250)	190.6 (4840)	3.1 (78)	0.67 (17)	66.1 (1680)
BW190AD-5 HF	142.5 (3620)	95.1 (2418)	26.4 (670)	48 (1220)	91.1 (2315)	120.1 (3050)	9.8 (250)	190.6 (4840)	3.1 (78)	0.75 (19)	79.2 (1990)

Technical Data

Weights

Operating weight with ROPS	lb (kg)
Operating weight with cab	lb (kg)

BOMAG

BW161AD-5 HF

21600 (9800)
22045 (10000)

~~BOMAG~~

~~BW190AD-5 HF~~

26130 (11850)
26500 (12050)

Drive

Engine manufacturer	Kubota
Type	V3800 CR-TI
Emission stage	Tier 4i
Cooling	water
Number of cylinders	4
Performance ISO 14396	hp (kW)
Speed	rpm
Electric equipment	V

114 (85)
2600
12

114 (85)
2600
12

Brakes

Service brake	hydrost.
Parking brake	multi disc

hydrost.
multi disc

hydrost.
multi disc

Steering

Steering system	oscil. artic.
Track radius, inner	in (mm)
Lateral displacement right/left (crab steer option) ...	in (mm)

192.1 (4900)
6.7 (170)

oscil. artic.
190.3 (4870)
6.7 (170)

Exciter system

Vibrating drum	front + rear
Automatic vibration shut off	standard
Frequency	vpm (Hz)
Amplitude	in (mm)
Centrifugal force	lb (kN)

3000/4200 (50/70)
0.023/0.010 (0.6/0.26)
22706/19109 (101/85)

front + rear
standard
3000/4200 (50/70)
0.023/0.010 (0.6/0.26)
22706/19109 (101/85)

Capacities

Fuel	g (l)
Water	g (l)

38.3 (145)
198.1 (750)

38.3 (145)
198.1 (750)

Technical modifications reserved. Machines may be shown with options.



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BOMAG Americas, Inc.
125 Blue Granite Parkway
Ridgeway, SC 29130 • Tel: 803 337-0700

APPENDIX C



SUPERIOR TECHNOLOGY. OPTIMAL COMPACTION.

ARTICULATED TANDEM ROLLERS, 15,000 LB AND OVER.



APPENDIX C



ENHANCING PRODUCTIVITY.

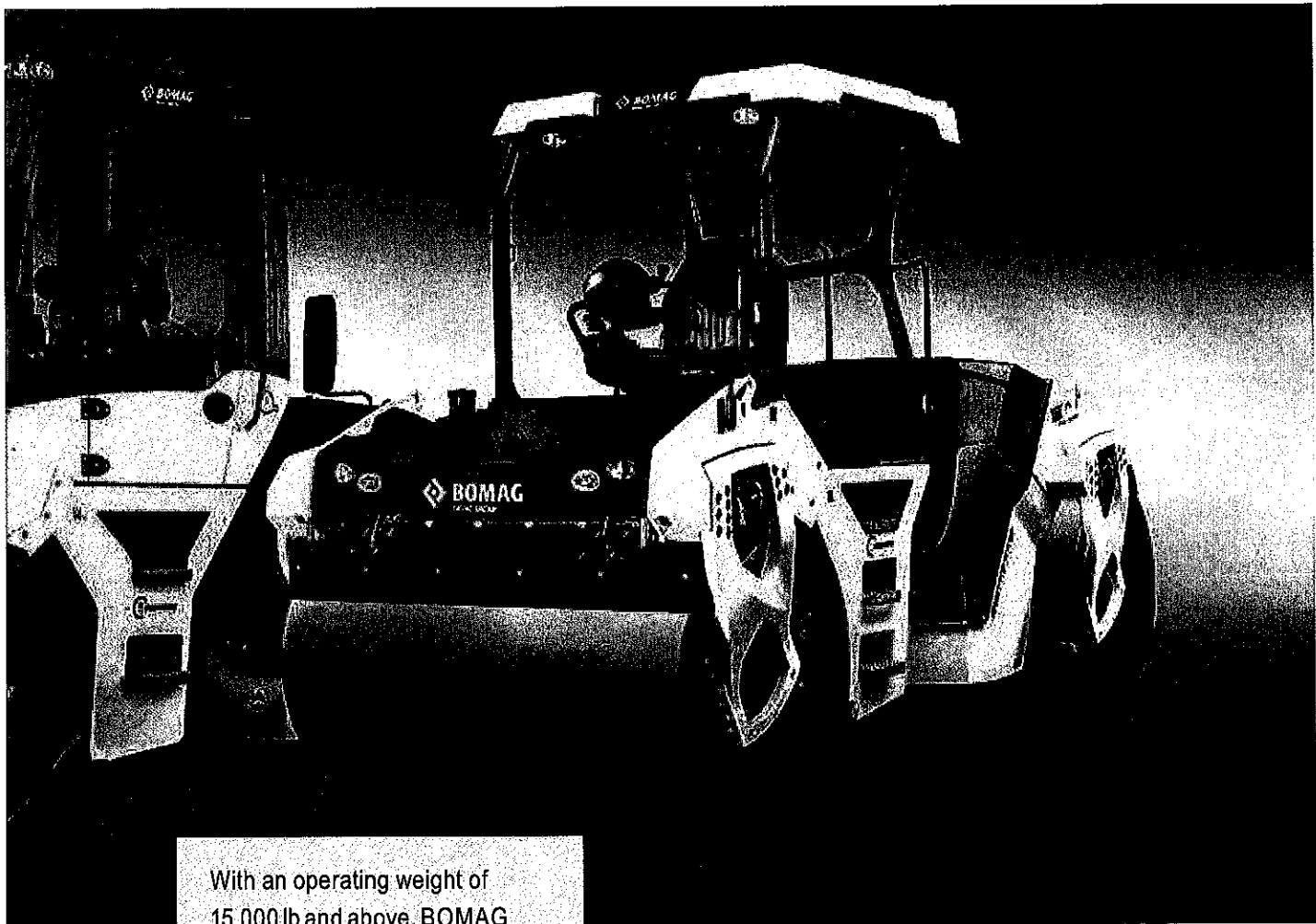
ASPHALT COMPACTION WITH BOMAG EXPERTISE.

Better is the enemy of good. With this motto, BOMAG has developed, designed and built compaction equipment for the last 60 years. Our engineers strive to make each new model generation a little better, more economical and productive than the previous generation. And they always pursue one target: a BOMAG must be able to finish work quicker, more comfortably and professionally.

The close contact we maintain with our customers helps us to find ways to achieve true increases in productivity, enabling you to complete your work perfectly and productively.

With ECONOMIZER, TanGO and ~~ASPHALT-MANAGER~~ we have once again set new standards and demonstrated that real innovation always meets a need: not just what is technically feasible: practicality means progress.

APPENDIX C



With an operating weight of 15,000 lb and above, BOMAG tandem rollers are the first choice for many applications. With cab or ROPS, productivity and operating comfort is always there.

Trust in the expertise of our engineers and the strength of our sales and service network. Trust in proverbial BOMAG quality. Because at BOMAG we concentrate on just one target: enhancing your productivity.



APPENDIX C

FIVE GOOD REASONS TO CHOOSE BOMAG.

1

MAINTENANCE: FAST!

Daily maintenance is essential and with EasyService all maintenance points can be easily reached from the ground. And without any grease nipples.

5

ECONOMY: OUTSTANDING!

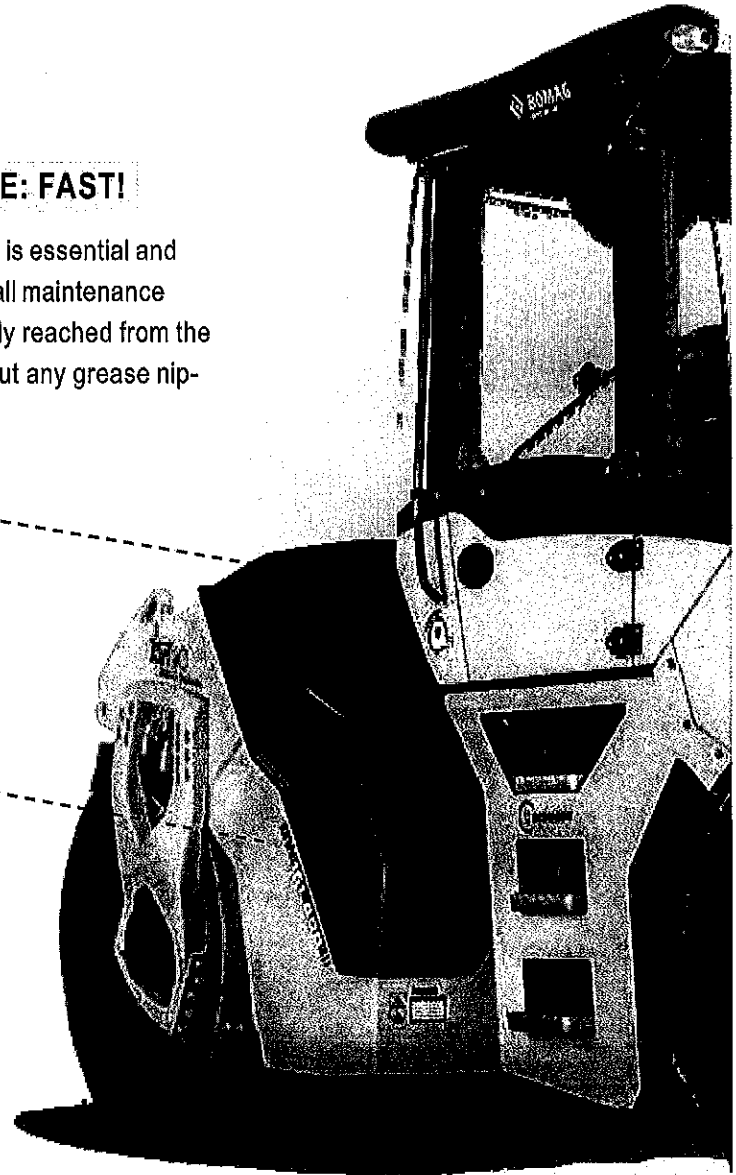
ECOMODE provides load-dependent and economical working without high engine speeds. Giving excellent fuel economy and maximum efficiency on every type of road construction project.



4

VIBRATION: THREE CHOICES!

Only BOMAG tandem rollers offer you three vibration systems. With double vibration, TanGO and ASPHALT MANAGER you have three technologies to choose from.



APPENDIX C

A black and white photograph of a BOMAG roller. A large, bold number '2' is positioned to the right of the machine's cab. A dashed line originates from the number and points towards the driver's window and controls area.

2

THE DRIVER'S STATION: OPTIMISED!

BOMAG always considers the roller driver. His work place provides the best view and offers space and operating comfort at the highest level. This ensures good workmanship and efficiency.

A black and white photograph of a BOMAG roller. A large, bold number '3' is positioned to the right of the machine's drum. A dashed line originates from the number and points towards the large compaction drum.

3

COMPACTION: RIGHT FIRST TIME!

Simple and reliable compaction thanks to ECONOMIZER and BCM. Unnecessary passes are avoided, compaction is accurately documented. Optimal compaction is so easy.



APPENDIX C

YOUR CHOICE.

Each application is different – all construction sites come with new challenges. This is why the right philosophy is not what matters in asphalt compaction, but the right technology! With BOMAG you can choose how to match your operation and your work. We always have the right technology at hand for every application. And all from one source.

TanGO
...BOMAG-Oszillation

ASPHALT-MANAGER
VIB

OUR STANDARD: DOUBLE VIBRATION

With two amplitudes and individually operable drums, this technology covers a wide range of applications on many projects. Proverbial BOMAG quality goes without saying and our equipment specs meet every requirement.

FOR SENSITIVE WORK: TanGO

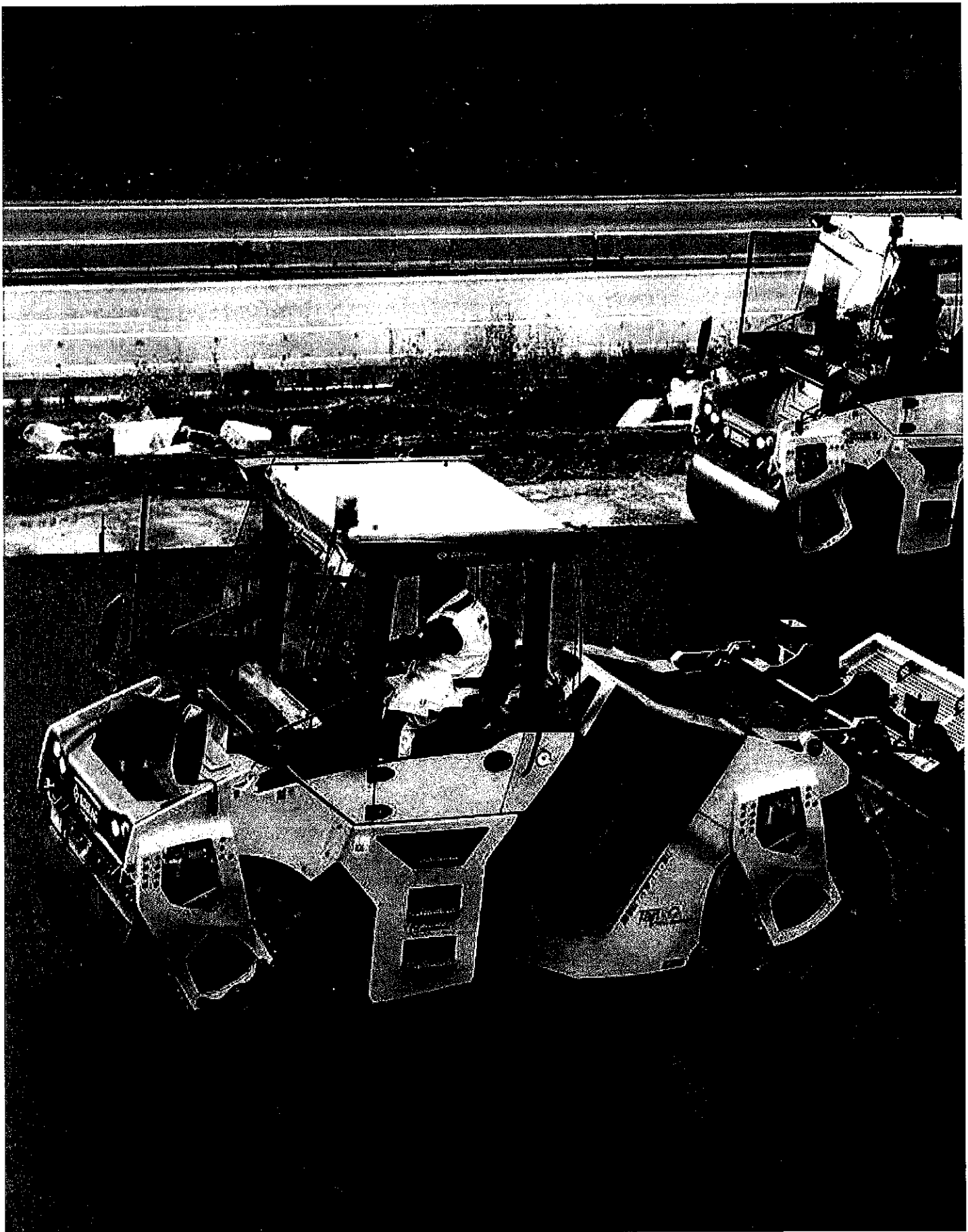
Wherever careful compaction is required, TanGO oscillation from BOMAG is the answer. The high wear-resistant drums and a factory warranty of 8,000 operating hours always put you on the safe side.

NO MORE GUESSWORK: ASPHALT-MANAGER

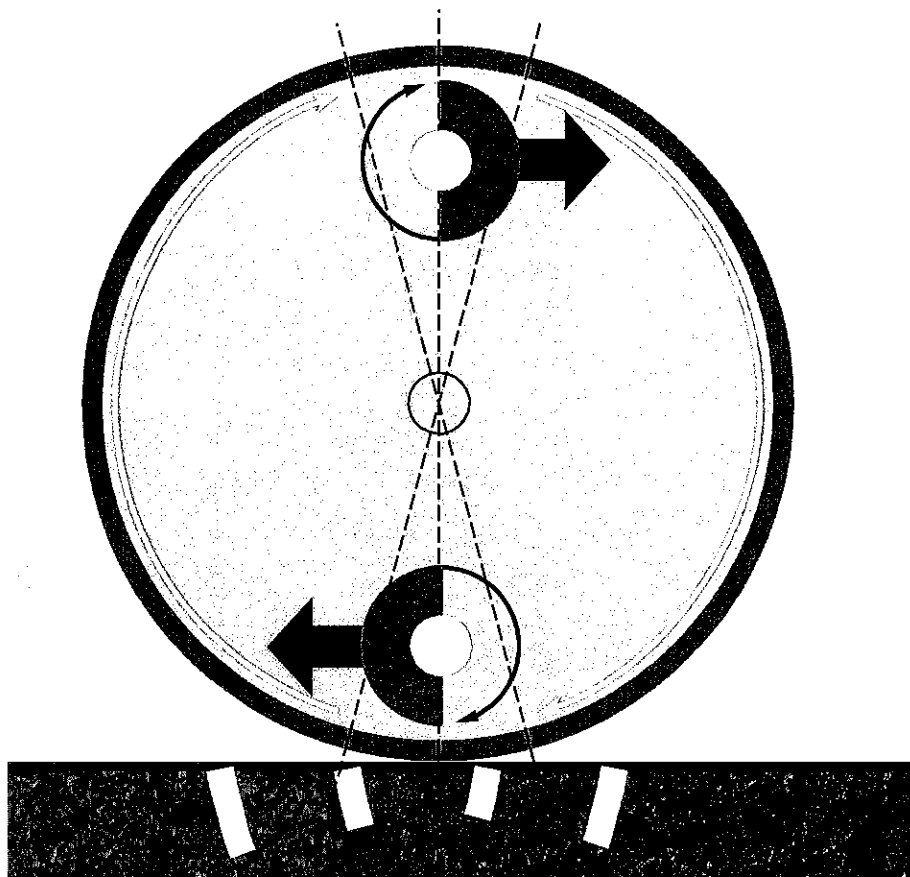
Exclusively from BOMAG. This is a Manager that you really can trust. Dial in the layer thickness and off you go. Everything is controlled and monitored by the ASPHALT-MANAGER: material, degree of compaction, temperature, control of the direction of compaction. The driver just concentrates on the rolling pattern and converses with colleagues on interconnected rolling operations.



Which manufacturer offers a choice of three vibration systems? BOMAG. Because BOMAG knows exactly what every contractor wants.



APPENDIX C



THE TECHNOLOGY FOR SENSITIVE ROLLING: TanGO.

360°
TECHNOLOGY

TanGO is the answer when sensitive compaction is needed:

SIMPLE TO USE

TanGO compacts risk-free e.g. on seams, on bridges or near buildings. And even better, TanGO is simple to operate: it comes with only one amplitude, which is optimised for all applications.

ALWAYS CAREFUL

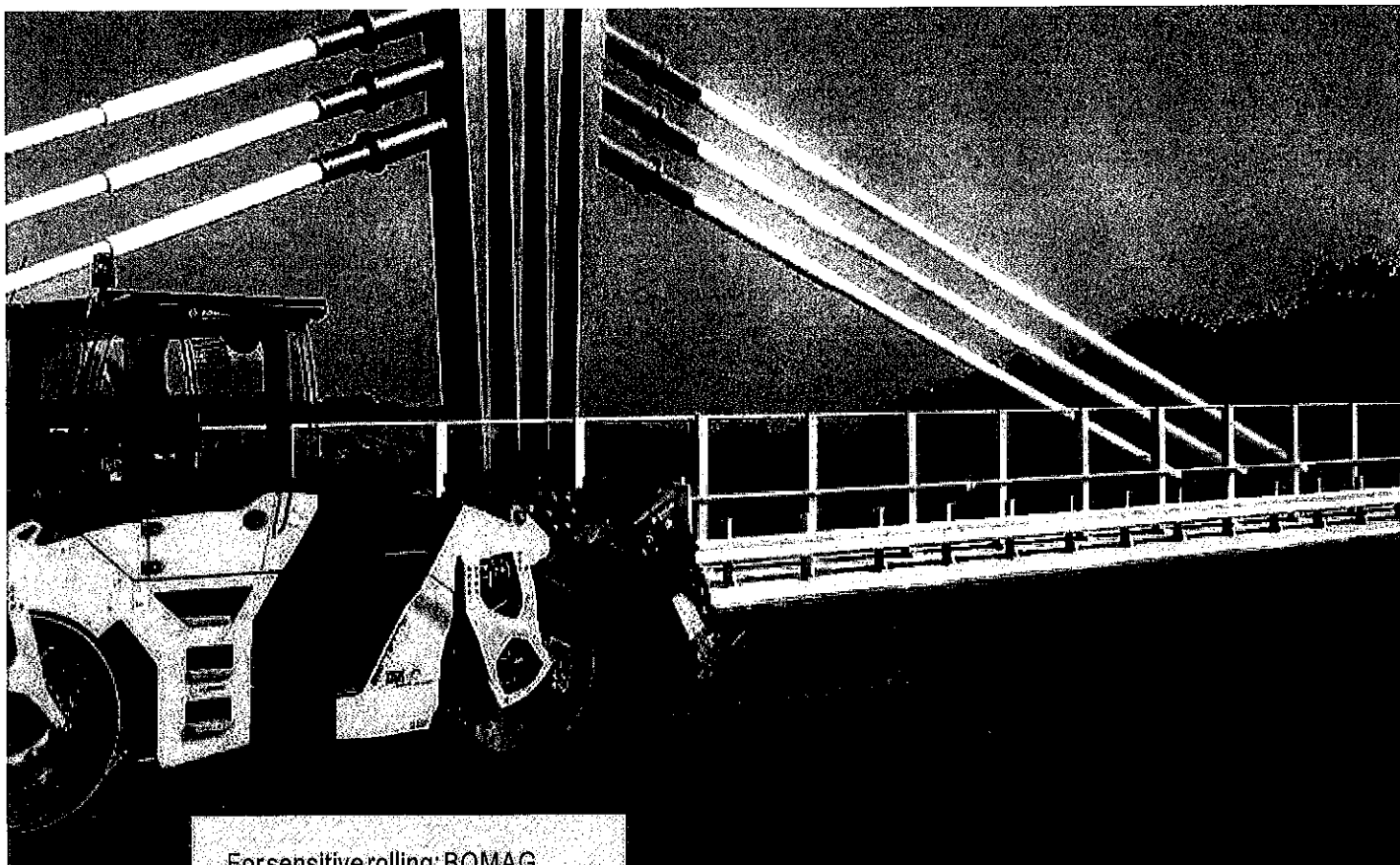
BOMAG tandem rollers with TanGO always compact with care. The drum cannot bounce, TanGO always works tangential to the surface. This has two advantages:

on one hand there is no crushing of aggregate; on the other hand no bow waves are created, even when working at higher working speeds. The TanGO drum is in the rear of the machine, so the front vibrating drum can be used for thicker layers or so the front vibrating drum can be used for thicker layers or for applications where additional conventional compaction would be beneficial.

THE CONCEPT

TanGO compaction uses two exciter shafts rotating in the same direction, so that a torque is generated around the drum axis. The drum quickly keeps alter-

APPENDIX C



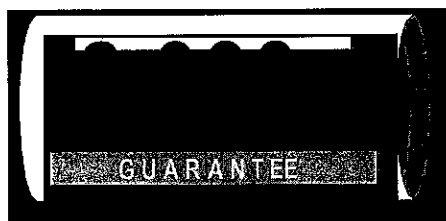
For sensitive rolling: BOMAG tandem rollers with TanGO oscillation. Careful compaction on seams & bridges.

nating its effective direction tangentially to the contact surface (forwards and backwards). The mat is actually compacted with double frequency.

HIGHEST QUALITY

Others talk about quality. BOMAG guarantees quality: the TanGO drum is made of highly wear-resistant fine grain steel. So BOMAG can guarantee a lifetime of at least 8,000 hours. Others can only be amazed ...

TanGO
...BOMAG-Oszillation

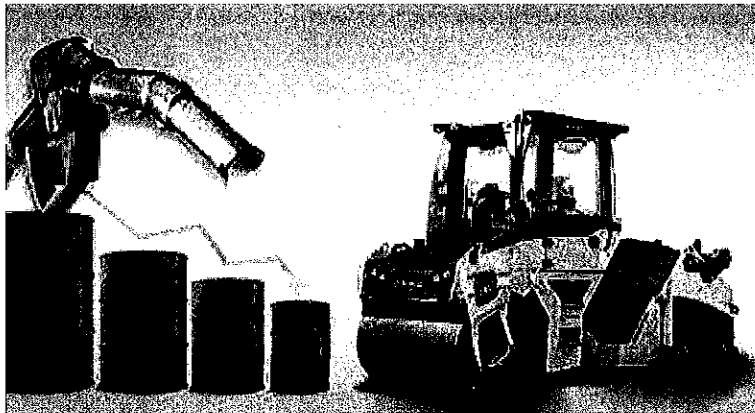


Compared with conventional oscillation rollers, TanGO consumes less fuel. Because BOMAG makes such good use of physics, the unbalanced masses are arranged towards the outside, reducing inertia forces and requiring less energy.

APPENDIX C

SAVING WITH EVERY PASS.

Fuel costs are one of the major items in the calculation of operating costs for any machine, because over its lifetime, in most cases, they will exceed the purchasing price. BOMAG engineers have addressed this with BOMAG ECOMODE, an energy efficiency system, which saves significant gallons of fuel per year – every year. This reduces the operating costs and aids the environment.



THE ADVANTAGES:

- ❑ Load-dependent engine speed control saves up to 30% fuel
- ❑ Less noise eases stress on the driver and environment
- ❑ Idle speed shut-down reduces wear and operating costs and increases resale values

SMART CONTROL.

Conventional rollers always work with full engine speed to reach vibration frequency. BOMAG ECOMODE controls the engine in relation to load to give the exact actual power needed. The vibration frequency is maintained at a constant level by infinitely adjusting the hydraulic components. This keeps the overall system within the optimum power range and fuel consumption is reduced, without losing power and productivity. A positive side effect: with reduced speed the machine works more quietly. This is not only beneficial for the crew on site, it has a positive effect on acceptability of urban projects.

SMART SHUT DOWN.

BOMAG ECOSTOP shuts the engine down after a defined period of time at idle speed with consideration for parameters like temperature, battery, etc. Unnecessary fuel consumption is avoided and the operating hour meter stays low.

ENVIRONMENTAL PROTECTION AS STANDARD.

Depending on the power class, SCR catalysts and/or particulate filters are being used to reduce pollutants. Maintenance is minor, because the filter regenerates automatically during operation. No action is required from the driver. In models with SCR- catalyst, the tank capacity for the additive (AdBlue®) is rated so that it only needs to be replenished about every third refueling.

APPENDIX C

WAIT NO LONGER!

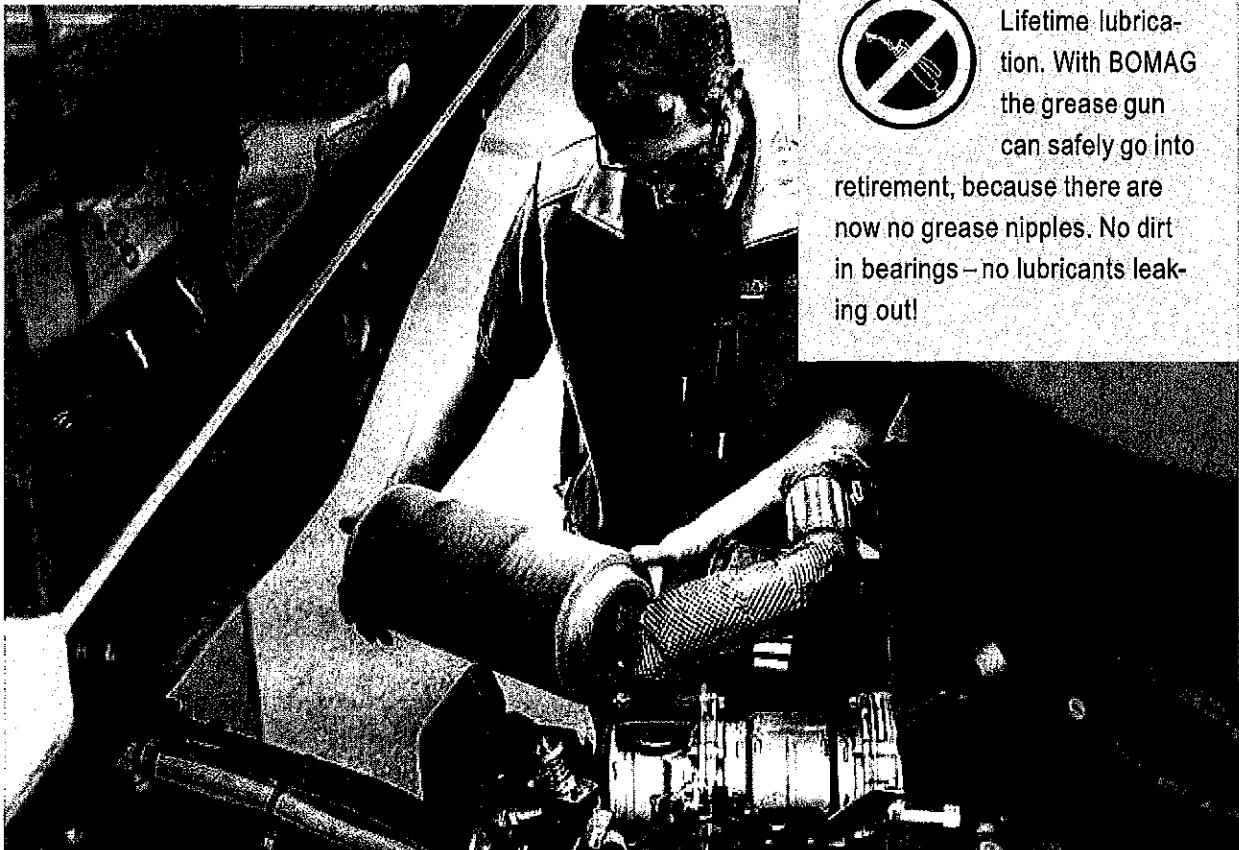
BOMAG tandem rollers are efficient to service because the easiest and most cost effective service is one that is not necessary. So BOMAG tandem rollers don't need a single grease nipple.

BOMAG engineers always have practical use in mind. Experience has shown that the BOMAG EasyService concept with no grease nipples maximizes reliability. Special bearings with hermetic sealing and a permanent high-quality grease filling guarantee reliable lifetime lubrication. And, another side effect, the machine stays clean.

BOMAG EasyService also means easy access to all maintenance points, which can be comfortably reached from the ground. The single-unit hood made of composite material with strong gas springs swings up readily and reveals the entire engine compartment. All fluids can be reliably and neatly drained through external drains.



Easy refilling with a folding step.



Lifetime lubrication. With BOMAG the grease gun can safely go into retirement, because there are now no grease nipples. No dirt in bearings – no lubricants leaking out!

APPENDIX C

GOOD WORKMANSHIP IS MEASURABLE.

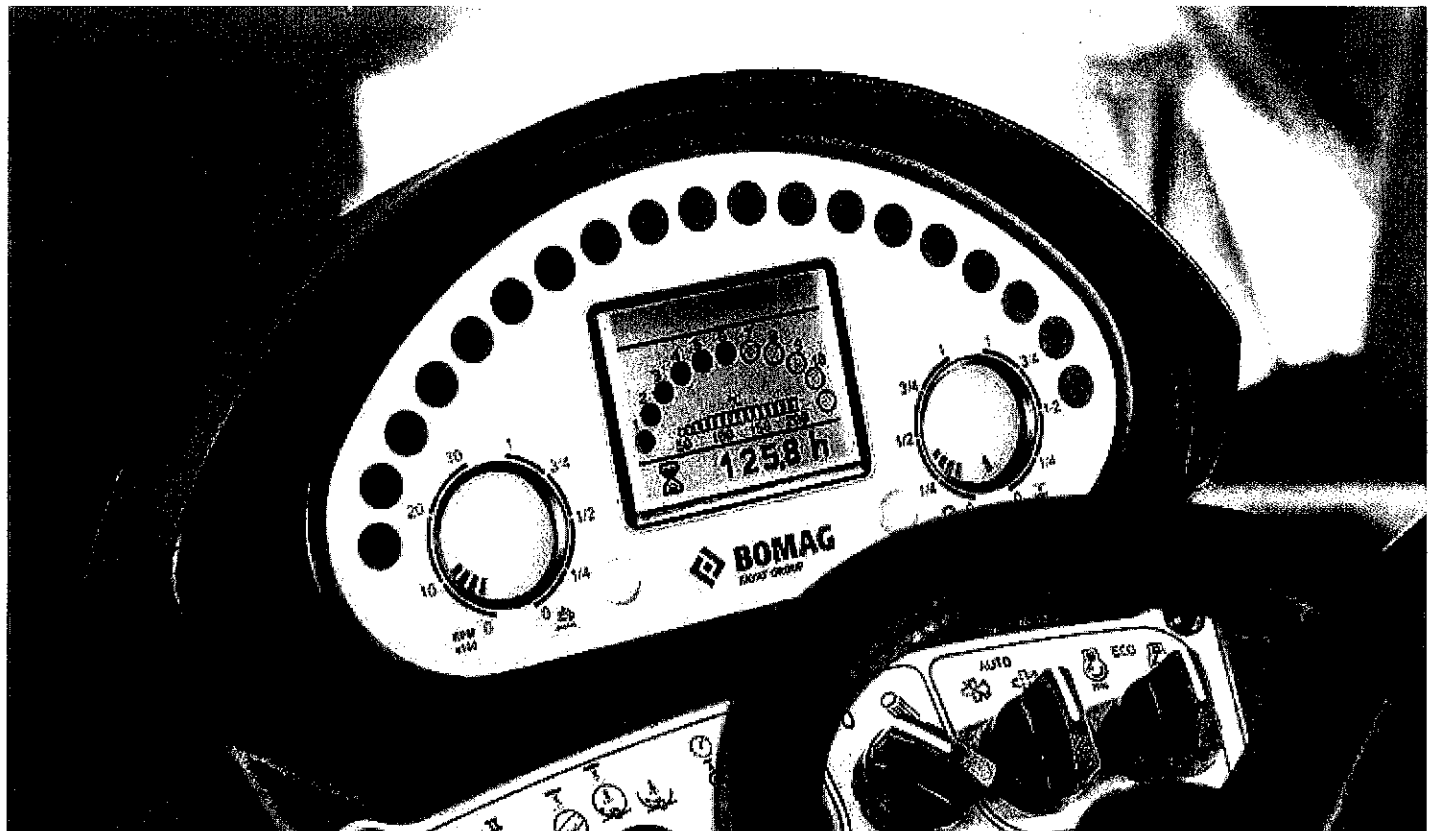
When has the right compaction for the material been reached? Only someone who knows the degree of compaction can make the right decision. Nowadays no one has the time and money to spend on unnecessary passes. BOMAG is a pioneer in measuring technology for compaction, which helps many operators to achieve optimum compaction results while still saving time and money. Minimum passes for maximum compaction.

A BOMAG DRIVER KNOWS WHEN COMPACTION IS FINISHED.

Unique in compaction technology: the ECONOMIZER from BOMAG, integrated in the central display, helps the driver achieve optimum compaction results. Operation is very simple because no activation or calibration is required. The ECONOMIZER automatically determines the compaction progress. A lighting strip informs the driver of the end of compaction, and avoids over-compaction. A warning light additionally indicates any risk of over-compaction. Also, the driver is informed about the optimum speed to use.

COMPACTION IS ACCURATELY DOCUMENTED WITH BCM: BOMAG COMPACTION MANAGEMENT

Many public tenders today ask for complete documentation of all works. BOMAG BCM (BOMAG Compaction Management) helps you to provide dependable documentation of the entire compaction process: a robust tablet PC in the cab and the BOMAG StarFire GPS-receiver are part of the BCM. Based on the GPS-data, the system generates continuous compaction charts in real-time.



APPENDIX C

THREE MODELS TO CHOOSE FROM

BOM-start

The driver is informed about the number of passes and the asphalt temperature. With a freely definable colour scale he immediately sees where further passes are required. Once compaction is finished, the compacted area appears in green and the driver can be sure that every area has been compacted. All data saved can be passed to the client or monitoring body as a pdf file. BOM-start is a convenient Plug&Play solution also for mixed fleets.

BOM-05

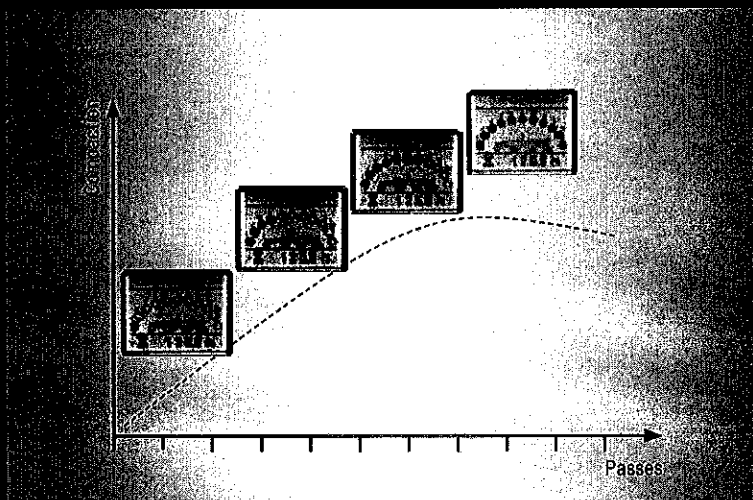
With BOM-05 the stiffness values E_{vis} in MN/m² measured by the ASPHALT-MANAGER are additionally documented. The E_{vis} value correlates with the asphalt density. This enables accurate work spot ana-

lysis and the reduction of other test methods. With BOM-05 the BOMAG ASPHALT-MANAGER becomes a real tool for quality assurance.

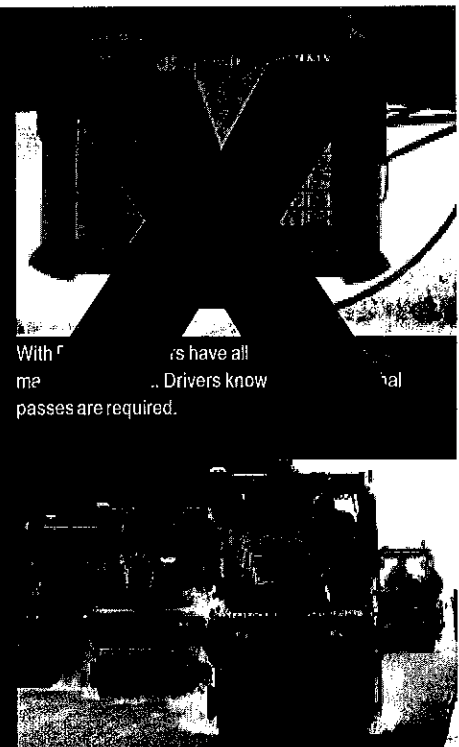
BOM-net

Asphalt rollers often work in interdependent operations. With BOM-net rollers are cross-linked with each other. Each driver is able to see the passes, temperatures and E_{vis} values (with AEM) of all machines in different colours in real time. This optimizes the rolling patterns, even if one roller is e.g. filling water tanks. With BOM-net all data is saved for later evaluation. And machines from different manufacturers can be integrated.

Reliable and effective documentation provides evidence of all work performed. BOMAG has these answers, because BOMAG knows how sites operate.

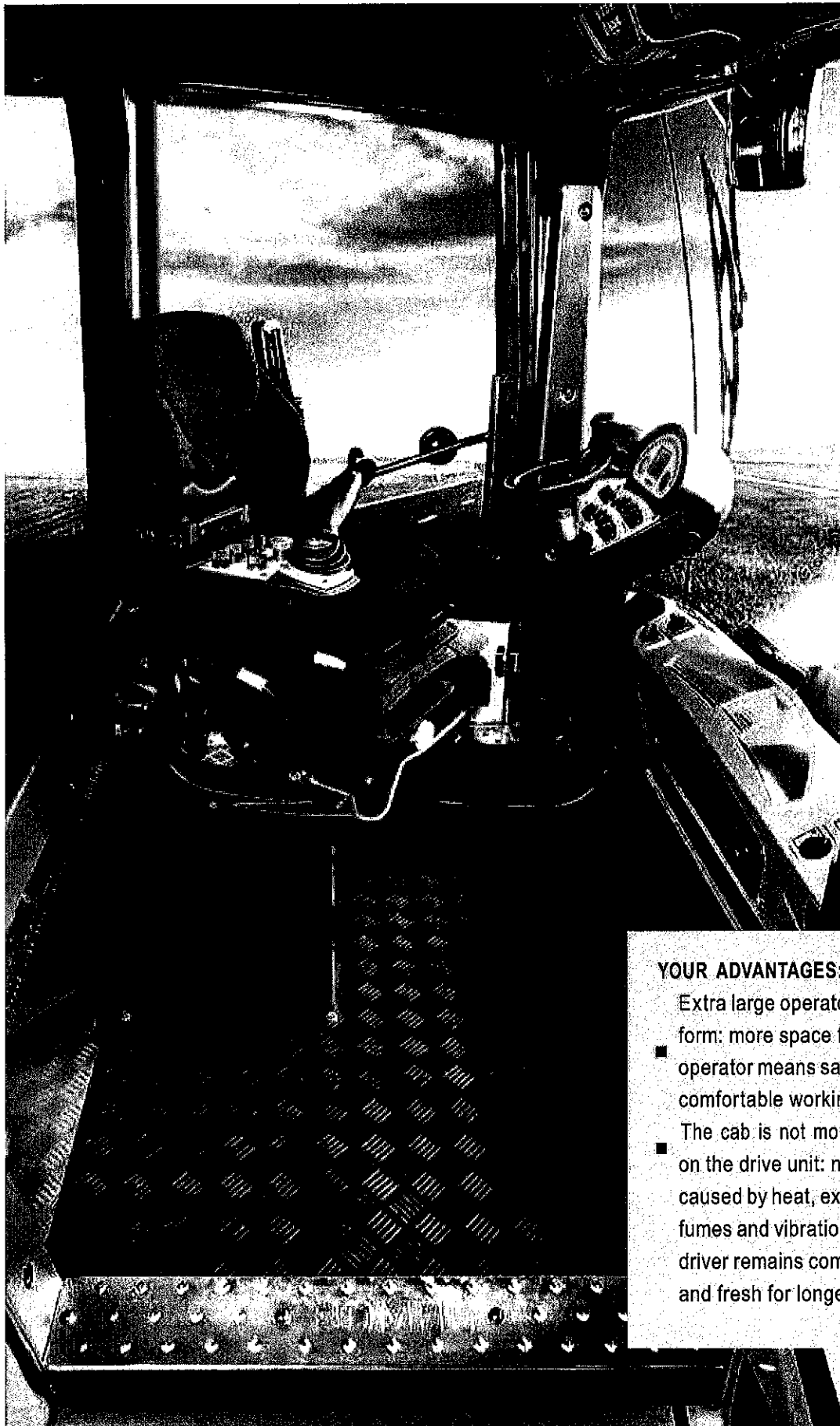


ECONOMIZER knows when full compaction is reached: The lighting strip shows the degree of compaction and warns of over-compaction.



With BOMAG, all machines have all the data. Drivers know exactly when full compaction is reached.

APPENDIX C



YOUR ADVANTAGES:

- Extra large operators platform: more space for the operator means safe and comfortable working
- The cab is not mounted on the drive unit: no loads caused by heat, exhaust fumes and vibrations. The driver remains comfortable and fresh for longer shifts.

APPENDIX C

SPACE TO WORK BETTER.

Any machine is only as good as its driver. In any BOMAG tandem roller the driver can feel at home. And satisfied drivers are more productive.

EXCELLENT VISION.

The smart design of BOMAG tandem rollers with sliding seat and folding window always gives an unobstructed view of the drum edges. The driver can work along walls without risk because no parts of the cab or roller project over the sides. He can also keep an eye on the sprinkling system and, with the optional outside mirrors, he has unrestricted all-round vision.

EXTRA SPACE.

The ample space ensures stress-free work, even over longer working days. The powerful heating, also optionally with air conditioning, provides comfortable temperatures and condensation-free windscreens. On BOMAG rollers, engine and cab are separated. The driver is not troubled by cab vibration, noise, heat or exhaust fumes.

ERGONOMIC CONTROL.

The seat unit with steering wheel, operating arm rest and instruments can be moved across the full width of the cab. The seat can swivel 90 degrees in each direction. This gives the driver optimum seat positioning at all times to operate the roller reliably and intuitively. BOMAG's attention to detail also shows here: the cab floor is completely flat and without openings for easy cleaning.

NO CONFUSION.

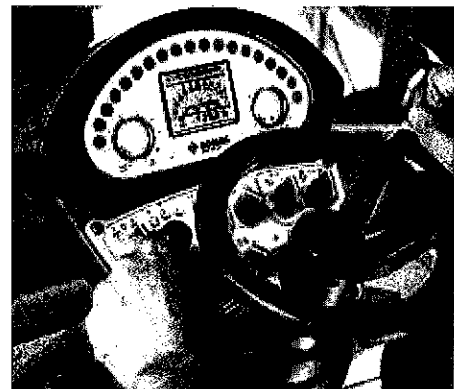
Safe operation even with different drivers: The self-explanatory operation is distinctly marked and the switch setting is always clearly identifiable. The displays indicate the operating status of the machine with clear symbols.



The driver's view and sliding seat ensure maximum comfort.



The driver's view and sliding seat ensure maximum comfort.

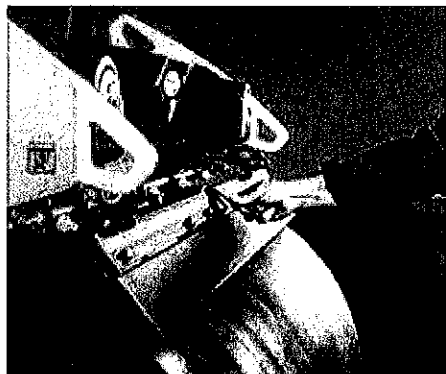


The driver always has all the essential displays safely in view. Operating the switches is simple and quickly becomes second nature.

APPENDIX C

THE DETAIL MAKES THE DIFFERENCE.

Many people build rollers. But only BOMAG build BOMAG rollers. We pay full attention to the small details, to make your work easier. Our engineers are where the action is, to learn from site practice. This knowledge can be found in all of our rollers. Well thought-out, with the highest quality and reliability. Because only BOMAG is BOMAG.



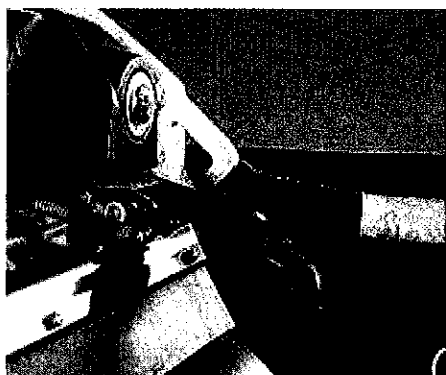
CLEANDRUMS.

Spring loaded, folding polyurethane contact scrapers ensure clean drums and optimum distribution of sprinkled water.



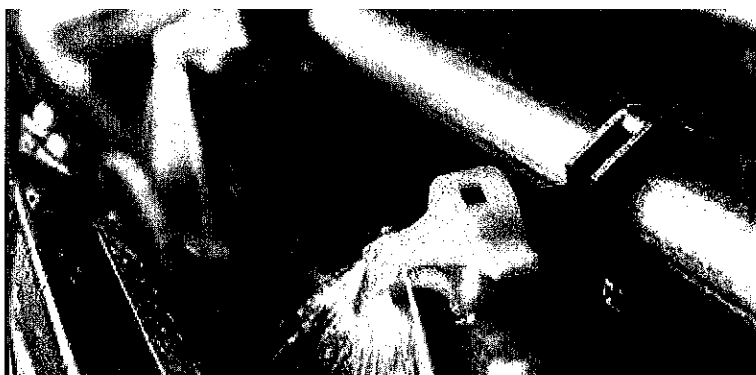
SHIELDED ELECTRICS.

For reliable current flow with no spark risk, all wiring looms are routed through nylon hoses. The central electrical system is installed in the cab, protected against water and dirt.



QUICK TRANSPORT.

Quick relocation off-site because the lashing eyes are amply dimensioned and easily accessible. The articulation lock is easy to operate.



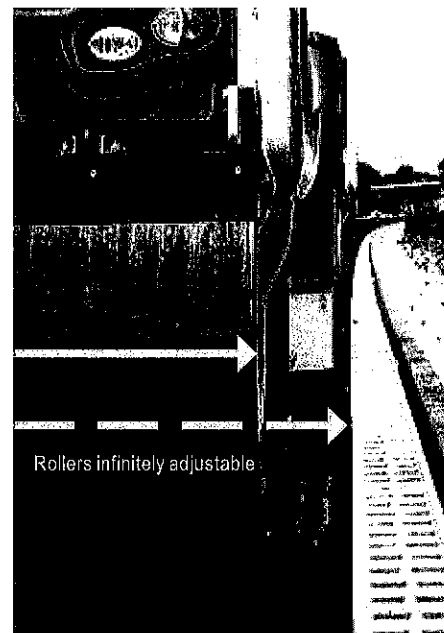
PERFECT SPRINKLERS.

The drum sprinkling system works with two independent pumps. With a high number of nozzles per working width and a filler strainer, the wind protected system and the perfect view of the nozzles maximizes reliability and performance. The interval function reduces water consumption. The low position of the water tanks enhances driving stability and tank drainage is simple and quick.

APPENDIX C

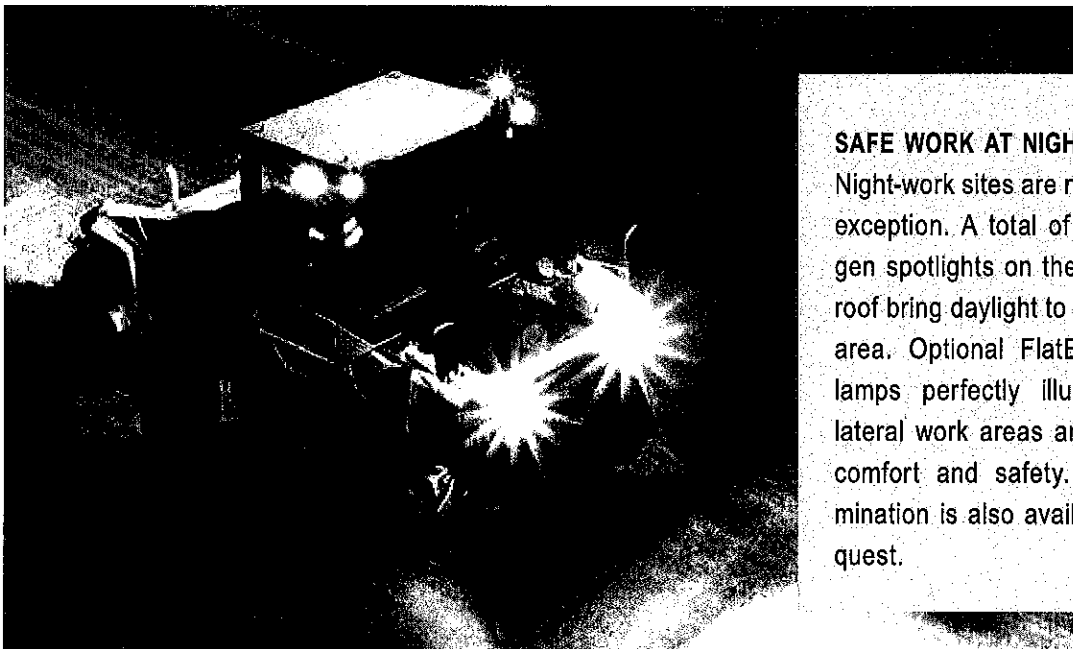
ON A WIDE TRACK.

For work along edges and to increase the working width, the optional crab-walk feature is used to offset drums by up to 6.7 inch on either side



EFFECTIVE FUEL FILTERING.

The two-stage fuel filter with water separator and service indicator ensures reliable fuel flow. The air filter has two filter cartridges as standard and two-stage mechanical separation. This reduces maintenance and enhances reliability.



SAFE WORK AT NIGHT.

Night-work sites are no longer an exception. A total of eight halogen spotlights on the frame and roof bring daylight to the working area. Optional FlatBeam LED-lamps perfectly illuminate the lateral work areas and enhance comfort and safety. Drum illumination is also available on request.

APPENDIX C



Model types	Working width [in]	Drum diameter [in]	Operating weight approx. [lb]*
BW 151	66.1	48.3	16,755.1
BW 161	66.1	48	22,046.2
BW 191	76.1	48	26,455.5
BW 191	76.1	53.1	29,762.1
BW 200	84.1	53.1	33,274.1

*) Operating weights with cab and basic equipment. Actual operating weight is dependent on equipment and accessories.
 Technical modifications reserved. Machines may be shown with options.

APPENDIX C



APPENDIX D

APPENDIX D



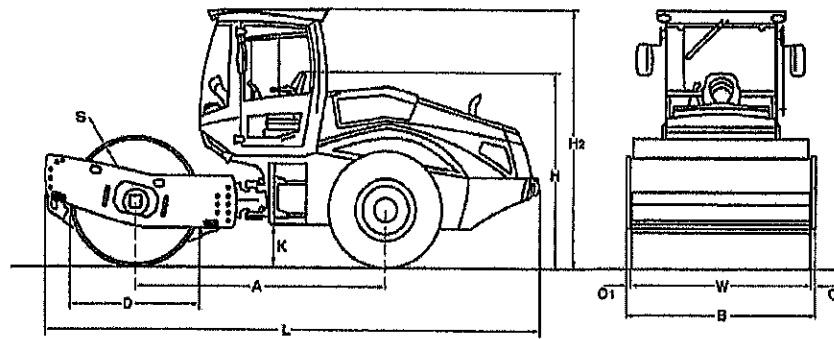
TECHNICAL DATA

SINGLE DRUM ROLLERS

~~BW 211 D-5~~, BW 211 PD-5



APPENDIX D



Dimensions in in

	A	B	D	H	H2	K	L	O1	O2	S	W
BW 211 D-5	117.1	89.4	59.1	89.0	117.7	19.3	231.1	2.8	2.8	1.0	83.9
BW 211 PD-5	117.1	89.4	58.3	89.0	117.7	19.3	231.1	2.8	2.8	1.0	83.9

Shipping dimensions in cub.yd

BW 211 D-5
BW 211 PD-5

without ROPS

39,405
39,405

with ROPS

52,112
52,112

Machine type	Compaction output (cub.yd/h)			
	Rock fill	Gravel, sand	Mixed soil	Silt, clay
BW 211 D-5	633.2-1046.4	353.1-706.3	287.7-575.5	143.9-287.7
BW 211 PD-5	523.2-1046.4	353.1-706.3	287.7-575.5	209.3-418.5

Machine type	Compacted layer thickness (in)			
	Rock fill	Gravel, sand	Mixed soil	Silt, clay
BW 211 D-5	27.6	19.7	15.7	7.9
BW 211 PD-5	27.6	19.7	15.7	9.8

APPENDIX D

Technical Data

Weights

Grossweight	lb	28,418	28,109
Operating weight CECE w. ROPS-cabln	lb	23,369	26,676
Axle load, drum CECE	lb	12,500	15,807
Axle load, wheels CECE	lb	10,869	10,869
Static linear load CECE	lb/in	149.1	

Dimensions

Working width	in	83.9	83.9
Track radius, inner	in	144.9	144.9

Driving Characteristics

Speed (1)	mph	0- 3.1	0- 3.1
Speed (2)	mph	0- 3.7	0- 3.7
Speed (3)	mph	0- 5.0	0- 5.0
Speed (4)	mph	0- 6.8	0- 6.8
Max. gradeability without/with vibr.	%	51/48	54/51

Drive

Engine manufacturer		Deutz	Deutz
Type		TCD 3.6 L4	TCD 3.6 L4
Emission stage		4/4	4/4
Cooling		Liquid	Liquid
Number of cylinders		4	4
Performance ISO 3046	hp	127.4	127.4
Performance SAE J 1995	hp	128.0	128.0
Speed	min-1	2,000	2,000
Fuel		diesel	diesel
Electric equipment	V	12	12
Drive system		hydrost.	hydrost.
Drum driven		standard	standard

Drums and Tyres

Number of pad feet			150
Area of one pad foot	sq.in		21.2
Height of pad feet	in		3.9
Tyre size		23.1-26 12PR	23.1-26 12PR

Brakes

Service brake		hydrost.	hydrost.
Parking brake		hydromec.	hydromec.

Steering

Steering system		oscil.artic.	oscil.artic.
Steering method		hydrost.	hydrost.
Steering / oscillating angle +/-	deg	35/12.0	35/12.0

Exciter system

Drive system		hydrost.	hydrost.
Frequency	vpm	1,800/2,040	1,800/2,040
Amplitude	in	0.077/0.039	0.067/0.035
Centrifugal force	lb	53,954/35,520	64,071/43,613
Centrifugal force	t	24.5/16.1	29.1/19.8

Capacities

Fuel	gal	66.0	66.0
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Technical modifications reserved. Machines may be shown with options.

APPENDIX E

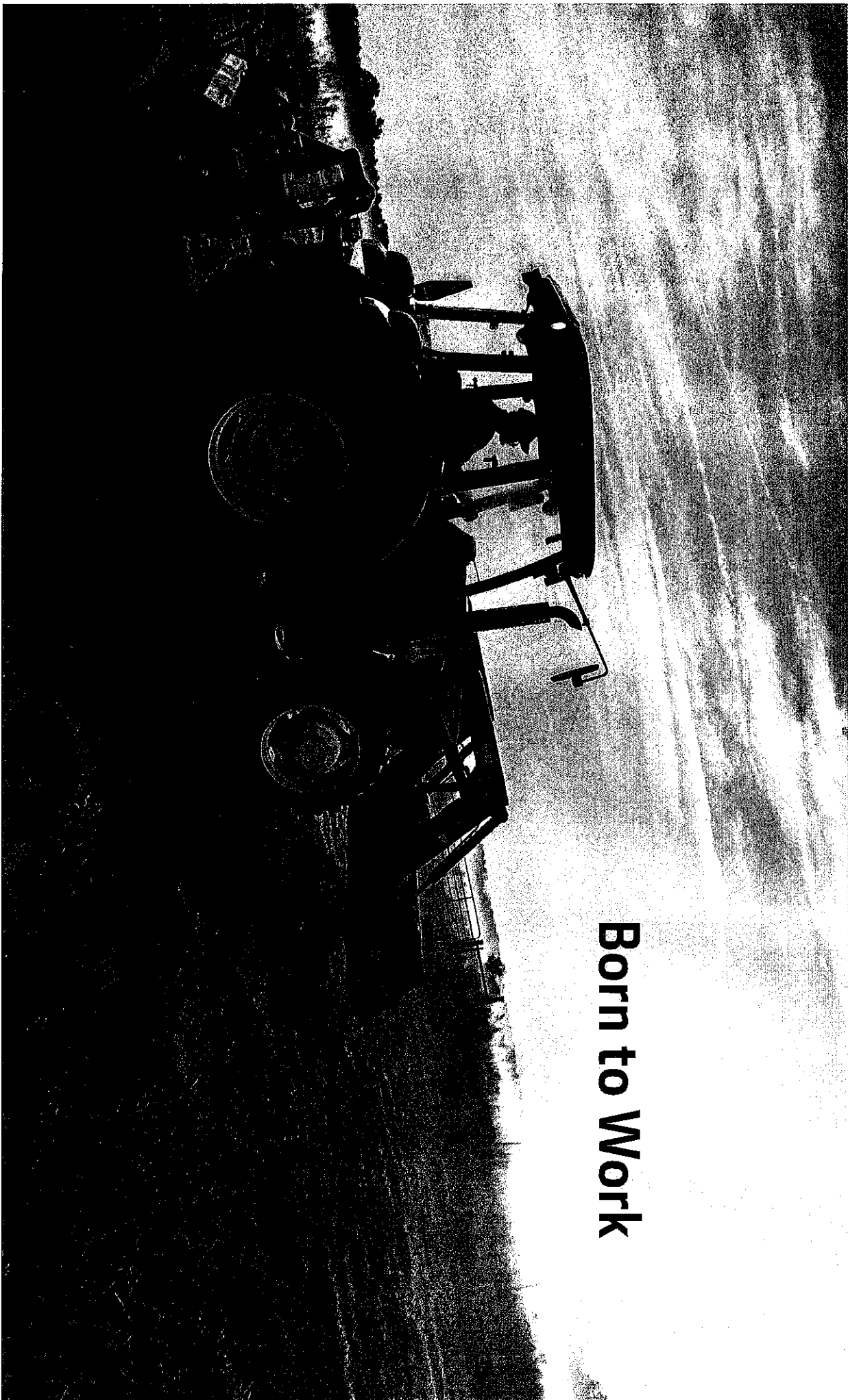
5E Utility Tractors

45 – 100 Horsepower Utility Tractors



JOHN DEERE

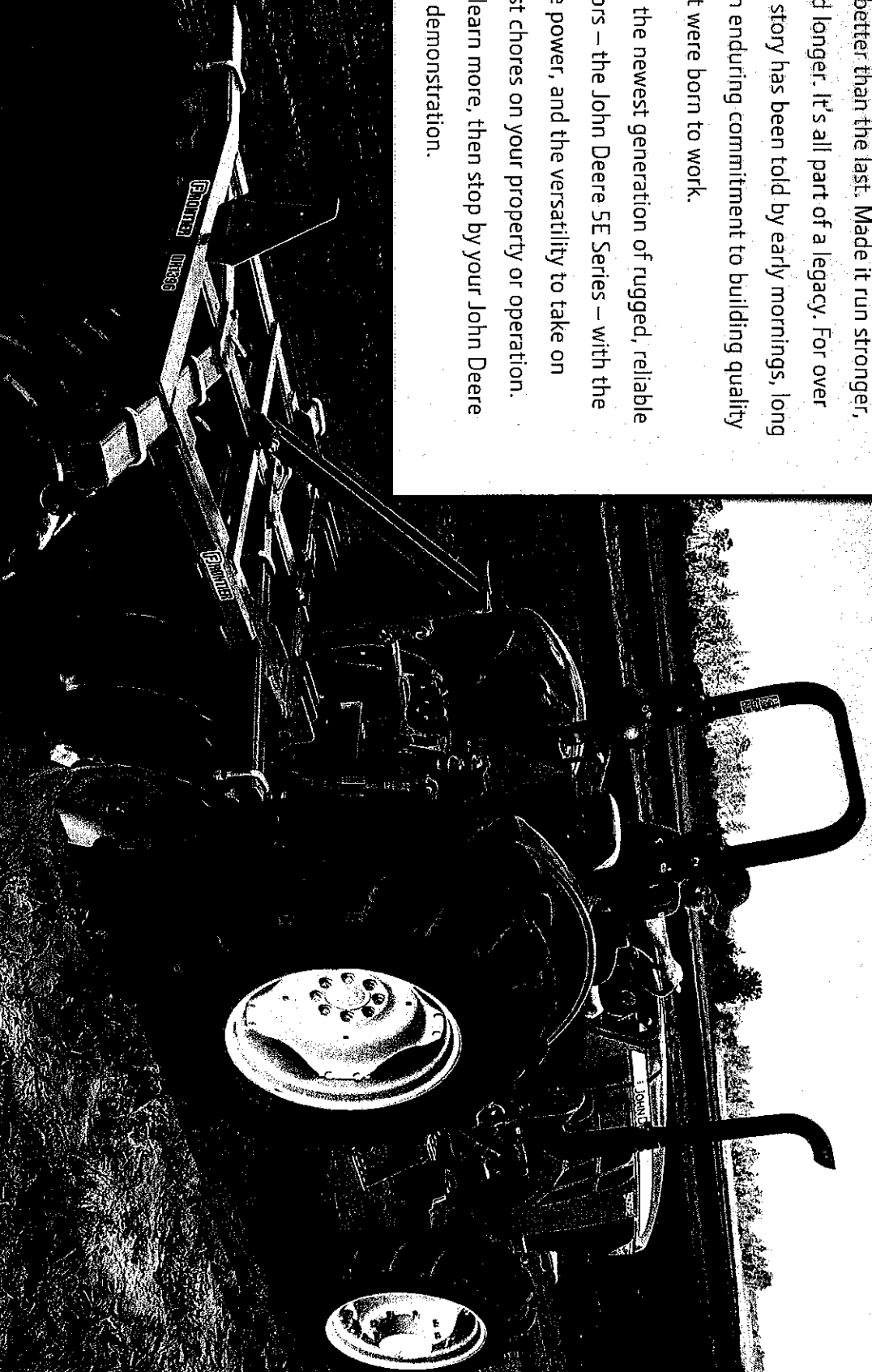
Born to Work

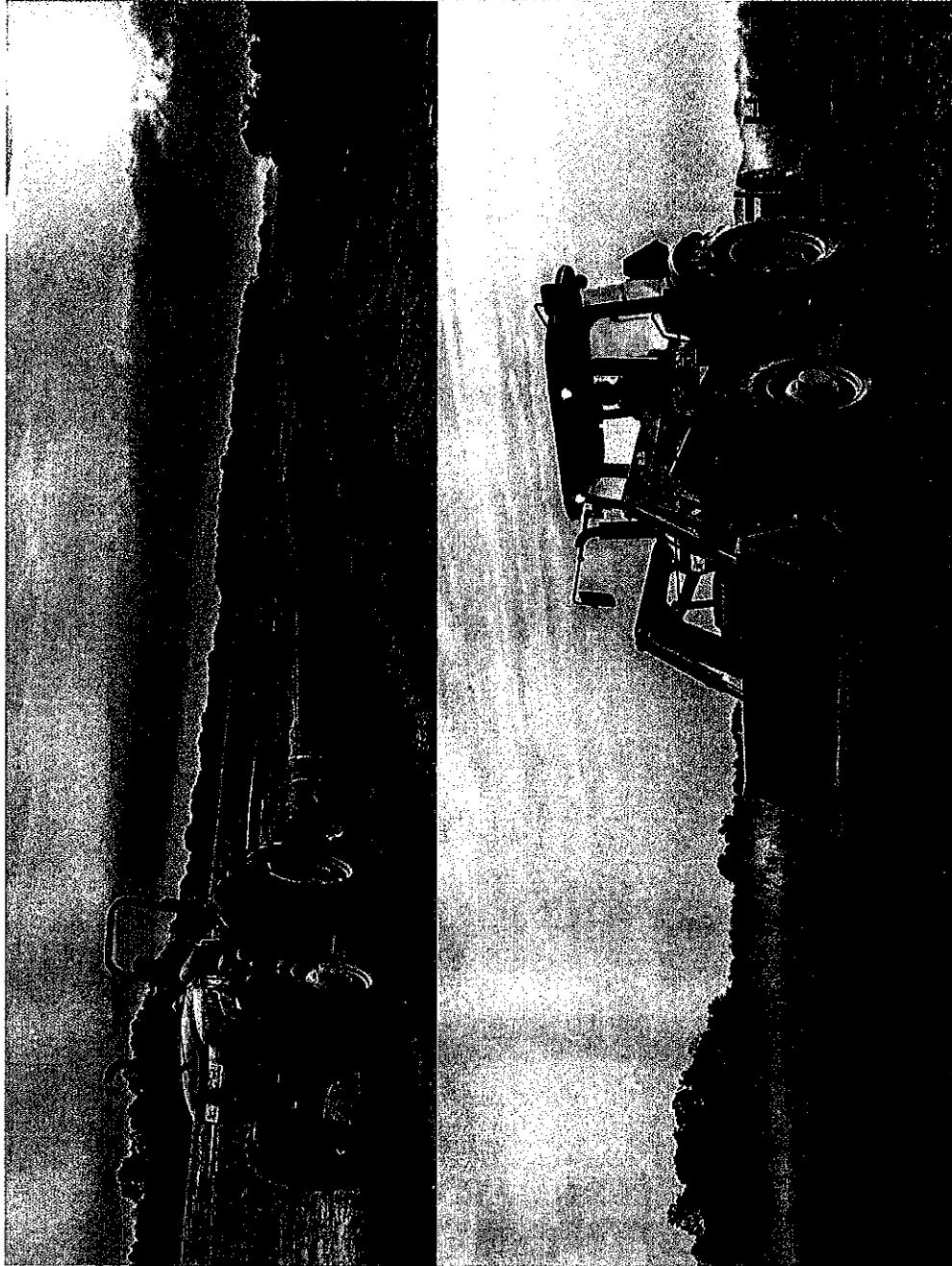


Heat, dust, sweat, cold, rain, mud;

it's all part of the John Deere story. Part of a long, rich history of working the land. It's a teacher. And everything we've learned has made each generation of John Deere equipment better than the last. Made it run stronger, smarter, and longer. It's all part of a legacy. For over 175 years a story has been told by early mornings, long days, and an enduring commitment to building quality tools ... that were born to work.

Introducing the newest generation of rugged, reliable utility tractors — the John Deere 5E Series — with the options, the power, and the versatility to take on the toughest chores on your property or operation. Read on to learn more, then stop by your John Deere dealer for a demonstration.





CONTENTS

Introduction	2-3
5E Series	4-11
Attachments / Frontier / Loaders	12-13
Specifications	14-15

The 5E Series

3-CYLINDER MODEL	ENGINE HP	PTO HP*
5045E	50	37
5055E	53	41
5065E	67	49
5075E	73	57
4-CYLINDER MODEL	ENGINE HP	PTO HP*
5085E	85	70
5100E	100	85

*5045E PTO horsepower at rated speed Open Station with 9F/3R SyncShuttle™ Transmission. 5055E, 5065E, 5075E PTO horsepower at rated speed Cab with 9F/3R SyncShuttle™ Transmission. 5085E and 5100E PTO horsepower at rated speed Cab with 12F/12R PowrReverser™ Transmission.

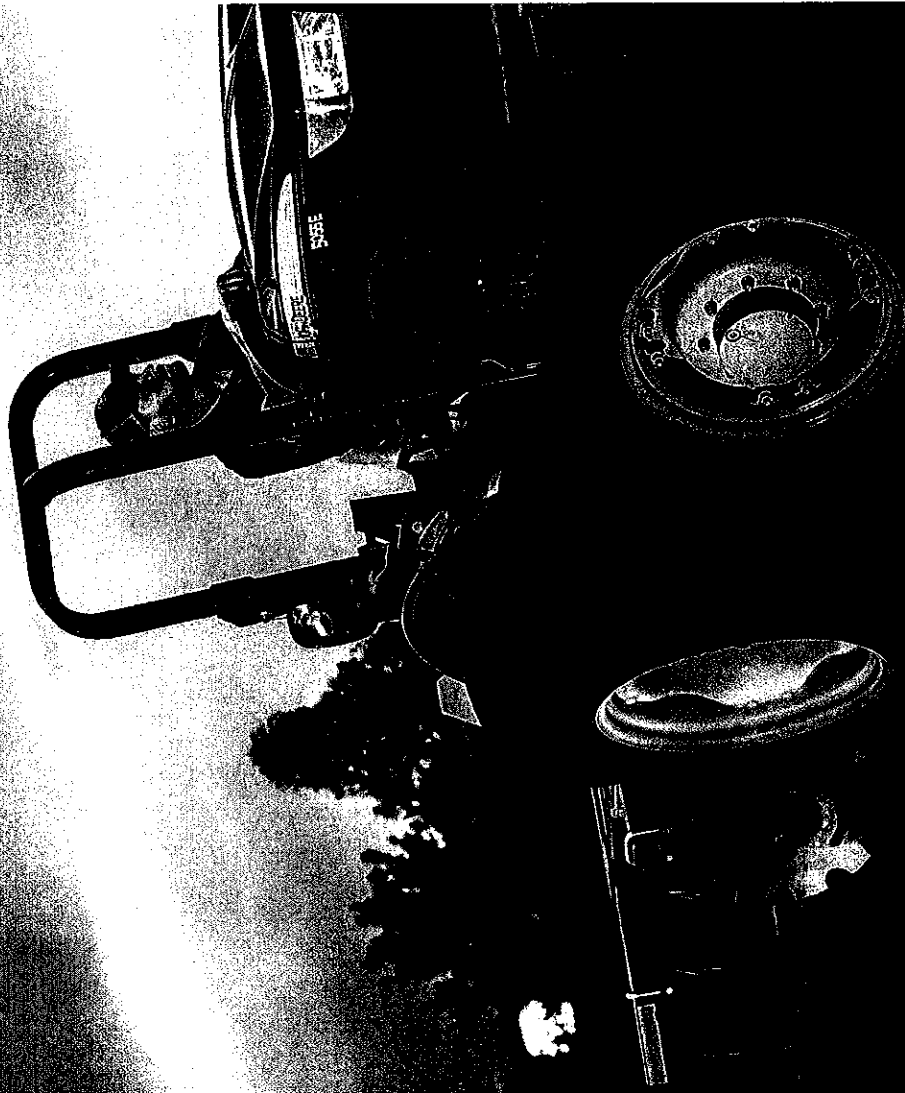
The 5E Series Born to work

Meet the 5E Series by John Deere... six models, 45-100 horsepower, open station and cab options, and Final Tier 4 compliant engines, these utility tractors are truly born to take on tough tasks and keep coming back for more.

The 5E series in total now has 3 transmission options, 9F/3R SyncShuttle™ and 12F/12R PowrReverser™* in the 5E 3 cylinder machines, and 12F/12R and 24F/12R PowrReverser transmission in the 5E 4 cylinder machines.

Now you can have the rock-solid performance and versatility you expect in a John Deere — all at a price you might not.

*Not available on 5045E.



Born to work... and work... and work

Built Tough. For Every Job. And Every Season.

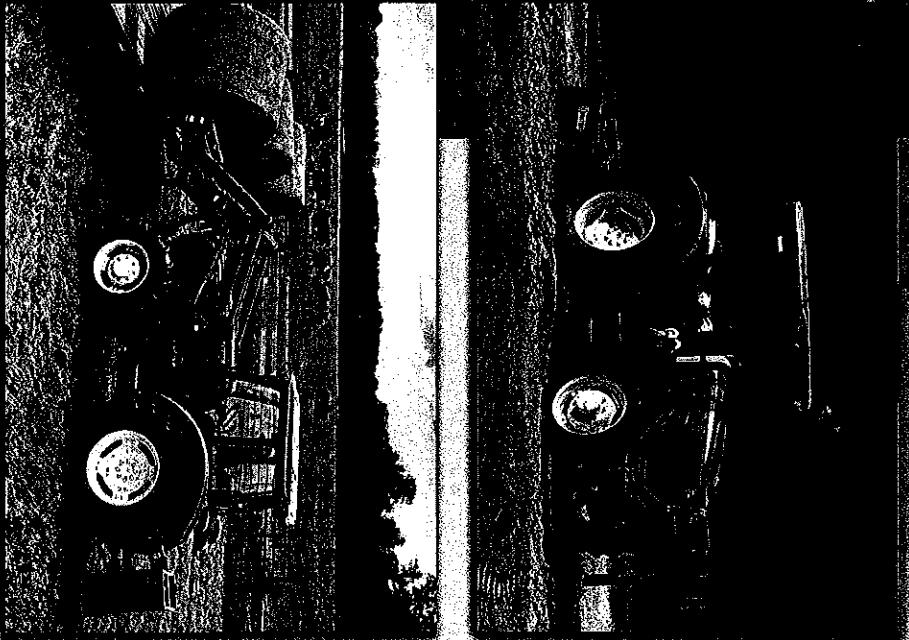
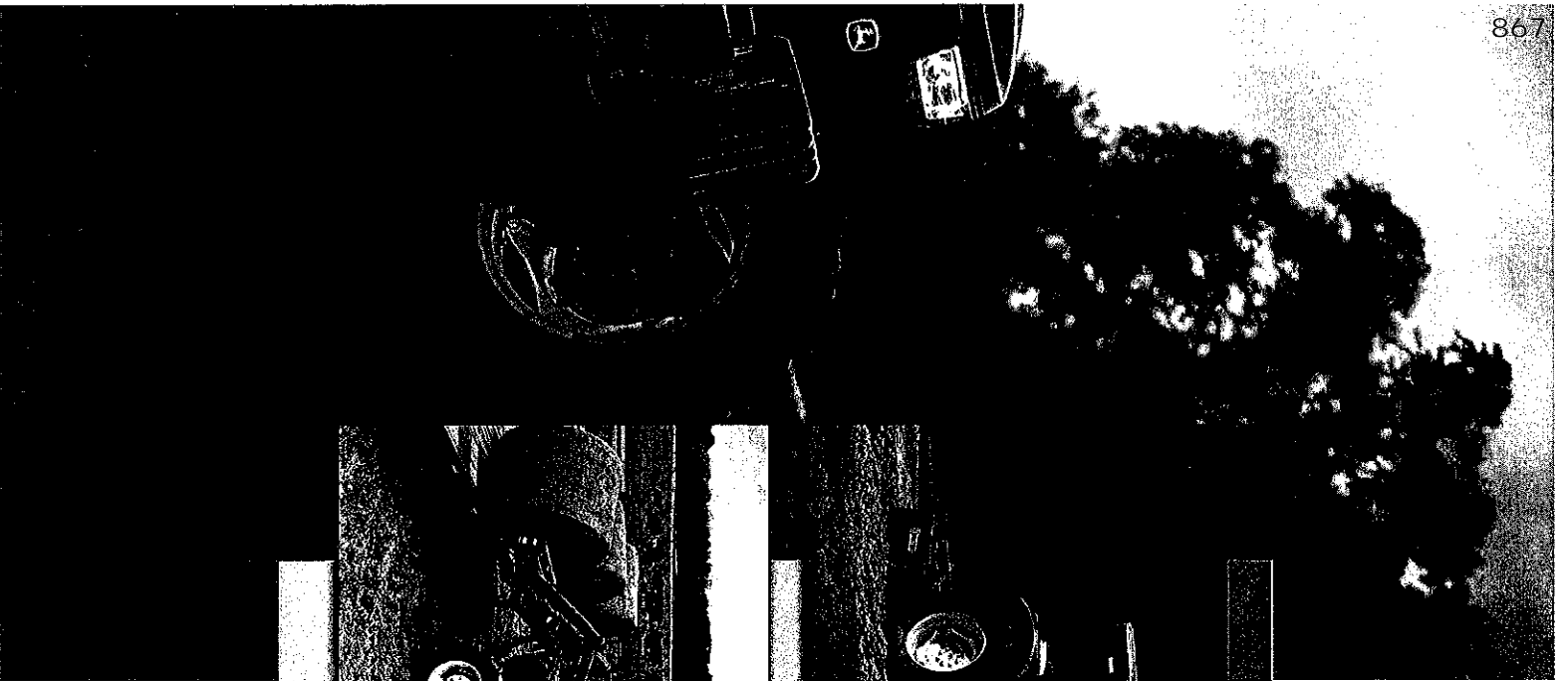
For lifting and loader work, rotary cutting, snow removal — even in hostile weather conditions... conquer it all with the John Deere 5E Series.

If you thought you knew the 5E Series, take another look. You'll find new standard features and options that combine to create a full lineup of mid-spec machines that truly sits in a class of its own.

With 9F/3R SyncShuttle and 12F/12R PowReverser available on 55-75 horsepower models and a 12F/12R PowReverser and 24F/12R PowReverser transmission available on 85 and 100 horsepower models you'll have easy directional control (forward and reverse) and speed-matching for any application.

The comfortable open station configuration comes standard, or opt for the climate-controlled cab on 5055E and higher horsepower models. No matter how you configure the new 5E Series, impressive can-do comes built right in.

Explore the new 5E Series and discover for yourself exactly what it means to be born to work.



5E Series | 45–75 horsepower

Born to work. On your property. Within your budget.

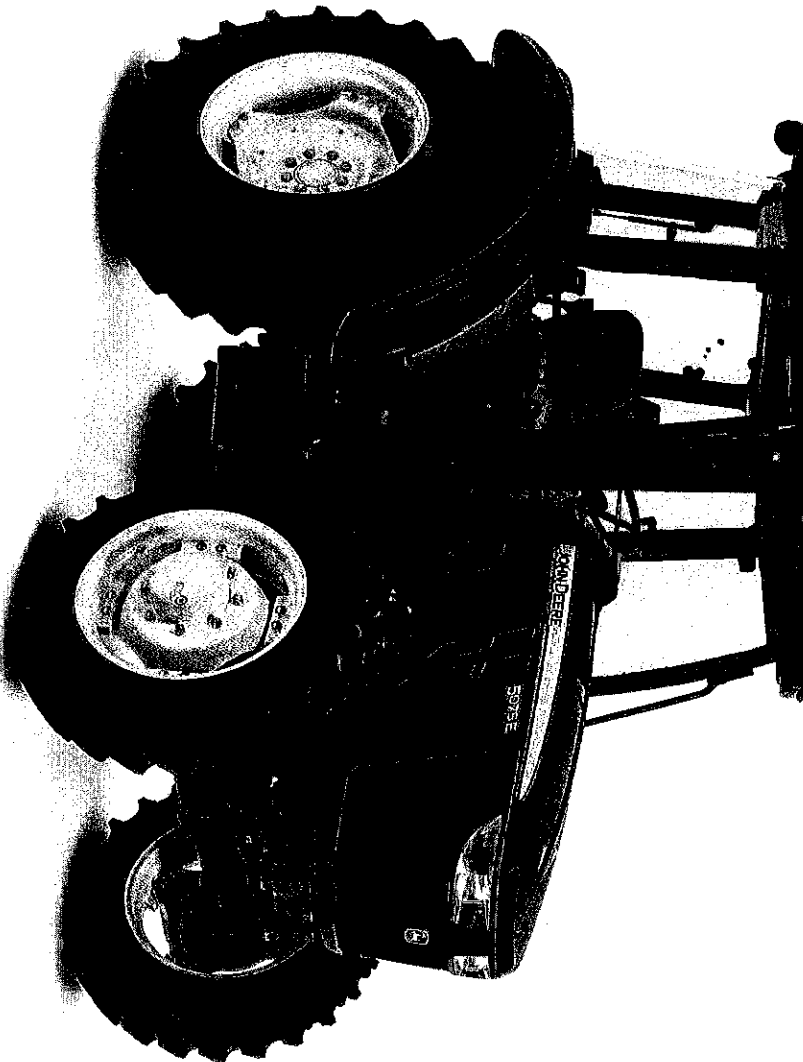
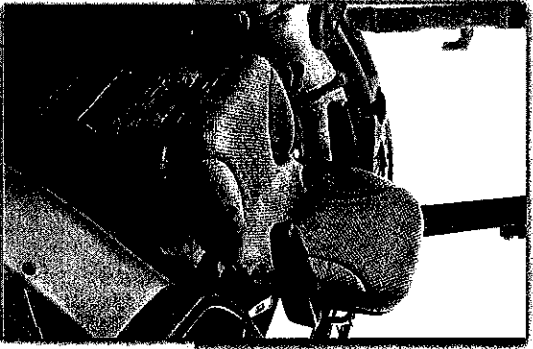
45–75 horsepower 5E Series

Trying to find the perfect fit for your property or operation? It's as easy as climbing into the seat of the 45 to 75 horsepower 5E Series. You want options? You've found them. You can choose 2WD or 4WD. An open station, or a climate-controlled cab (55–75 hp models). The 9F/3R SyncShuttle™ transmission or the 12F/12R PowReverse™ (55–75 hp models). Why so many options? Because a job well done starts with the right tools. And with the 5E Series, it's easier than ever to customize your machine to fit your needs, AND your budget.

Handle rotary cutting chores, tackle loader work like moving gravel or dirt, or choose one of hundreds of compatible implements and attachments like post-hole augers, rear blades, box blades, wood chippers, or land planes, and get to work. Your property will thank you.

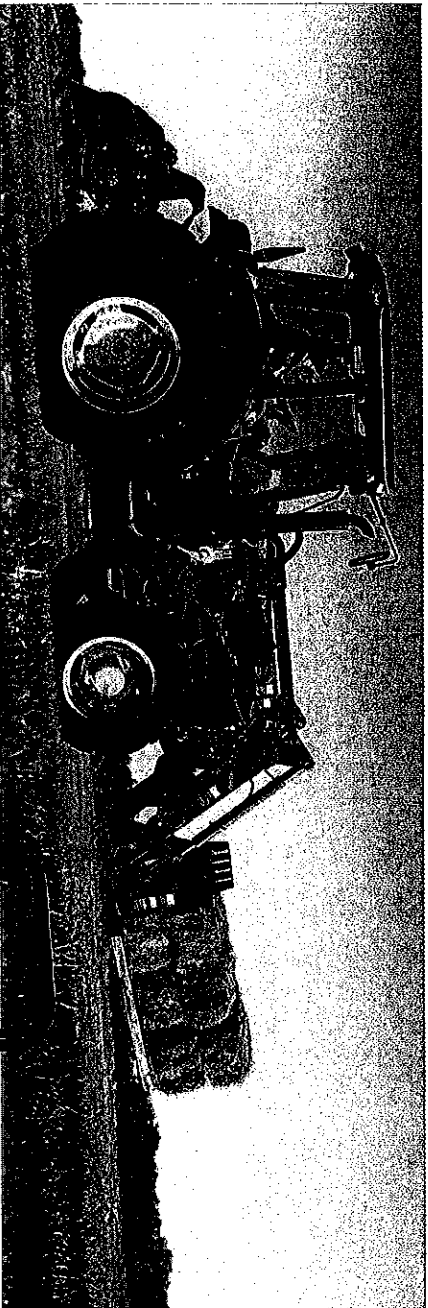
Capable without compromise ... That's what the 5E Series is all about.

Choose the climate-controlled cab option (not available on 5045E) and work in comfort all year long. Ergonomic seat and easy-to-reach pedals, levers, and joystick leave you relaxed and in control, even after hours of operating. The new integrated 12V charger keeps your devices running all day long.



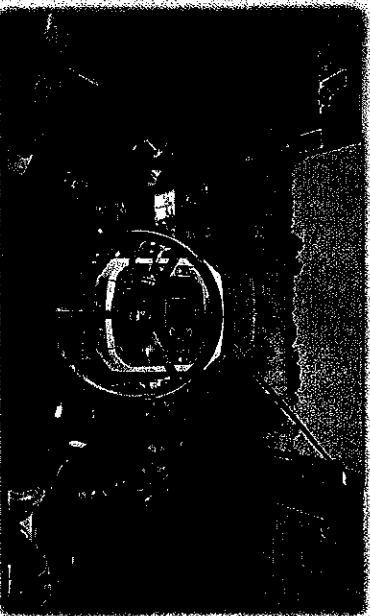
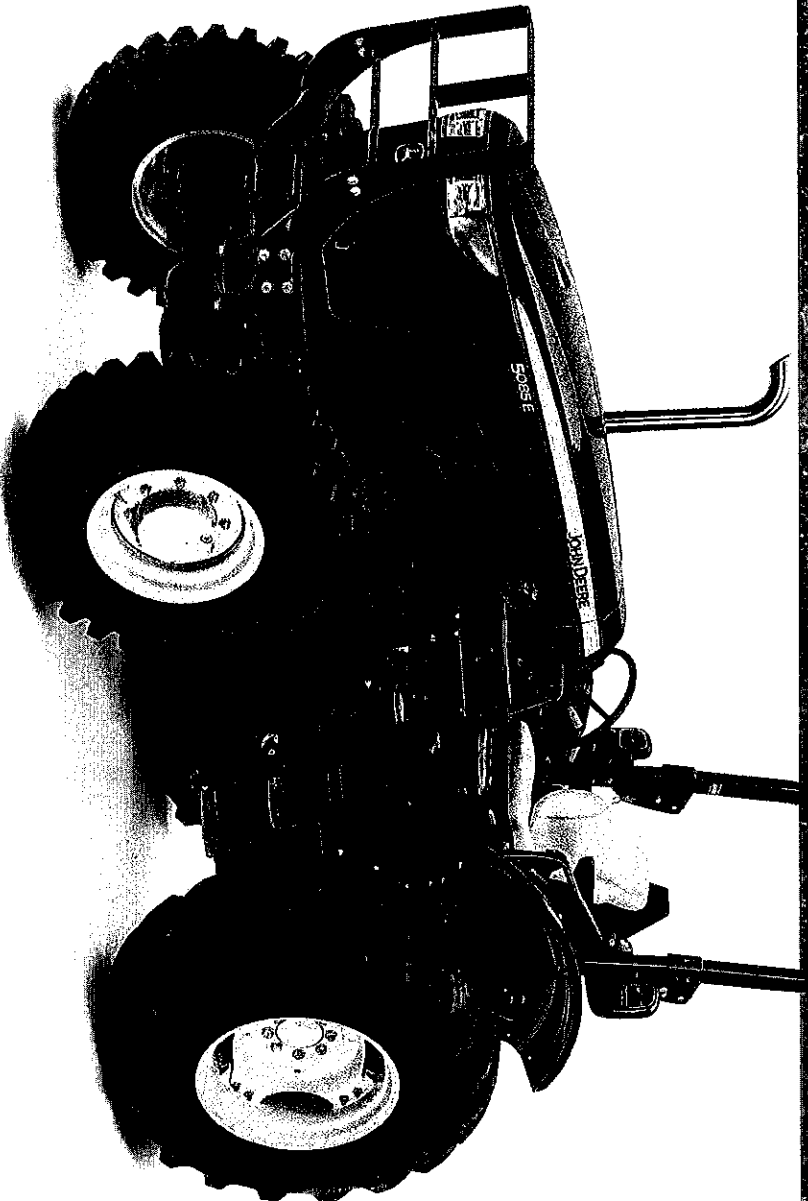
5E Series | 85–100 horsepower

Born to work **stronger**



85–100 horsepower 5E Series

Step up to the 85 or 100 horsepower 5E Series and you're getting a tractor with serious muscle and capability. These rugged machines can handle just about anything on your farm or your property, from heavy-duty loader work, to hay-making, to property maintenance chores, rotary tilling, and everything in between. We now offer more versatile speed selection with the 24F/12R PowerReverser™ transmission, which allows you to shift from high to low with the ease of a button. Plus, you'll get the choice of our comfortable open operator station or the cab configuration for year-round productivity.



Get a clearer view of the task at hand with the exhaust stack now located behind the cornerpost (on all cab models). Plus, the 85–100 horsepower 5E models boast an improved control layout, access to SCV levers, and generous console storage space.

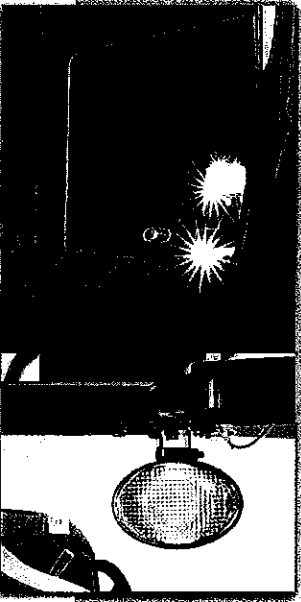
5E Series | Engine

Born to work stronger

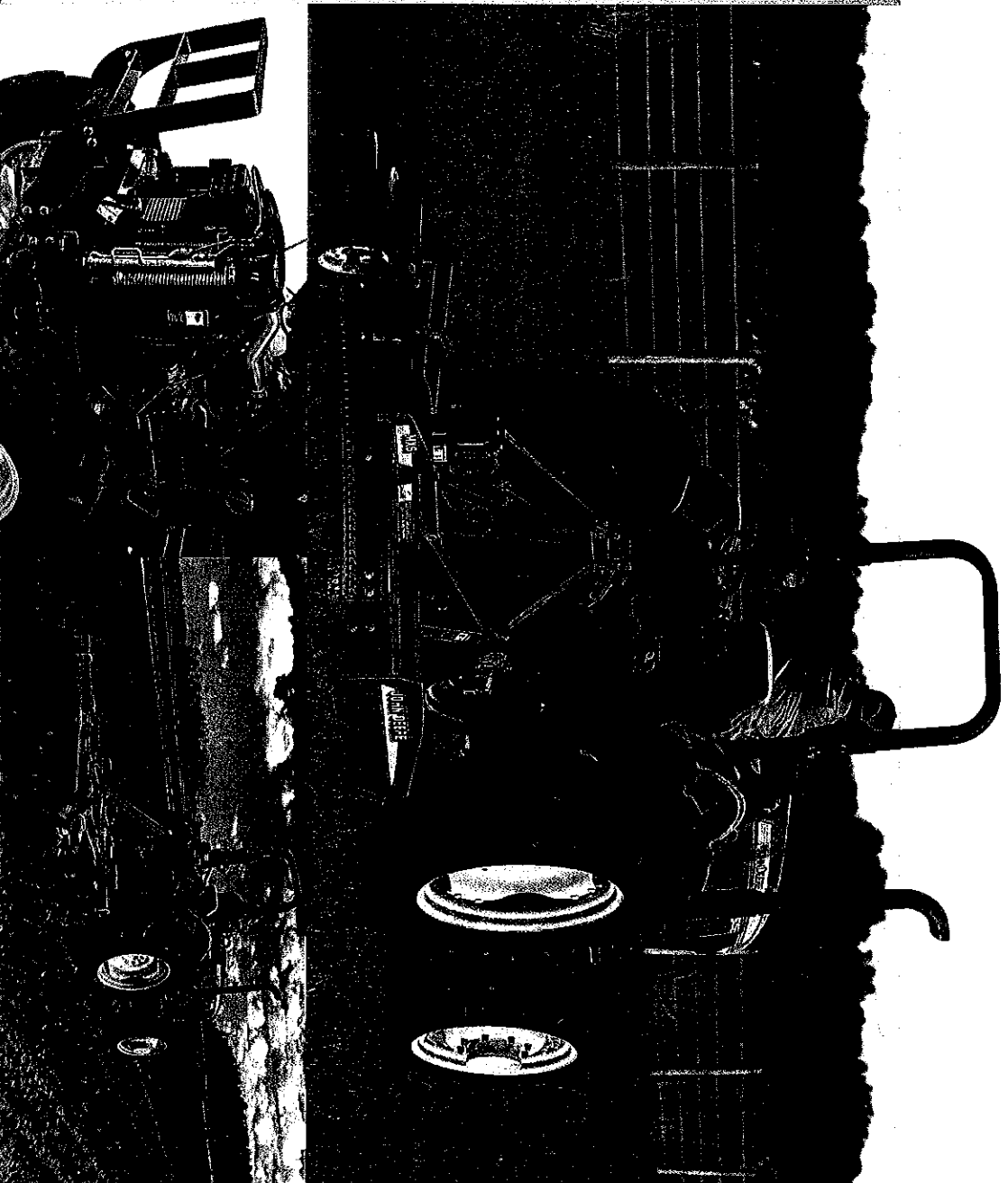
Powerful engineering... from the inside out.

At the heart of every 5E Series tractor, you'll find a powerful yet efficient John Deere PowerTech™ turbocharged diesel engine. The 3-cylinder and 4-cylinder engines (depending on choice of horsepower) both feature a wet sleeve design for better heat dissipation. And with up to 100 available horsepower, the 5E Series can tackle just about anything on your chore list.

Choose the 45-75 horsepower 5E Series for a simple Final Tier 4 single fluid solution. No extra fuel additives, and no need to "airn" a regeneration system. That means you can run your tractor just like you always have and know it's working more efficiently than ever... and with compliant emissions reduction. Plus a standard rated operating speed of just 2100 RPM for an engine that produces reduced noise, vibration, and wear and tear over the long run.



Early mornings? Late evenings? No problem... Extra bright halogen headlights and rear work lights come standard on both open station and cab models.



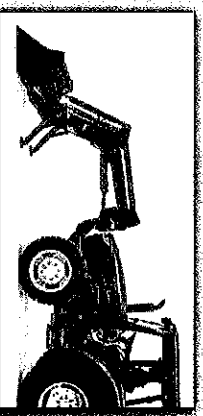
The one-piece tilting hood allows easy access to service items like the air filter, engine oil checks, and more. Plus, ground-level fluid fills make regular maintenance a snap.

Born to work **under pressure**

Load more. Lift more. Do more.

When it comes to hydraulic power and capacity, it's hard to beat the 5E Series. With a rear hitch lift capacity of nearly 3,200 pounds (1,451 kg), lifting and transporting those heavier implements — like rotary tillers and heavy seeders — just became a non-issue. The standard 3-point hitch allows you to hook up to any Category 1 (with conversion kit) or Category 2 hitch standard-mounted implement. Plus, mid-mount hydraulic remotes allow for easy loader mounting.

Around front, add a John Deere loader for up to 3,548 pounds (1,610 kg) lift capacity.* Quik-Park™ capability and self-leveling options. Partner a John Deere loader with your 5E Series to transform your tractor into a lean, green, loading and lifting machine. And now with the factory installed loader prep package option on MFWD tractors and stackable mid SCVs (4-cylinder only), you'll be saving lots of time and money.



Loaders attach and detach in just a few minutes, with no tools.

With standard high-capacity hydraulics, you can sit back and let your new 5E Series handle the heavy lifting. Lift capacity for H240 NSL Loader at full height on 5100E tractor.

5 Series | Transmission and efficiency

Born to work smarter

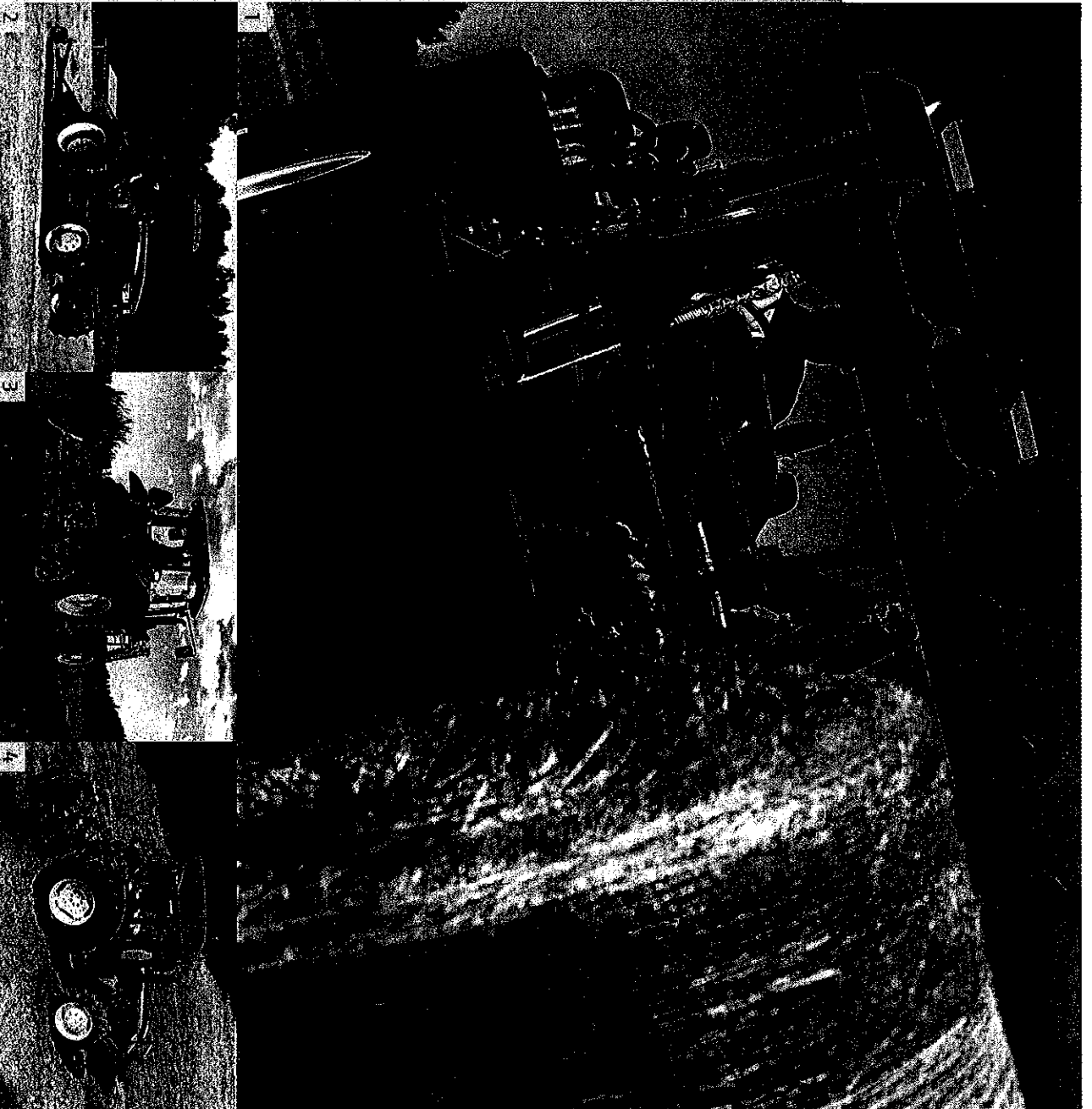
Intelligent efficiency.

The new John Deere 5 Series are our most advanced 5 Series tractors ever. What makes the new 5 Series so advanced? First, you get the option of a 24F/12R PowReverser™ Transmission on 4-cylinder models (12/12 is standard on 5085E and 5100E). No-stop, in-line, forward/reverse shifting makes short work of loading, blading, or any chore with frequent directional changes — while 12 forward and 12 reverse speeds allow you the freedom to find just the right gear for the job. Or go with the standard 9F/3R SyncShuttle™ Transmission (3-cylinder only) for proven-reliable performance in any application.

The standard, fully-independent 540 RPM PTO gives you power for PTO-driven implements and has been updated with an electrohydraulic actuator for smoother PTO activation. Plus, PowReverser-equipped tractors benefit from a 540 Economy PTO mode, allowing you to operate with full PTO speeds at reduced engine rpm — saving fuel, lowering engine noise and reducing vibration. For operator convenience, we've relocated the EPTO lever to just behind the seat, well within reach of the seated operator.

No matter which options you choose, heavy-duty components and moving parts designed for high-hour usage translate to unmatched performance and long-term reliability. And that makes the 5 Series a smart investment any way you slice it.

9F/3R only on 45-55 HP models



1. 5085E Tractor shown with H240 Loader and 3rd Function Grapple Bucket. 2. 5075E Tractor shown with Canopy and Frontier RC2072 Rotary Cutter. 3. 5100E Tractor shown with H240 Loader and 681 Rotary Tiller. 4. 5075E Tractor shown with Frontier Box Blade BG4172H

Born to work **anywhere**

Making the best even better.

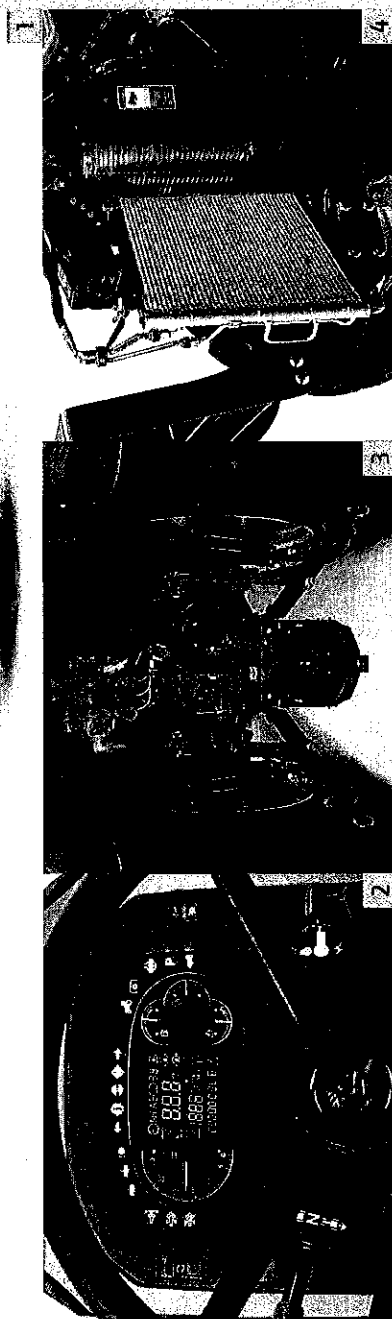
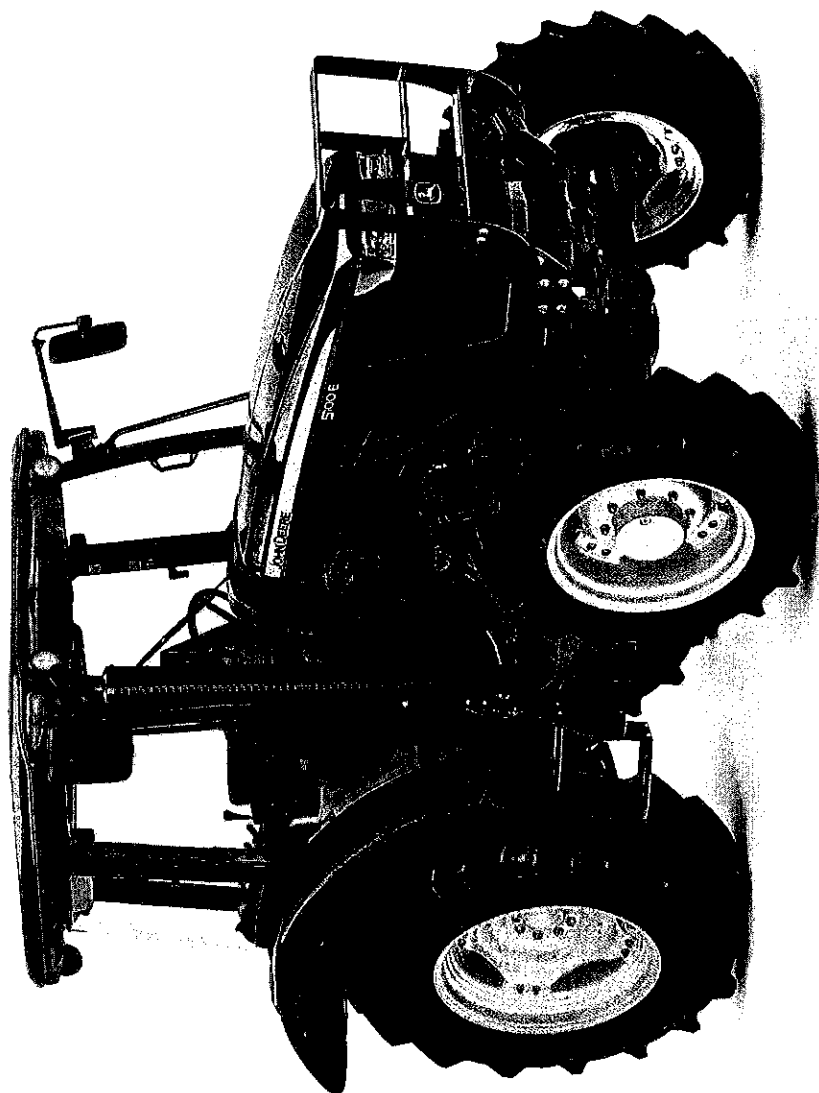
The new 5085E and 5100E machines have a great new set of features that will help you get more done in less time.

The new sloping hood, deluxe standard cornerpost exhaust, and raised operator platform on cab models give you up to 36 feet of extra visibility in front of the tractor. Better sightlines mean higher operator efficiency and comfort when performing many repetitive tasks with a loader.

With the new LCD instrument cluster, you can see ground speed, PTO speed, and engine hours all at the same time. In addition, you can now view important indicators such as PTO target bar, PowerReverse™ position, hi-lo indicator, and warning lights.

The new slide-out condenser (cab models only), radiator screen, tilt-able charge air cooler, and slide-out oil cooler allow you to quickly access the cooling system components to clean debris—with no tools. If it's easy to clean, it will get cleaned, so you'll never have to worry about an over-heated engine in tough conditions.

Finally, attaching rear implements to the 3-point hitch is now easier than ever. With the new standard sway bars and telescoping draft links, no tools are required to attach or detach implements. That's going to be appreciated when hooking up heavy implements that can match the rear hitch lift capacity of over 3,200 pounds (1,451 kg).



1. New sloping hood on 5E 4 cylinder. 2. New LCD instrument cluster. 3. New standard sway bars and telescoping draft links. 4. New slide out condenser, radiator screen, tilt-able charge air cooler, and slide out condenser on 4 cylinder cab models.

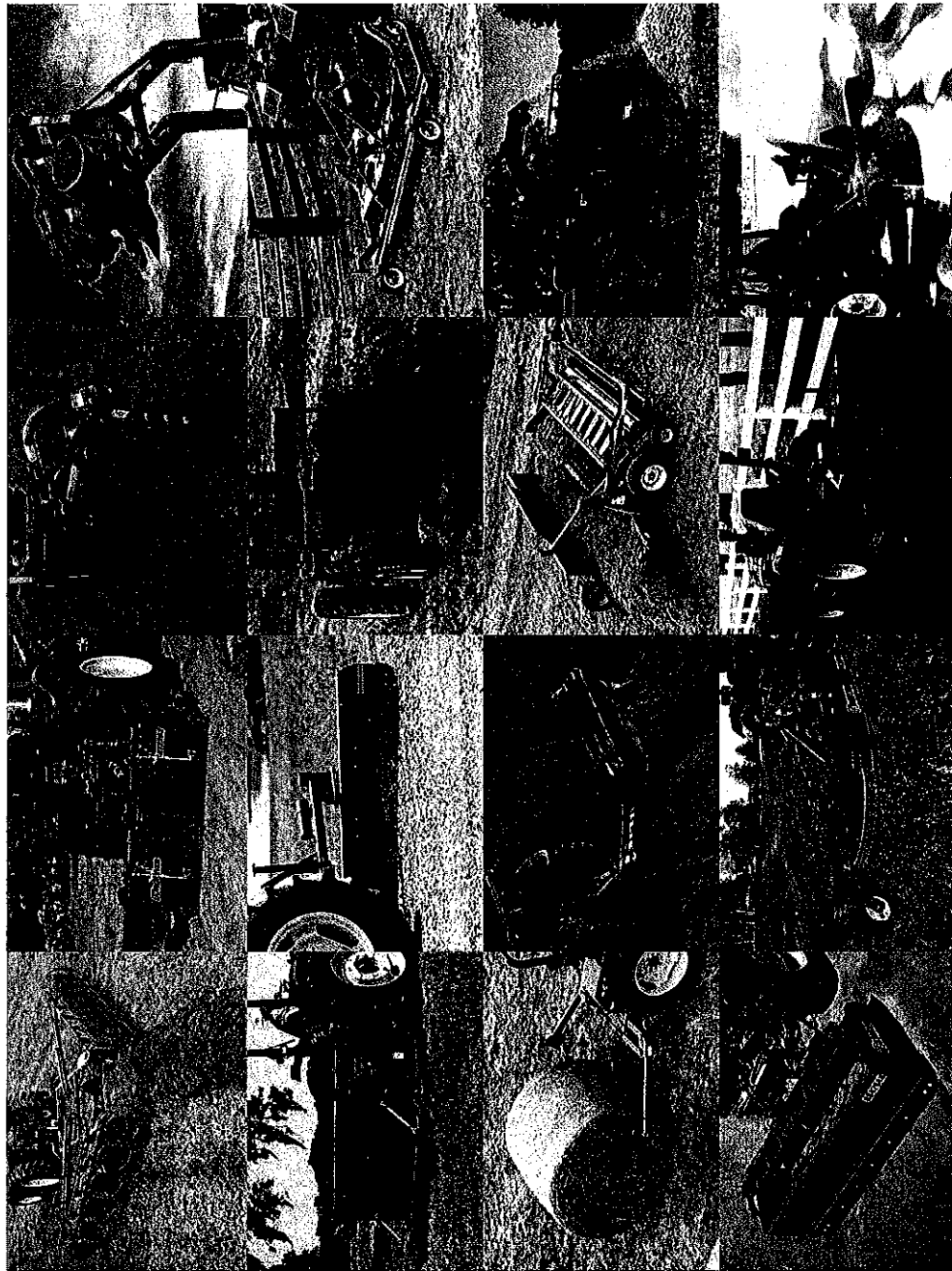
Frontier makes the perfect match

From posthole diggers to food plot seeders to rotary cutters to land levelers, John Deere and Frontier Equipment offer a wide variety of front and rear attachments designed specifically for tractors like the 5E Series. Your John Deere dealer is the exclusive source for the full line of Frontier implements and attachments.

See your John Deere dealer, or visit us online to find out more about our complete line of attachments, including:

Grooming mowers	Posthole diggers	Tedders
Box blades	Manure spreaders	Wood chippers
Rotary tillers	Wheel rakes	Snowblowers
Overseeders	Disc mowers	Bale huggers
Disk harrows	Rear blades	Arena rakes
Rotary rakes	Core aerators	Bale spears
Sickle bar mowers	Pendular spreaders	Food plot seeders
Pulverizers	Offset disks	Land planes

Visit us online at www.BuyFrontier.com
or www.BuyFrontier.ca to get specs
and availability information.

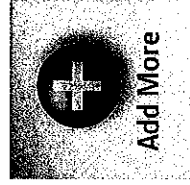
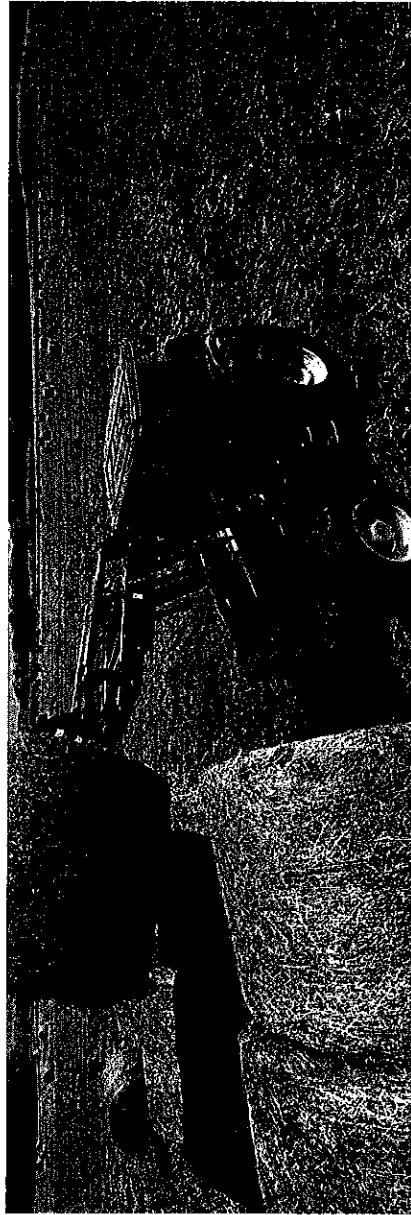


Frontier Equipment reserves the right to change specifications, design, and price of products described in this literature without notice.

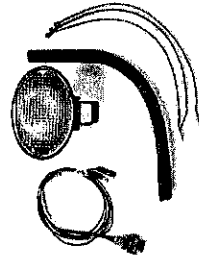
NEW John Deere loaders: Built Tough.

If you're looking for greater lift heights, higher capacity, user-friendly parking and attaching, look to the all-new John Deere H Series Loaders. Built to handle the demands of livestock and dairy producers, commercial and construction operators, or anyone with big-time material-handling chores, the H Series offers more cast-steel components for improved durability and capacity, a lower torque tube for better visibility, and concealed oil lines for a cleaner appearance and less risk of damage.

For owners and operators with less-demanding loader tasks, the 512 Loader offers field-proven performance across a wide range of material-handling applications. Your John Deere dealer can help you choose the right loader for your operation.



Add more comfort, convenience, security, productivity...



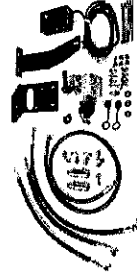
Auxiliary work light kit

Increase productivity with our auxiliary work light kit. The round halogen lights mount to the roof of your cab, providing a great source of extra lighting for the front or rear (or both) of your tractor. Includes all hardware and components.



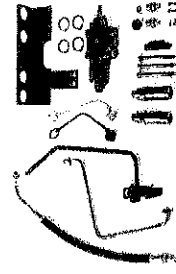
Air-ride suspension seat

Ride more comfortably over the longest roads and roughest terrain with an air seat suspension kit (4-cylinder models only). The vertical and horizontal seat suspension lets you work longer hours with minimal operator fatigue. Armrest included. See your John Deere dealer for more details.



Power beyond adaptor kit

Provide live hydraulic power to implements that have an open-center control valve. This kit is required for installing a backhoe on your tractor. See your John Deere dealer for more details.



Dual rear SCV kit

with lever controls

Attach a wider range of implements than ever before with our dual rear selective control valve (SCV) kit. Easy lever controls are included for your convenience.

Loader (Non-Self-Leveling, Mechanical Self-Leveling)	512 NSL	H240MSL	H240NSL	H260 NSL
Lift capacity at full height, at pivot	2453 lb. (1115 kg)	2580 lb. (1170 kg)	3523 lb. (1598 kg)	3754 lb. (1703 kg)
Lift capacity at full height, 800 mm ahead of pivot	1538 lb. (697 kg)	2908 lb. (1319 kg)	2291 lb. (1040 kg)	2666 lb. (1212 kg)
Lift capacity @ 59 in. (1.5 m) lift height, at pivot	3295 lb. (1494 kg)	3607 lb. (1636 kg)	4030 lb. (1828 kg)	4960 lb. (2250 kg)
Lift capacity @ 59 in. (1.5 m) lift height, at 800 mm ahead of pivot	2350 lb. (1066 kg)	3481 lb. (1579 kg)	2974 lb. (1349 kg)	3783 lb. (1716 kg)
Boom breakout force, at pivot	4781 lb. (2169 kg)	4781 lb. (2169 kg)	4641 lb. (2105 kg)	6360 lb. (2885 kg)
Boom breakout force, 800 mm ahead of pivot	3172 lb. (1439 kg)	4052 lb. (1838 kg)	3168 lb. (1437 kg)	4639 lb. (2104 kg)
Maximum lift height	113 in. (2887 mm)	132 in. (3351 mm)	132 in. (3351 mm)	137 in. (3482 mm)
Clearance with bucket dumped	84 in. (2142.8 mm)	99.3 in. (2523 mm)	99.2 in. (2520 mm)	96 in. (2444 mm)
Reach at maximum height	24.5 in. (624 mm)	40.9 in. (1039 mm)	40.9 in. (1039 mm)	44 in. (1110 mm)
Reach at ground level	71.8 in. (1824 mm)	88.5 in. (2248 mm)	88.5 in. (2248 mm)	103 in. (2627 mm)
Digging depth	4 in. (108 mm)	-2.7 in. (-69 mm)	-3.9 in. (-73 mm)	-6 in. (-143 mm)
Dump angle @ full height	52.7 degrees	-55 degrees	-55 degrees	-73 degrees
Rollback angle @ ground	29 degrees	42 degrees	44 degrees	45 degrees

512 specifications as installed on SE; capacities measured with 73 in. Materials bucket (351 lb.); H240 specifications as installed on SE 3-cylinder; capacities measured with 73 in. CP bucket (392 lb.); H260 specifications as installed on 510E; capacities measured with 73 in. Materials bucket (502 lb.)

5 Series Utility Tractors | Specifications

Tractor Series		5045E	5055E	5065E	5075E	5085E	5100E
Engine HP (kW) @ Rated Speed*		50 (37.4) @ 2100	59 (44.4) @ 2100	67 (50.4) @ 2100	73 (55.0) @ 2100	85 (62.5) @ 2400	100 (74.6) @ 2400
PTO HP (kW) @ Red PPM**		37 (27.6) @ 2100	41 (30.6) @ 2100	49 (36.6) @ 2100	57 (43) @ 2100	70 (52.2) @ 2400	85 (63.4) @ 2400
Engine		John Deere PowerTech 3029	John Deere PowerTech 3029	John Deere PowerTech 3029	John Deere PowerTech 3029	John Deere PowerTech 4045	John Deere PowerTech 4045
Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged
Cylinders		3	3	3	3	4	4
Displacement, cu. in. (liters)		179 (2.9)	179 (2.9)	179 (2.9)	179 (2.9)	276 (4.5)	276 (4.5)
Cylinder Liners		Wet Sleeve	Wet Sleeve	Wet Sleeve	Wet Sleeve	Wet Sleeve	Wet Sleeve
Transmission		9F/3R SyncShuttle	9F/3R SyncShuttle	9F/3R SyncShuttle	9F/3R SyncShuttle	12F/12R PowrReverser	12F/12R PowrReverser
Standard		---	---	---	---	---	---
Optional		No	No	No	No	Yes	Yes
Reverser		Partial	Partial	Partial	Partial	Partial	Partial
On-the-Go Shifting (Yes/No/Partial)		Partial	Partial	Partial	Partial	Partial	Partial
Traction Clutch - Standard/Option		Dry	Dry/Wet (12F/12R PowrReverser)	Dry/Wet (12F/12R PowrReverser)	Dry/Wet (12F/12R PowrReverser)	Wet	Wet
Fuel System		18.0 (68.0)	18.0 (68.0)	18.0 (68.0)	18.0 (68.0)	30 (11.4)	30 (11.4)
Fuel Tank ODS - Gal. (L)		---	21.6 (82)	21.6 (82)	21.6 (82)	30 (11.4)	30 (11.4)
Power Take-Off (PTO)		Independent 540	Independent 540	Independent 540	Independent 540	Independent 540/540E	Independent 540/540E
Standard		---	---	---	---	---	---
Optional (PR)		Mechanical	Mechanical/Electrohydraulic	Mechanical/Electrohydraulic	Mechanical/Electrohydraulic	Electrohydraulic	Electrohydraulic
PTO Actuation - Standard/Option		No	Yes	Yes	Yes	Yes	Yes
Economy PTO		Open Center	Open Center	Open Center	Open Center	Open Center	Open Center
Hydraulics		6.8 (25.7)	6.8 (25.7)	6.8 (25.7)	6.8 (25.7)	6.6 (24.9)	6.6 (24.9)
Steering gpm (L/min)		11.4 (43.1)	11.4 (43.1)	11.4 (43.1)	11.4 (43.1)	15.9 (60.1)	15.9 (60.1)
Implement gpm (L/min)		18.2 (68.8)	18.2 (68.8)	18.2 (68.8)	18.2 (68.8)	22.5 (85.1)	22.5 (85.1)
Total		1	1	1	1	2	2
Rear SCVs		2	2	2	2	0, 3	0, 3
Base		0	0	0	0	0	0
Optional		2	2	2	2	2, 3	2, 3
Mid SCVs		3 Point Hitch	3 Point Hitch	3 Point Hitch	3 Point Hitch	3 Point Hitch	3 Point Hitch
Base		3, 192 (1,448)	3, 192 (1,448)	3, 192 (1,448)	3, 192 (1,448)	3, 213 (1,457)	3, 213 (1,457)
Optional		Category 2 (convertible to 1)	Category 2 (convertible to 1)	Category 2 (convertible to 1)	Category 2 (convertible to 1)	Category 2	Category 2
Hitch Category		Top Link	Top Link	Top Link	Top Link	Top Link	Top Link
Draft Sensing Type		Open Station	Open Station	Open Station	Open Station	Open Station/Cab	Open Station/Cab
Operator Station		Open Station	Open Station	Open Station	Open Station	Open Station/Cab	Open Station/Cab
Type - Standard/Option		Open Station	Open Station	Open Station	Open Station	Open Station/Cab	Open Station/Cab

*9768 EC gross engine horsepower.

**5045E PTO horsepower at rated speed. Open Station with 9F/3R SyncShuttle™ Transmission. 5055E, 5065E, 5075E PTO horsepower at rated speed. Cab with 9F/3R SyncShuttle™ Transmission. 5085E and 5100E PTO horsepower at rated speed. Cab with 12F/12R PowrReverser™ Transmission.

Tractor Series	5045E	5055E	5065E	5075E	5085E	5100E
2WD Dimensions						
Wheelbase, in. (mm)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	---	---
Overall length (minimum)	137.8 in.	137.8 in.	137.8 in.	137.8 in.	---	---
Overall width, rear axle b/w flanges	57.3 in.	57.3 in.	57.3 in.	57.3 in.	---	---
MFWD Dimensions						
Wheelbase, in. (mm)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	92.5 (2,350)	92.5 (2,350)
Overall length (minimum)*	137.8 in.	137.8 in.	137.8 in.	137.8 in.	159.13 in.	159.13 in.
Overall width, rear axle b/w flanges	57.3 in.	57.3 in.	57.3 in.	57.3 in.	57.2 in.	57.2 in.
Height from ground						
To top of hood	63.5 in.	64.8 in.	66.2 in.	66.9 in.	70.6 in.	70.6 in.
To top of ROPS	94.4 in.	96.4 in.	98.4 in.	98.4 in.	101.1 in.	101.1 in.
To top of folded ROPS	75.8 in.	77.1 in.	78.5 in.	78.5 in.	79.6 in.	79.6 in.
To top of Cab	---	94.3 in.	95.6 in.	97 in.	102.4 in.	102.4 in.
Front Axle Clearance 2WD in. (mm)	18.8 (480)	18.8 (480)	18.8 (480)	18.8 (480)	---	---
Front Axle Clearance MFWD OOS in. (mm)	13.4 (340)	13.4 (340)	13.4 (340)	13.4 (340)	17.0 (432)	17.0 (432)
Front Axle Clearance MFWD Cab in. (mm)	---	13.4 (340)	13.4 (340)	13.4 (340)	15.2 (386)	15.2 (386)
Standard Tires - 2WD						
Front	7.5 - 16; F2	7.5 - 16; F2	7.5 - 16; F2	7.5 - 16; F2	---	---
Rear	13.6 - 28; R1	14.9 - 28; R1	16.9 - 28; R1	16.9 - 28; R1	---	---
Standard Tires - MFWD						
Front	9.5 - 24; R1	9.5 - 24; R1	9.5 - 24; R1	9.5 - 24; R1	12.4 - 24; R1	12.4 - 24; R1
Rear	13.6 - 28; R1	14.9 - 28; R1	16.9 - 28; R1	16.9 - 28; R1	18.4 - 30; R1	18.4 - 30; R1
Weight						
Approx Weight, lb (kg), 2WD	4,414 (2,002)	4,524 (2,052)	4,634 (2,102)	4,634 (2,102)	---	---
Approx Weight, lb (kg), MFWD OOS	5,401 (2,450)	5,511 (2,500)	5,621 (2,550)	5,732 (2,600)	7,275 (3,300)	7,275 (3,300)
Approx Weight, lb (kg) MFWD Cab	---	7,054 (3,200)	7,165 (3,250)	7,275 (3,300)	8,150 (3,700)	8,150 (3,700)
Turn Radius						
With brakes	10.2 ft.	10.2 ft.	10.2 ft.	10.2 ft.	11.6 ft.	11.6 ft.
Without brakes	11.5 ft.	11.5 ft.	11.5 ft.	11.5 ft.	14.3 ft.	14.3 ft.

*Front weight support extends past the front wheels. **With 4-wheel drive disengaged, where applicable.

Get peace of mind with PowerGuard™

Protect your investment and increase your confidence in purchasing a high-quality John Deere tractor through John Deere PowerGuard™ Programs.

The PowerGuard™ Maintenance Program is an effective, preventative maintenance program designed to make sure your tractor operates at peak performance, offers exceptional reliability and maintains top residual value.

*PowerGuard Protection Plan extended warranty covers failures due to defective materials or original workmanship of covered components for up to 3 years or 3,000 hours (whichever comes first). Customers have a choice between either the Limited (engine & powertrain) coverage form or the Comprehensive (full-machine) coverage form. See your dealer, www.deere.com or www.johndeere.ca/PowerGuard for details.





JEFFERSON COUNTY, TEXAS PURCHASING DEPARTMENT

1149 Pearl Street – First Floor
Beaumont, Texas 77701
409-835-8593 phone

ADDENDUM TO IFB

IFB Number: IFB 18-013/JW

IFB Title: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

IFB Due: 11:00 am CDT, Tuesday, June 19, 2018

Addendum No.: 1

Issued (Date): June 7, 2018

TO BIDDER: This Addendum is an integral part of the IFB package under consideration by you as a Bidder in connection with the subject matter herein identified. Jefferson County deems all sealed proposals to have been proffered in recognition and consideration of the entire IFB package – **including all addenda**. For purposes of clarification, **receipt of this present Addendum by a Bidder should be evidenced by returning it (signed) as part of the Bidder's sealed proposal**. If the Proposal has already been received by the Jefferson County Purchasing Department, Bidder should return this addendum in a separate sealed envelope, clearly marked with the IFB Title, IFB Number, and Opening Date and Time, as stated above.

Reason for Issuance of this addendum: Revisions to Page 39 of Bid Specifications

The information included herein is hereby incorporated into the documents of this present Bid matter and supersedes any conflicting documents or portion thereof previously issued.

Receipt of this Addendum is hereby acknowledged by the undersigned Bidder:

ATTEST:

Shawn A. Bello
Authorized Signature (Bidder)

Witness

Sales Consultant
Title of Person Signing Above

Witness

Shopp's Farm Supply
Typed Name of Business or Individual

Approved by _____ Date: _____

9135 College St. Beaumont
Address
77707

Addendum No. 1 – Revised Page 39 of Bid Specifications

BASIC SPECIFICATIONS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☐ Base Machine weight should not be less than ~~27,000~~ **11,075** lbs
- ☐ **Machine should operate with a ballast weighing up to 6,000 lbs**
- ☐ Capable of speed: 15.5 mph or higher
- ☐ Water Tank Capacity of at least 150 gallons
- ☐ Turning Radius: 9 ft.
- ☐ ROP Height: 9.4'
- ☐ Self-lubricating bushings that are maintenance-free
- ☐ Maintenance-free braking system
- ☐ Flashing lights and blinkers for on-road safety

STANDARD EQUIPMENT

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☐ Scraper per wheel
- ☐ Hour meter
- ☐ Warning horn
- ☐ Control panel for: engine oil pressure, engine temperature, air filter vacuum, charge control, hydraulic oil filter, coolant level, fuel tank capacity
- ☐ (2) outside mirrors
- ☐ Lockable anti-vandal dashboard protection
- ☐ Operator's platform with: one steering wheel, laterally sliding swivels
- ☐ Back-up alarm
- ☐ Hydrostatic transmission
- ☐ Tier 4 Kubota Diesel Engine
- ☐ Nine 7.50 X 15 X 14 ply tires
- ☐ Fuel gauge
- ☐ Hydrostatic, center articulated steering with +/- 10 degree frame oscillation



JEFFERSON COUNTY, TEXAS PURCHASING DEPARTMENT

1149 Pearl Street – First Floor
Beaumont, Texas 77701
409-835-8593 phone

ADDENDUM TO IFB

IFB Number: IFB 18-013/JW

IFB Title: Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

IFB Due: 11:00 am CDT, Tuesday, June 19, 2018

Addendum No.: 2

Issued (Date): June 14, 2018

TO BIDDER: This Addendum is an integral part of the IFB package under consideration by you as a Bidder in connection with the subject matter herein identified. Jefferson County deems all sealed proposals to have been proffered in recognition and consideration of the entire IFB package – **including all addenda**. For purposes of clarification, **receipt of this present Addendum by a Bidder should be evidenced by returning it (signed) as part of the Bidder's sealed proposal.** If the Proposal has already been received by the Jefferson County Purchasing Department, Bidder should return this addendum in a separate sealed envelope, clearly marked with the IFB Title, IFB Number, and Opening Date and Time, as stated above.


Reason for Issuance of this addendum: Revision to Bid Specifications for Bid Item No. 3

Revision: The Tango Oscillation Feature SHOULD NOT be included on this piece of equipment. Any reference to this feature within the bid specifications for this bid item (including Appendix C) should be disregarded. Do not include this feature in bid price.

The information included herein is hereby incorporated into the documents of this present Bid matter and supersedes any conflicting documents or portion thereof previously issued.

Receipt of this Addendum is hereby acknowledged by the undersigned Bidder:

ATTEST:


Authorized Signature (Bidder)

Witness

Sales Consultant
Title of Person Signing Above

Witness

Shoppa's Farm Supply
Typed Name of Business or Individual

Approved by _____ Date: _____

9135 College St Beaumont
Address 77707

Addendum No. 2 – Revised Page 43 of Bid Specifications

BASIC SPECIFICATIONS

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☐ Operating Weight should be at least 21,600 lbs
- ☐ Turning Radius: 192.1"
- ☐ Vibratory Frequency for Drums: 3,000/4,200 VPM
- ☐ Engine: 114 horsepower
- ☐ Top speed should be at least 7.5 mph
- ☐ No grease nipples.
- ☐ Sealed bearings.
- ☐ Economizer System
- ☐ Economode Feature
- ☐ ~~Tango Oscillation Feature~~
- ☐ Visible sight lines to drum edge
- ☐ Open operator's platform
- ☐ 180 degree seat & steering, so the driver can have their front or back turned to the edge of the machine for a better view.

STANDARD EQUIPMENT

✓ Check Here If Feature

Is to be INCLUDED (for Price Bid):

- ☐ 2 amplitudes / 2 frequencies
- ☐ Kubota Tier 4i engine
- ☐ Automatic vibration operation
- ☐ Individual vibration control
- ☐ Adjustable driver's seat – 180 degrees; laterally slidable with steering wheel
- ☐ On-board indicators: engine speed, speedometer, fuel consumption, engine temperature
- ☐ Pressure sprinkling system with 2 pumps
- ☐ Low water level indicator

Sealed Bid

Shoppas Form Supply



JEFFERSON COUNTY PURCHASING DEPARTMENT
Deborah L. Clark, Purchasing Agent

1149 Pearl Street, 1st Floor, Beaumont, TX 77701 409-835-8593 Fax 409-835-8456

LEGAL NOTICE
Advertisement for Invitation for Bids

May 21, 2018

Notice is hereby given that sealed bids will be accepted by the Jefferson County Purchasing Department for IFB 18-013/JW, Re-bid Heavy Equipment for Jefferson County Precinct No. 3 (To Replace Unreparable Equipment Damaged by Hurricane Harvey). Specifications for this project may be obtained from the Jefferson County website, <http://www.co.jefferson.tx.us/Purchasing/main.htm> or by calling 409-835-8593.

Bids are to be sealed and addressed to the Purchasing Agent with the bid number and name marked on the outside of the envelope or box. Bidders shall forward an original and three (3) copies of their bid to the address shown below. Jefferson County does not accept bids submitted electronically. Late bids will be rejected as non-responsive. Bids will be publicly opened and read aloud in the Jefferson County Commissioners' Courtroom at the time and date below. Bidders are invited to attend the sealed bid opening.

BID NAME:
Re-bid Heavy Equipment for Jefferson County Precinct No. 3
(To Replace Unreparable Equipment Damaged by Hurricane Harvey)

BID NO: IFB 18-013/JW
DUE DATE/TIME: 11:00 AM CDT, Tuesday, June 19, 2018

MAIL OR DELIVER TO: Jefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, Texas 77701

Any questions relating to these requirements should be directed to Jamey West, Assistant Purchasing Agent, at 409-835-8593 or jwest@co.jefferson.tx.us. Bidders may submit technical questions to: Jason Castille, Precinct No. 3 Superintendent at 409-736-2851 or pcj3sc@co.jefferson.tx.us.

Jefferson County encourages Disadvantaged Business Enterprises to participate in the bidding process. Jefferson County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provisions of services. Individuals requiring special accommodations are requested to contact our office at 409-835-8593 to make arrangements no later than seven (7) calendar days prior to the substantial deadline. Jefferson County reserves the right to accept or reject any or all proposals, to waive technicalities and to take whatever action is in the best interest of Jefferson County.

All interested firms are invited to submit a bid in accordance with the terms and conditions stated in this bid. **RESPONDENTS ARE STRONGLY ENCOURAGED TO CAREFULLY READ THE ENTIRE INVITATION.**

Deborah Clark

Deborah L. Clark, Purchasing Agent
Jefferson County, Texas

Publish: Beaumont Enterprise & Port Arthur News – May 23, 2018 & May 30, 2018

*2nd submission
(copies, addenda) go*

Snappas



JEFFERSON COUNTY PURCHASING DEPARTMENT
Deborah L. Clark, Purchasing Agent

1149 Pearl Street, 1st Floor, Beaumont, TX 77701 409-835-8593 Fax 409-835-8456

Sealed Bid

LEGAL NOTICE
Advertisement for Invitation for Bids

May 21, 2018

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 (To Replace Unrepairable Equipment Damaged by Hurricane Harvey)

BID NO: IFB 18-013/JW

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MAIL OR DELIVER TO: Jefferson County Purchasing Department
 1149 Pearl Street, 1st Floor
 Beaumont, Texas 77701

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RESPONDENTS ARE STRONGLY ENCOURAGED TO CAREFULLY READ THE ENTIRE INVITATION.

Deborah Clark

Deborah L. Clark, Purchasing Agent
 Jefferson County, Texas

Publish: Beaumont Enterprise & Port Arthur News - May 23, 2018 & May 30, 2018

2018 JUN 19 11:00 AM CDT

Mc-Consignment 51

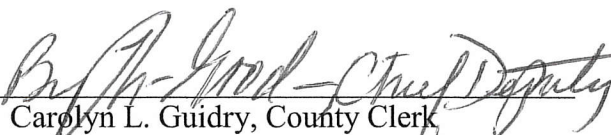
**CONTRACT RENEWAL FOR IFB 14-013/JW
TEMPORARY CANTEEN (MEAL CATERING)
DISASTER/EMERGENCY FOR JEFFERSON COUNTY**


The County entered into a contract with Colin's Kitchen, LLC for one (1) year, from July 7, 2014 to July 6, 2015, with an option to renew the contract for up to a five (5) year period.

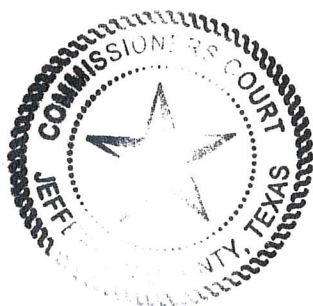
Pursuant to the contract, Jefferson County hereby exercises its fourth one-year option to renew the contract for one (1) additional year from July 3, 2018 to July 2, 2019, with the option to extend for five (5) additional one (1) year terms.

ATTEST:

JEFFERSON COUNTY, TEXAS


Carolyn L. Guidry, County Clerk


Jeff Branick, County Judge



CONTRACTOR:
Colin's Kitchen, LLC


(Name)



Appendix C Pricing Index (Products and Pricing)

West is the foremost provider of integrated information solutions to the U.S. legal market. West has been providing legal, government, law enforcement, and information professionals with the highest-quality legal, news, business, public records, and law enforcement information, and the most innovative technology solutions and tools to manage them, for more than 140 years.

Pursuant to the RFO, West's Contract may be extended to allow non-state Texas agencies and other states and government jurisdictions (collectively referred to in this proposal as "Other Authorized Entities") to purchase under the Contract, subject to approval by DIR and West (see page 11).

Complete product and pricing details are provided in the following pages.

West CALIR Offerings Summary

Recognizing that Texas state and local agencies have diverse and unique online information research and solutions needs, West offers several options and packages, thus providing Texas state and local agencies with flexibility to pick and choose the option and/or package that is best suited to their specific end users' needs. West's Contract provides for three (3) different pricing options:

- **Option 1—Legal Research.** This option provides Texas agencies the ability to pick and choose from two (2) commonly requested legal research packages (Options 1A – 1B). These options also are consistent with the core legal research options offered under the existing CCG Contract. In addition, agencies may supplement these legal research packages by choosing additional content from a select list of optional separately priced add-on libraries.
- **Option 2—Investigative Research.** This option provides access to comprehensive public records, publicly available information, and proprietary data for investigative purposes. Thomson Reuters CLEAR helps law enforcement and agencies locate people faster, conduct due diligence more efficiently, and save valuable time and resources during investigations.
- **Option 3—Custom Packages.** The custom packages offered as part of this option recognize that Texas agencies may have diverse and unique needs that cannot be met by the pre-packaged content sets provided by West's Options 1 – 2. These custom packages provide maximum flexibility to purchase custom packages of legal and/or investigative online information that are specifically tailored to the unique research needs of individual agencies and end users.

In addition, West offers other similar products that might be of interest to DIR, such as legal drafting, practical law/legal know-how, print, case management, court management, continuing legal education (CLE), e-discovery, legal practice, and matter management.

PRICING

West's content offerings provide Texas state and local agencies with cost-effective pricing for access to an extensive variety of packages of online information and functionality that assist users in their research. Given the extensive variety of options and packages available, it may be helpful to speak to a West representative who is specifically trained to help assess your agency's unique needs. To discuss content and price options best suited to your agency's needs, please contact your West government sales representative.

AGENCY ORDERING INSTRUCTIONS

Texas state and local agencies may purchase products off the Contract by contacting their West government representative and completing the applicable West Order Form with the content/pricing option selected by the agency. Note that all POs must reference the Contract number.

OPTION 1—LEGAL RESEARCH (PER PASSWORD)

This option provides Texas purchasing agencies the ability to pick and choose from two (2) commonly requested legal research packages (Options 1A – 1B):

- Option 1A—Texas Core Resources with News Databases
- Option 1B—All State and Federal Resources with News Databases

Note that these options are consistent with the core options offered under the existing CCG CALIR Contract (State Agency Options A and C, as well as Local Agency Options A and C). Texas state and local agencies that are currently accessing this content under the existing Contract will experience a seamless migration/transition process, should they decide to continue their current level of services.

Agencies may supplement these core legal research packages by choosing additional content from a select list of optional separately priced add-on libraries, including the following:

- | | |
|--|--|
| ▪ All Analytical Library | ▪ Texas Analytical Library |
| ▪ American Law Reports (ALR) Library | ▪ Texas Employment Practitioner Core Library |
| ▪ American Jurisprudence (AMJUR) Library | ▪ Texas Criminal Secondary Library |
| ▪ Corpus Juris Secundum (CJS) Library | ▪ Texas Family Law Core Library |
| ▪ Law Reviews and Journals Library | ▪ Texas Pleadings, Motions, and Memoranda Library |
| ▪ Municipal Practitioner Core Library | ▪ Texas Briefs Plus Library |
| ▪ Criminal Expert Resources | ▪ Texas Graphical Bundle—Graphical Statutes, PastStat Locator, and Legislative History Library |
| ▪ Regulations with Editorial Enhancements (formerly RegulationsPlus) | ▪ Texas Form Finder |
| ▪ PeopleMap Premier | |

Pricing and descriptions of the content included for Options 1A-1B and the optional add-ons are provided in the following pages.

STATE OF TEXAS DEPARTMENT OF INFORMATION RESOURCES CONTRACT FOR PRODUCTS AND RELATED SERVICES – DIR CONTRACT NO. DIR-LGL-CALIR-02

LEGAL RESEARCH

OPTION 1A—TEXAS CORE LEGAL RESOURCES WITH NEWS DATABASES

This option provides access to core Texas primary and analytical resources, as well as news databases.

Included Content:	<ul style="list-style-type: none"> ▪ Texas Primary Law Library ▪ Texas Practice Series Library ▪ Texas Practice Guide Library ▪ Texas Jurisprudence Library ▪ Employment Regulations Suite ▪ U.S. News Library 						
Fixed Monthly Charge:	Monthly Per User Per Agency Location Pricing						
# of Users	Initial Term*	Year 1	Year 2	Year 3	Year 4	Option Year 5	Option Year 6
1-25	\$47	\$47	\$49	\$52	\$54	\$57	\$60
26-50	\$45	\$45	\$47	\$49	\$52	\$54	\$57
51-100	\$42	\$42	\$45	\$47	\$49	\$52	\$54
101-150	\$40	\$40	\$42	\$44	\$47	\$49	\$51
151-200	\$38	\$38	\$40	\$42	\$44	\$47	\$49
201 +	\$36	\$36	\$38	\$40	\$42	\$44	\$46

*Initial Term is included to cover that term from contract execution through August 31, 2017. Each subsequent year will begin September 1, in alignment with the Texas fiscal calendar. Cost of services during Initial Term and Year 1 is flat.

Note: Purchasing agencies with 1,000+ users may choose to contact West directly for custom pricing.

PACKAGE DESCRIPTION

Following are brief descriptions of the content, features, and services included in Option 1A.

Content

Texas Primary Law—Texas-specific materials, as well as federal resources concerning Texas. This library includes Texas cases, annotated statutes, administrative code, and court rules. Federal resources include federal district and circuit court decisions originating in Texas, all Supreme Court decisions, and the United States Code Annotated (USCA).

Texas Practice Series Library—Comprehensive reference set for Texas attorneys. Includes reference titles covering laws and rules on real property and evidence, as well as other titles such as The Jury Charge for Texas Civil Litigation and County and Special District Law.

Texas Practice Guide Library—Coverage of essential Texas practice areas with direct links to Texas Jurisprudence 3d, West's Texas Digest, Vernon's Texas Statutes and Codes Annotated and South Western Reporter 2d.

Texas Jurisprudence Library—Full text of Texas Jurisprudence, 3d.

Employment Regulations Suite—Texas State Office of Administrative Hearings Decisions, as well as administrative decisions and guidance documents from all 50 states. It provides a one-stop source for efficient regulatory research on employment, whether users are advising on overtime, workers' compensation, employee drug testing, or other areas of employment law.

U.S. News Library—Thousands of news and business information sources that offer reliable, comprehensive, and current and archival information from the United States. Sources include: newspapers, wires, news magazines, television and radio transcripts, financial news, business publications, and industry publications.

Features and Services

- ✓ Training (Initial and on-going at no additional charge)
- ✓ Service availability (24/7/365)
- ✓ Technical support (24/7/365)
- ✓ Research assistance (24/7/365)
- ✓ Unlimited access/usage of included content
- ✓ Unlimited download, email, print of included content
- ✓ Editorial Enhancements
- ✓ Online full-service citator and citation verification service (KeyCite, WestCheck)
- ✓ Research tools (Research Recommendations, Westlaw Answers, Snapshots)
- ✓ Analytical and organizational tools (Folder Analysis, Research Report, Custom Pages)
- ✓ Alerts* and Current Awareness services (KeyCite Alert, WestClip) *[Excludes daily and continuous alerts.]
- ✓ Online account management tools (My Account, QuickView+)
- ✓ Mobile access

STATE OF TEXAS DEPARTMENT OF INFORMATION RESOURCES CONTRACT FOR PRODUCTS AND RELATED SERVICES – DIR CONTRACT NO. DIR-LGL-CALIR-02

LEGAL RESEARCH

OPTION 1B—ALL STATE AND FEDERAL RESOURCES WITH NEWS DATABASES

This option provides access to an expanded collection of primary and analytical resources, including all state and federal, as well news databases.

Included Content:	<ul style="list-style-type: none"> ▪ All Primary Law Library ▪ Texas Practice Series Library ▪ Texas Practice Guide Library ▪ Texas Jurisprudence Library ▪ Federal Practice and Procedure Library ▪ American Jurisprudence (AMJUR) Library ▪ Employment Regulations Suite ▪ Regulations with Editorial Enhancements ▪ U.S. News Library 						
Fixed Monthly Charge:	Monthly Per User Per Agency Location Pricing						
# of Users	Initial Term*	Year 1	Year 2	Year 3	Year 4	Option Year 5	Option Year 6
1-25	\$77	\$77	\$81	\$85	\$89	\$94	\$98
26-50	\$73	\$73	\$77	\$81	\$85	\$89	\$93
51-100	\$69	\$69	\$73	\$77	\$80	\$84	\$89
101-150	\$66	\$66	\$69	\$73	\$76	\$80	\$84
151-200	\$63	\$63	\$66	\$69	\$73	\$76	\$80
201 +	\$60	\$60	\$63	\$66	\$69	\$72	\$76

*Initial Term is included to cover that term from contract execution through August 31, 2017. Each subsequent year will begin September 1, in alignment with the Texas fiscal calendar. Cost of services during Initial Term and Year 1 is flat.

Note: Purchasing agencies with 1,000+ users may choose to contact West directly for custom pricing.

PACKAGE DESCRIPTION

Following are brief descriptions of the content, features, and services included in Option 1B.

Content

All Primary Law Library—Federal and state case law, administrative decisions, 50 state statutes (including United States Code Annotated), and administrative rules and regulations.

Texas Practice Series Library—Comprehensive reference set for Texas attorneys, covering laws and rules on real property and evidence, as well as other titles such as The Jury Charge for Texas Civil Litigation and County and Special District Law.

Texas Practice Guide Library—Coverage of essential Texas practice areas with direct links to Texas Jurisprudence 3d, West's Texas Digest, Vernon's Texas Statutes and Codes Annotated and South Western Reporter 2d.

Texas Jurisprudence Library—Full text of Texas Jurisprudence, 3d.

American Jurisprudence (AMJUR) Library—Full text of AMJUR 2d, which provides authoritative answers to any aspect of civil, criminal, substantive, and procedural law. Cases, statutes, and regulations from all 50 states and federal courts are researched and analyzed to create Am Jur articles.

All Federal Practice and Procedure Library—Definitive treatise on practicing law in the federal courts.

Employment Regulations Suite—Texas State Office of Administrative Hearings Decisions, as well as administrative decisions and guidance documents from all 50 states. It provides a one-stop source for efficient regulatory research on employment, whether users are advising on overtime, workers' compensation, employee drug testing, or other areas of employment law.

Regulations with Editorial Enhancements (formerly *RegulationsPlus*)—Federal regulatory research system that helps researchers stay fully informed on regulatory issues with editorial summaries of case law decisions, notification tools, version history, and citing references.

U.S. News Library—Thousands of news and business information sources that offer reliable, comprehensive, and current and archival information from the United States. Sources include: newspapers, wires, news magazines, television and radio transcripts, financial news, business publications, and industry publications.

Features and Services

- ✓ Training (Initial and on-going at no additional charge)
- ✓ Service availability (24/7/365)
- ✓ Technical support (24/7/365)
- ✓ Research assistance (24/7/365)
- ✓ Unlimited access/usage of included content
- ✓ Unlimited download, email, print of included content
- ✓ Editorial Enhancements
- ✓ Online full-service citator and citation verification service (KeyCite, WestCheck)

- ✓ Research tools (Research Recommendations, Westlaw Answers, Snapshots)
- ✓ Analytical and organizational tools (Folder Analysis, Research Report, Custom Pages)
- ✓ Alerts and Current Awareness services (KeyCite Alert, WestClip) *[Excludes daily and continuous alerts.]
- ✓ Online account management tools (My Account, QuickView+)
- ✓ Mobile access

STATE OF TEXAS DEPARTMENT OF INFORMATION RESOURCES CONTRACT FOR PRODUCTS AND RELATED SERVICES – DIR CONTRACT NO. DIR-LGL-CALIR-02

LEGAL RESEARCH

OPTION 1—OPTIONAL ADD-ON CONTENT

If an agency selects an Option 1 Legal Research package (1A – 1B), the following optional separately priced add-on libraries are available. For any add-ons selected by the agency, the corresponding monthly per-user charge will be added to the Legal Research package charge.

Optional Add-On Content (Monthly Per User Per Agency Location Pricing)							
Library Name	Initial Term*	Year 1	Year 2	Year 3	Year 4	Opt. Yr. 5	Opt. Yr. 6
All Analytical Library	\$19	\$19	\$20	\$21	\$22	\$23	\$24
American Law Reports (ALR) Library	\$11	\$11	\$12	\$12	\$13	\$13	\$14
American Jurisprudence (AMJUR) Library	\$11	\$11	\$12	\$12	\$13	\$13	\$14
Corpus Juris Secundum (CJS) Library	\$11	\$11	\$12	\$12	\$13	\$13	\$14
Law Reviews and Journals Library	\$4	\$4	\$4	\$4	\$5	\$5	\$5
Municipal Practitioner Core Library	\$11	\$11	\$12	\$12	\$13	\$13	\$14
Criminal Expert Resources	\$13	\$13	\$14	\$14	\$15	\$16	\$17
Regulations with Editorial Enhancements	\$8	\$8	\$8	\$9	\$9	\$10	\$10
PeopleMap Premier	\$75	\$75	\$79	\$83	\$87	\$91	\$96
Texas Analytical Library	\$13	\$13	\$14	\$14	\$15	\$16	\$17
Texas Employment Practitioner Core Library	\$15	\$15	\$16	\$17	\$17	\$18	\$19
Texas Criminal Secondary Library	\$12	\$12	\$13	\$13	\$14	\$15	\$15
Texas Family Law Core Library	\$11	\$11	\$12	\$12	\$13	\$13	\$14
Texas Pleadings, Motions, and Memoranda Library	\$15	\$15	\$16	\$17	\$17	\$18	\$19
Texas Briefs Plus Library	\$21	\$21	\$22	\$23	\$24	\$26	\$27
Texas Graphical Bundle—Graphical Statutes, PastStat Locator, and Legislative History Library	\$21	\$21	\$22	\$23	\$24	\$26	\$27
Texas Form Finder	\$11	\$11	\$12	\$12	\$13	\$13	\$14

*Initial Term is included to cover that term from contract execution through August 31, 2017. Each subsequent year will begin September 1, in alignment with the Texas fiscal calendar. Cost of services during Initial Term and Year 1 is flat.

PACKAGE DESCRIPTION

Content

Please see following page for brief descriptions of the content available as optional add-ons to Options 1A and 1B.

Features and Services

- ✓ Training (Initial and on-going at no additional charge)
- ✓ Service availability (24/7/365)
- ✓ Technical support (24/7/365)
- ✓ Research assistance (24/7/365)
- ✓ Unlimited access/usage of included content
- ✓ Download, email, print of included content
- ✓ Editorial Enhancements
- ✓ Online full-service citator and citation verification service (KeyCite, WestCheck)
- ✓ Research tools (Research Recommendations, Westlaw Answers, Snapshots)
- ✓ Analytical and organizational tools (Folder Analysis, Research Report, Custom Pages)
- ✓ Alerts and Current Awareness services (KeyCite Alert, WestClip) **[Excludes daily and continuous alerts.]*
- ✓ Online account management tools (My Account, QuickView+)
- ✓ Mobile access

LEGAL RESEARCH

OPTION 1—OPTIONAL ADD-ON CONTENT

Following are brief descriptions of the content available as optional add-on to Options 1A – 1B.

Content Descriptions

All Analytical Library—Combines expert legal analysis with forms, jury instructions, and more. Includes ALR, All AMJUR, Restatements of the Law, Federal Practice and Procedure, Causes of Action, Forms, Jury Instructions, and Law Reviews and Journals.

American Law Reports (ALR) Library—Leading case-finding tool in America. It is a continuing series of articles that collect and analyze every court case decided on a particular point of law. Contains full text of First, Second, Third, Fourth, Fifth, Sixth, and Federal Series.

American Jurisprudence (AMJUR) Library—Full text of AMJUR 2d, which provides authoritative answers to any aspect of civil, criminal, substantive, and procedural law. Cases, statutes, and regulations from all 50 states and federal courts are researched and analyzed to create Am Jur articles.

Corpus Juris Secundum (CJS) Library—CJS helps researchers understand unfamiliar areas of law by providing links to cases, statutes, regulations, West Key Numbers, Restatements of the Law, and more. It provides quick overviews of topics with Black Letter Summaries and is also fully integrated with the West Key Number System.

Law Reviews and Journals Library—Respected law reviews, law journals, and other professional legal publications.

Municipal Practitioner Core Library—Legal analysis, treatises, practice guides, and forms for the municipal law practitioner. This library consolidates municipal law analytical materials on Westlaw into one collection to save researchers time. It provides access to titles such as McQuillin Municipal Law Report, Matthews Municipal Ordinances, and Zoning and Planning Law Report.

Criminal Expert Resources Library—Essential resources for finding a criminal expert witness, including Expert, Attorney, and Judge Profiles; Expert Witness Curricula Vitae and Resumes; and Expert Witness Checklists.

Regulations with Editorial Enhancements (formerly RegulationsPlus)—Federal regulatory research system that helps researchers stay fully informed on any regulatory issue with editorial summaries of case law decisions, notification tools, version history, citing references and more.

PeopleMap Premier—comprehensive and current collection of public records and investigative information resources for locating people, assets, licenses and registrations, adverse filings, and business and corporate information. Includes advanced tools for efficient searching.

Texas Analytical Library—Complete collection of Texas-related legal guides, forms and authorities on topics such as on workers compensation, personal injury and torts practice, civil rules practice and more.

Texas Employment Practitioner Core Library—Essential employment law practice guides, forms, checklists, journals, and law reviews. Covers topics such as employment litigation, transactional and compliance topics.

Texas Criminal Secondary Library—Secondary materials needed for those practicing in Texas courts. Includes Texas-specific jury instructions and analytical materials, jurisdictional and national practice guides, forms and checklist, news, criminal journals, law reviews, and more.

Texas Family Law Core Library—Wide range of current Texas family law forms which helps users to analyze the law and evaluate legal strategy with West's respected secondary treatises and CLE materials.

Texas Pleadings, Motions, and Memoranda—Selected trial pleadings, motions, and memoranda from Texas state courts. These materials provide ideas, strategies, and insight to help learn how attorneys in previous cases pled and argued similar fact situations and law.

Texas Briefs Plus Library—Appellate briefs filed in Texas state courts and Federal briefs from the U.S. Court of Appeals for the Fifth Circuit and U.S. Supreme Court. Provides selected trial pleadings, motions, memoranda, and jury instructions from Texas state courts, as well as pleadings, motions, and memoranda from U.S. district and bankruptcy courts within the jurisdiction of the Fifth Circuit.

Texas Graphical Bundle—Graphical Statutes, PastStat Locator, and Legislative History Library—Includes Graphical Statutes, PastStat Locator, and the Texas Legislative History Library.

- *Graphical Statutes*. Illustrates the evolution of statute in an easy-to-read display that incorporates the prior, current and future versions of a statute.
- *PastStat Locator*. Instant access to the statute version that was in effect on the date the legal matter actually occurred, beginning on January 1, 1999.
- *Legislative History*. Journals, floor debates, reports, bill drafts, testimony, Governor's messages and votes.

Texas Form Finder—Hundreds of easily searchable official forms for Texas state, local and federal courts, as well as government agencies.

OPTION 2—INVESTIGATIVE RESEARCH (PER PASSWORD)

This option provides access to Thomson Reuters CLEAR Investigations Basic for Texas law enforcement and for investigators in agencies and other state government offices. CLEAR Investigations Basic is an enhanced version of the previous CLEAR product West offered under the CCG Contract. It provides more content and augmented capabilities over its predecessors.

CLEAR public records data provides tremendous benefit to authorized users in locating persons and assets, verifying identities, identifying businesses and business affiliations, and uncovering potentially adverse information. CLEAR provides comprehensive data sources with current and historical data, enhanced functionality, and exclusive offerings that comprise the most comprehensive investigative platform available.

Under this plan, investigators and analysts in law enforcement and other government agencies will access and search CLEAR's public records data, publicly available data, and proprietary data via the CLEAR platform (available via web browser on computer or mobile device). Additional delivery modes for CLEAR data as well as other premium features and services are available via a CLEAR custom package plan (see Option 3, Custom Packages).

Pricing and brief descriptions of the content, features and services included in Option 2 are provided on the following page.

STATE OF TEXAS DEPARTMENT OF INFORMATION RESOURCES CONTRACT FOR PRODUCTS AND RELATED SERVICES – DIR CONTRACT NO. DIR-LGL-CALIR-02

INVESTIGATIVE RESEARCH

OPTION 2—CLEAR INVESTIGATIONS BASIC

2. CLEAR Investigations Basic (Monthly Per User Pricing)							
# of Users	Initial Term*	Year 1	Year 2	Year 3	Year 4	Option Year 5	Option Year 6
1-250	\$66	\$66	\$69	\$73	\$76	\$80	\$84
251-500	\$63	\$63	\$66	\$69	\$73	\$76	\$80
501-750	\$60	\$60	\$63	\$66	\$69	\$72	\$76
751+	\$57	\$57	\$59	\$62	\$66	\$69	\$72

*Initial Term is included to cover that term from contract execution through August 31, 2017. Each subsequent year will begin September 1, in alignment with the Texas fiscal calendar. Cost of services during Initial Term and Year 1 is flat.

Pricing Notes:

- Tier pricing will remain fixed for the duration of the year. Tiers are based on the total number of users within an individual option and do not aggregate across other options or states. Invoices will be generated at the location level.
- Purchasing agencies with 1,000+ users may choose to contact West directly for custom pricing.

PACKAGE DESCRIPTION

Following is a brief description of the content included in Option 2.

Content

CLEAR Investigations Basic—Provides access to CLEAR’s standard searching, reporting, and functionality. CLEAR standard search types include: Person, Business, Phone, Property, Vehicles, Watercraft, License, and Court. Also includes comprehensive Individual and Company reports, as well as more streamlined Contact and Basic reports. A dashboard provides access to tools such as Quick Analysis Flags and Address Mapping, and the Workspace feature provides link chart and mapping capabilities. (Excluded content: TransUnion credit header gateway, Vehicles gateway, Web Analytics feature.)

Features and Services

- ✓ Training (Initial and on-going at no additional charge)
- ✓ Service availability (24/7/365)
- ✓ Technical support (24/7/365)
- ✓ Download, email, print of included content
- ✓ Analytical and organizational tools (My Workspace)
- ✓ Online account management tools (My Account, QuickView+)
- ✓ Mobile access

OPTION 3—CUSTOM PACKAGES

Custom packages are offered in recognition that Texas state and local agencies may have diverse and unique needs that cannot be met by the pre-packaged content sets provided by West's Options 1 and 2.

These custom packages provide purchasing agencies with maximum flexibility to purchase custom packages of online legal, investigative, law enforcement, correctional, print, and other Thomson Reuters/West products and solutions that are specifically tailored to the research needs of individual agencies and end users. Offering customized packages allows an agency to enjoy the best value, in terms of both price and content.

Pricing is not available under this option as the custom agency-specific pricing will be negotiated with the purchasing agency based on its research needs. Please contact your local West government representative for more information about these custom plans and to obtain your discount. West can also provide agencies with free trial access.

OTHER SIMILAR PRODUCTS OFFERED BY VENDOR

In addition to our core offerings, West offers additional products that may be of interest to DIR, such as legal drafting, practical law/legal know-how, case management, court management, continuing legal education (CLE), e-discovery, legal practice, and matter management. West also offers an expansive print collection, and print discounts might be available for eligible agencies. (Please note that some of our print discount plans are not packaged with online offerings.)

Please see your local West government representative for more information regarding any of these additional products.

Vendor Standard Terms and Conditions

The following terms and conditions apply to purchases made under this Contract for authorized/eligible State of Texas Department of Information Resources (hereinafter “DIR”) Customers.

- **Eligibility**—Available only to authorized Texas state and local agencies as agreed upon by the terms of the Contract negotiated between the Texas Department of Information Resources (“DIR”) and West Publishing Corporation (“West”). The following entities are eligible to purchase CALIR products and services under this Contract (Bid Package 4, Appendix A, Subsection 3(A), as amended by Exhibit A):

“Customer - any Texas state agency, unit of local government, institution of higher education as defined in Section 2054.003, Texas Government Code, the Electric Reliability Council of Texas, the Lower Colorado River Authority, a private school, as defined by Section 5.001, Education Code, a private or independent institution of higher education, as defined by Section 61.003, Education Code, a volunteer fire department, as defined by Section 152.001, Tax Code, and those state agencies purchasing from a DIR contract through an Interagency Agreement, as authorized by Chapter 771, Texas Government Code, any local government as authorized through the Interlocal Cooperation Act, Chapter 791, Texas Government Code, and the state agencies and political subdivisions of other states as authorized by Section 2054.0565, Texas Government Code, subject to West’s approval, and except for telecommunications services under Chapter 2170, Texas Government Code.”

Please note: West does not agree to allow entities as defined in Sections B-J of Bid Package 4, Appendix A, Subsection 3(B-J) to purchase products and services under this contract.

The rates set forth hereunder are available only to authorized state and local government personnel accessing West products for government purposes.

Pursuant to the RFO, West’s contract may be extended to other non-Texas state agencies and political subdivisions of other states, subject to West’s approval.

- **Agency/Purchasing Agency Locations**—Each purchasing agency location must subscribe separately (for Options 1 and 2). Access is limited to the agency’s personnel at that location. Purchasing agencies with multiple locations may purchase under Option 3 (Custom Packages).
- **Authorized Users**—Only users authorized to use West products by the purchasing agency may access and use West products under the terms of this agreement, and such use must be solely for purposes directly related to the purchasing agency’s research and work.
- **Passwords**—Each user must be assigned a separate password. Passwords may only be used by the person to whom the password is issued. Sharing of passwords between or among users is STRICTLY PROHIBITED. West reserves the right to issue additional passwords to the purchasing agency and invoice the Password Rate if West learns that the product has been used by a person other than the person to whom the password has been issued.
- **Password Rates**—The Monthly Charge per User under each option will NOT be prorated. Requests for passwords by new Subscribers or requests for additional passwords by current Subscribers that are processed by West by the last day of a month will be billed the entire Monthly Charge per User for each password request during such month. The Monthly Charge per User for Subscribers that elect to change from one option to another will be effective on the first day of the month following receipt and approval of the appropriate documentation by West.
- **Included and Excluded Charges**—Purchasing agencies will receive the content package as described in their West Order Form. Access to and usage of any other databases, features, and services is excluded and will be billed separately as excluded charges. The excluded content, features, and services will be charged at the applicable rates (including applicable transaction, communications, and other associated charges, if any) for each database, feature, or service accessed according to the then-current terms and conditions as set forth in

the then-current Schedule A Plan 2 Westlaw Government Service or Schedule A Plan 2 Westlaw PRO (Westlaw), or the then-current CLEAR Services Schedule A (CLEAR).

West may, at its option, make certain databases, features, and services excluded charges if West is contractually bound or otherwise required to do so by a contributor of data to West, or if the databases, features, and services are enhanced or released after the effective date of any contract awarded to West pursuant to this Response. Purchasing entities will receive online notification and may have the option to change plans or terminate if a material change is made.

- **CLEAR Usage**—West’s proposal allows for CLEAR usage up to ten times the proposed fixed-rate guarantee. (Usage will be calculated using then-current retail rates.) In the event the purchasing agency’s CLEAR usage exceeds this limit during any month of the proposed contract term, West may, at its option, (1) limit the purchasing agency’s access to live gateways for the remainder of the contract term, (2) request that the parties enter into good faith negotiations for an adjusted fixed rate, or (3) terminate the contract (after providing ten days written notice to the purchasing agency).
- **New Databases, Features, Services, and Platforms**—West reserves the right to charge for any new databases, features, services, or platforms released during the term of this contract (whether “third-party” databases or not), and such charges may be separate from and in addition to the Fixed Monthly Charge. Such charges (if any) shall not be greater than the charges at which such databases, features, services, or platforms are made available to West’s other government subscribers under West’s then-current Schedule A Plan 2 Westlaw Government Service (Westlaw) or CLEAR Services Schedule A (CLEAR).

If, however, any new databases, features, services, or platforms released during the term of this contract are made generally available to government subscribers as part of their fixed rate agreement, West will also make these same new databases, features, services, or platforms available to the purchasing agency at no extra cost.

- **Ordering Documents**—The attached West Order Form and license agreement (General Terms and Conditions--Thomson Reuters Legal Products and Services) provide complete details regarding West’s offer. These documents will be incorporated by reference into and made part of any contract awarded to West. In addition, access to and usage of CLEAR requires completion of the then-current Account Validation and Certification (AVC) Form. (Current copies of these documents are included in Appendix D.)
- **Contractor Information**—Any contract resulting from this proposal will be with:

Legal Contracting Entity:	West Publishing Corporation
Doing Business As (DBA):	West, a Thomson Reuters business
Corporate Address:	610 Opperman Drive, Eagan, MN 55123
Remittance Address:	P.O. Box 6292, Carol Stream, IL 60197-6292
Federal Tax ID #:	41-1426973
DUNS #:	14-850-8286
Cage Code:	89101

- **Ordering Instructions**—Authorized purchasing agencies may purchase products off the Contract by contacting their West government representative and completing the applicable West Order Form and any necessary credentialing documents, and attaching the applicable West Order Form with the content/pricing option selected by the purchasing agency. Note that all Order Forms must reference the State Contract number and the Option(s) selected.
- **Signature Requirements**— The applicable Order Form and any related documentation must be signed by an authorized representative. In lieu of a signed Order Form, an agency must submit a Purchase Order that contains the following incorporating clause: “This Purchase Order incorporates the attached West Order Form made pursuant to the DIR Contract No. DIR-LGL-CALIR-02.”

- **Order Processing**—Orders will be processed as follows:
 - **Options 1 and 2:** Service will begin 5-7 days following receipt of a fully executed, clean, and process-able West Order Form, and after any necessary credentialing has been completed.
 - **Option 3:** Service will begin the first day of the first month following receipt of the fully executed West Order Form and after any necessary credentialing has been completed, provided adequate time is available for implementing the contract. In general, to implement a contract, West must receive the fully executed, applicable West Order Form no later than five business days prior to the end of the month preceding the start of service.

Orders received that do not follow these guidelines will not be accepted or will delay processing.

- **Survivability**—At the time of expiration or cancellation of the Contract, any existing multi-year agreement between West and a purchasing agency will remain in effect and continue to exist under the terms and conditions of the Contract, including payment for services, until the term expires as set forth in the multi-year agreement.

SOFTWARE LICENSE AGREEMENTS AND SAMPLE ORDERING DOCUMENTS

Copies of West's software license agreements and ordering documents/forms are part of Appendix D.

MEMORANDUM

TO: COMMISSIONERS COURT
FROM: FRAN LEE
SUBJECT: BUDGET AMENDMENT
DATE: JUNE 20, 2018

The following budget amendment for Beaumont Maintenance is necessary for the change order that was approved on 6/11/18 for additional cost for water damage restoration to various offices due to upstairs restroom malfunction at the Annex.

120-6083-416-6014	Capital - Buildings &	
	Structures	\$1,847
120-9999-415-9999	Contingency	\$1,847

Notice of Meeting and Agenda and Minutes
June 11, 2018

4. Consider and approve, execute, receive and file Change Order No. 1 for (JOC 18-014/DC) with SETEX Construction Corp. for Annex 1 repairs due to water damage, for an increase of \$1,847.08 for drywall repairs; bringing the total contract amount from \$42,843.38 up to \$44,690.46. This is in accordance with Choice Partners JOC Texas Contract 15/041JN-11-2015.

SEE ATTACHMENTS ON PAGES 13 - 17

Motion by: Commissioner Weaver

Second by: Commissioner Alfred

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Sinegal, Commissioner Alfred

Action: APPROVED

COUNTY AIRPORT:

5. Consider, possibly approve and authorize the County Judge to execute a 90-day extension of the Due-Diligence Period in the lease agreements of airport property between Jefferson County, Texas and GLOW Investment, Inc.

SEE ATTACHMENTS ON PAGES 18 - 19

Motion by: Commissioner Weaver

Second by: Commissioner Sinegal

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Sinegal, Commissioner Alfred

Action: APPROVED

COUNTY AUDITOR:

6. Consider and approve budget amendment - Constable Pct.6 - replacement of furniture & equipment due to water damage.

120-3070-425-3084	MINOR EQUIPMENT	\$700.00	
120-3070-425-3078	OFFICE SUPPLIES	\$500.00	
120-9999-415-9999	CONTINGENCY APPROPRIATION		\$1,200.00

SEE ATTACHMENTS ON PAGES 20 - 20

Motion by: Commissioner Arnold

Second by: Commissioner Alfred

In favor: County Judge Branick, Commissioner Arnold, Commissioner Weaver, Commissioner Sinegal, Commissioner Alfred

Action: APPROVED

CHECK NO. HERE **427575**

INVOICE DATE	INVOICE NUMBER	P.O. NUMBER	AMOUNT OF INVOICE	ACCOUNT NUMBER	ITEM DESCRIPTION
10/31/2016	67		40,715.42	120-2037-412.50-15	

DETACH BEFORE DEPOSITING

DATE 11/21/2016	VENDOR NUMBER 209496	CHECK NUMBER 427575	TOTAL CHECK AMOUNT \$*****40,715.42
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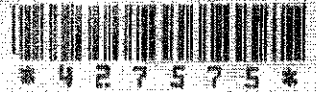
APPROVED

20

CHECK AND APPROVED

ASSISTANT AUDITOR

COUNTY JUDGE



JEFFERSON COUNTY

11/21/2016 209496 \$*****40,715.42

** VOID AFTER 90 DAYS

Allowed by Commissioners' Court of Jefferson County, Texas

PAY *****40715 AND 42/100 DOLLARS

JOSH SCHAFFER PLLC
1021 MAIN ST SUITE 1440
HOUSTON TX 77002

427575 1203824 9600128915

SCHAFER LAW OFFICES

NOT A PARTNERSHIP
1021 MAIN, SUITE 1440
HOUSTON, TEXAS 77002

Randy Schaffer, P.C.
noguilt@subell.net
Josh Schaffer, P.L.L.C.
josh@joshschaffertlaw.com
Joel Hayter
joelhayterlaw@gmail.com

FY16
(713) 951-9555
FAX: (713) 951-9854
www.schafferfirm.com

November 1, 2016

Honorable Stephen B. Ables
700 Main St.
Kerrville, Texas 78028

VIA EMAIL: sables700@gmail.com
sables@kctc.com

Re: Jefferson County Attorney Pro Tem Appointment

Dear Judge Ables:

Enclosed for interim payment please find my invoices for fees and out-of-pocket expenses from the inception of my appointment as the Criminal District Attorney Pro Tem of Jefferson County in July of 2015 through October of 2016. My fees to date are \$38,928.75, and my out-of-pocket expenses to date are \$1,786.67, for a sum total of \$40,715.42. *OK PS*

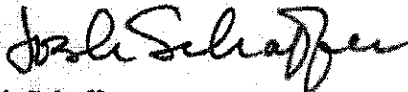
After you approve payment, please forward same to the Jefferson County Auditor for processing. I understand his contact information to be:

Patrick Swain
Jefferson County Auditor
1149 Pearl St., 7th Floor
Beaumont, Texas 77701
409-835-8500
pswain@co.jefferson.tx.us

I also am enclosing a letter from Judge John Stevens, who appointed me, confirming that he and the County Auditor agreed to pay me at a rate of \$175 per hour of my time.

Please contact me with any questions or if you require any additional information.

Sincerely,



Josh Schaffer

JS/vg
Enclosures

120-2037-412-50-15



CHAMBERS OF
JUDGE JOHN B. STEVENS, JR.
CRIMINAL DISTRICT COURT
JEFFERSON COUNTY COURTHOUSE

August 15, 2016

Mr. Josh Schaffer
Shaffer Law Offices
1021 Main, Suite 1440
Houston, Texas 77002

IN RE: L.W., S.B., C.K. and T.S., Grand Jury Investigation and Prosecution,
January Term 2016, Jefferson County, Texas

Dear Mr. Schaffer:

This letter is written to acknowledge that based upon earlier conversations with the Jefferson County Auditor, Patrick Swain, the agreed upon fee for your efforts as the Appointed Prosecutor Pro Tem is at a rate of \$175 per hour. Please inform me if there is any additional information you need from me in this regard.

Thank you for your attention to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "John B. Stevens, Jr.", is written over a horizontal line.

John B. Stevens, Jr.

4:44 PM

11/01/16

Accrual Basis

Josh Schaffer, PLLC
Advanced Case Cost Detail
 July 2015 through October 2016

Type	Date	Num	Memo	Debit	Credit	Balance
Jefferson County Atty Pro Tem						
Bill	10/06/2015	Supplies	copies (10-16-15)	3.00		3.00
Bill	03/01/2016	Supplies	copies (3-23-16)	22.40		25.40
Bill	03/01/2016	Supplies	copies (3-24-16)	22.40		47.80
Bill	03/01/2016	Support Staff	secretary (3-24-16)	2.00		49.80
Bill	03/01/2016	Supplies	copies (3-24-16)	11.60		61.40
Bill	03/01/2016	Supplies	copies (3-29-16)	9.60		71.00
Bill	03/01/2016	Supplies	copies (3-30-16)	9.60		80.60
Bill	03/11/2016		hotel (4-6-16)	104.50		185.10
General Journal	03/24/2016	80	travel (3-23-16)	104.00		289.10
Bill	04/01/2016	Support Staff	secretary (4-1-16)	11.50		300.60
Bill	04/01/2016	Support Staff	secretary (4-13-16)	1.00		301.60
Bill	04/01/2016	Support Staff	secretary (4-20-16)	1.50		303.10
Bill	04/01/2016	Support Staff	secretary (4-28-16)	7.00		310.10
Bill	04/04/2016	Supplies	copies (4-5-16)	33.60		343.70
Bill	04/04/2016	Supplies	copies (4-13-16)	3.20		346.90
Bill	04/04/2016	Supplies	copies (4-19-16)	14.40		361.30
Bill	04/04/2016	Supplies	copies (4-20-16)	7.60		368.90
Bill	04/04/2016	Supplies	binder (4-20-16)	1.00		369.90
Bill	04/04/2016	Supplies	copies (4-25-16)	8.20		378.10
Bill	04/04/2016	Supplies	copies (4-26-16)	10.00		388.10
Bill	04/04/2016	Supplies	DVD (4-28-16)	1.00		389.10
General Journal	04/06/2016	83	travel (4-5 & 4-6)	104.00		493.10
General Journal	04/13/2016	86	travel (4-13-16)	104.00		597.10
Bill	04/15/2016		hotel (4-27-16)	107.35		704.45
Bill	04/18/2016	PACER	PACER (4-18-16)	17.40		721.85
General Journal	04/21/2016	87	travel (4-21-16)	104.00		825.85
General Journal	04/27/2016	88	travel (4-26 & 4-27)	104.00		929.85
General Journal	04/27/2016	88	food (4-27-16)	8.27		938.12
Bill	05/02/2016	Supplies	copies (5-4-16)	3.60		941.72
Bill	05/02/2016	Supplies	copies (5-10-16)	37.60		979.32
General Journal	05/04/2016	89	travel (5-4-16)	104.00		1,083.32
General Journal	05/11/2016	90	travel (5-10 & 5-11-16)	104.00		1,187.32
Bill	05/12/2016		hotel (5-11-16)	102.35		1,289.67
Bill	06/02/2016	Supplies	copies (6-28-16)	14.80		1,304.47
Bill	06/02/2016	Supplies	copies (6-29-16)	7.20		1,311.67
Bill	06/12/2016	Westlaw	Westlaw (6-12-16)	13.95		1,325.62
Bill	07/05/2016	Supplies	copies (7-7-16)	1.60		1,327.22
Bill	07/05/2016	Supplies	copies (7-31-16)	26.20		1,353.42
Bill	07/12/2016	Westlaw	Westlaw (7-12-16)	96.89		1,450.31
Bill	08/03/2016	Supplies	copies (8-4-16)	6.00		1,456.31
Bill	08/03/2016	Supplies	copies (8-5-16)	15.40		1,471.71
Bill	08/03/2016	Supplies	copies (8-14-16)	18.80		1,490.51
Bill	08/03/2016	Supplies	copies (8-24-16)	3.60		1,494.11
Bill	08/03/2016	Supplies	copies (8-30-16)	5.20		1,499.31
General Journal	08/15/2016	96	travel (8-15-16)	104.00		1,603.31
Bill	08/16/2016		food (8-15-16)	9.77		1,613.08
Bill	09/05/2016	Supplies	copies (9-5-16)	29.00		1,642.08
Bill	09/05/2016	Supplies	copies (9-7-16)	0.60		1,642.68
Bill	09/05/2016	Supplies	binders (9-8-16)	2.00		1,644.68
Bill	09/05/2016	Supplies	CD (9-8-16)	1.00		1,645.68
Bill	09/08/2016	Support Staff	secretary (9-8-16)	5.00		1,650.68
Bill	09/12/2016	Westlaw	Westlaw (9-12-16)	16.89		1,667.57
Bill	09/14/2016		FedEx (9-15-16)	7.22		1,674.79
Bill	10/04/2016	Supplies	CDs (10-18-16)	6.00		1,680.79
Bill	10/04/2016	Supplies	copies (10-18-16)	38.80		1,719.59
Bill	10/04/2016	Supplies	copies (10-31-16)	1.60		1,721.19
Bill	10/04/2016	Supplies	copies (10-24-16)	13.20		1,734.39
Bill	10/04/2016	Supplies	copies (10-26-16)	1.20		1,735.59
Bill	10/04/2016	Supplies	copies (10-27-16)	4.00		1,739.59
Bill	10/17/2016	Westlaw	Westlaw (10-17-16)	46.08		1,784.67
Bill	10/17/2016	Support Staff	secretary (10-18-16)	2.00		1,786.67
Total Jefferson County Atty Pro Tem				1,786.67	0.00	1,786.67
TOTAL				1,786.67	0.00	1,786.67

Josh Schaffer, PLLC

1021 Main, Suite 1440

Houston, TX 77002

Phone # 713-951-9555

Invoice #: 67

Invoice Date: 7/29/2015

Due Date: 10/31/2016

Case:

Bill To:

Patrick Swain
 Jefferson County Auditor
 1149 Pearl St., 7th Floor
 Beaumont, Texas 77701

Date	Description	Hours/Qty	Rate	Amount
7/27/2015	phone calls	0.7	175.00	122.50
7/28/2015	phone call	0.2	175.00	35.00
7/29/2015	phone call	0.3	175.00	52.50
7/29/2015	execute and send oath	0.2	175.00	35.00
7/29/2015	draft media statement	0.2	175.00	35.00
7/29/2015	phone call	0.8	175.00	140.00
7/30/2015	phone call	0.5	175.00	87.50
8/28/2015	phone call	0.2	175.00	35.00
8/29/2015	preparation	1	175.00	175.00
9/2/2015	phone call	0.4	175.00	70.00
10/5/2015	phone call	0.3	175.00	52.50
10/6/2015	phone calls	0.4	175.00	70.00
10/16/2015	preparation; conference	4	175.00	700.00
2/23/2016	phone calls	0.4	175.00	70.00
3/21/2016	phone call	0.25	175.00	43.75
3/22/2016	phone call; preparation	4.2	175.00	735.00
3/23/2016	travel; grand jury	8.75	175.00	1,531.25
3/24/2016	phone calls	1.75	175.00	306.25
3/28/2016	phone call	0.1	175.00	17.50
3/29/2016	emails; phone call; preparation	4.9	175.00	857.50
3/30/2016	phone calls; preparation	0.85	175.00	148.75
3/31/2016	preparation; phone calls; memo	2.6	175.00	455.00
4/4/2016	phone calls; emails	1.2	175.00	210.00
4/5/2016	preparation; conference; phone calls; travel	8.3	175.00	1,452.50
4/6/2016	grand jury; travel	12.8	175.00	2,240.00
4/11/2016	phone calls	1.1	175.00	192.50
4/12/2016	phone calls	0.45	175.00	78.75
4/13/2016	preparation; travel; grand jury; conference	10.75	175.00	1,881.25
4/15/2016	phone calls; email	0.25	175.00	43.75

Total

Payments/Credits

Balance Due

Please make all checks payable to "Josh Schaffer, PLLC."

Josh Schaffer, PLLC
 1021 Main, Suite 1440
 Houston, TX 77002

Phone # 713-951-9555

Bill To:

Patrick Swain
 Jefferson County Auditor
 1149 Pearl St., 7th Floor
 Beaumont, Texas 77701

Invoice #: 67
 Invoice Date: 7/29/2015
 Due Date: 10/31/2016
 Case:

Date	Description	Hours/Qty	Rate	Amount
4/17/2016	preparation	0.9	175.00	157.50
4/18/2016	phone call	0.1	175.00	17.50
4/19/2016	phone call	0.2	175.00	35.00
4/20/2016	preparation; travel; grand jury	10.5	175.00	1,837.50
4/21/2016	phone calls	0.4	175.00	70.00
4/22/2016	phone call	0.1	175.00	17.50
4/25/2016	phone calls; preparation	1.6	175.00	280.00
4/26/2016	preparation; travel	5.2	175.00	910.00
4/27/2016	conference; grand jury; travel	11.25	175.00	1,968.75
4/28/2016	emails; phone calls	0.3	175.00	52.50
4/29/2016	preparation; phone calls; memo to file	2.4	175.00	420.00
5/2/2016	phone call	0.35	175.00	61.25
5/4/2016	preparation; travel; grand jury	10.75	175.00	1,881.25
5/5/2016	phone call; draft and send request	0.55	175.00	96.25
5/6/2016	phone calls; emails	0.7	175.00	122.50
5/9/2016	phone calls	0.6	175.00	105.00
5/10/2016	phone calls; preparation; travel	10.4	175.00	1,820.00
5/11/2016	grand jury; clerk; phone calls; travel	10.25	175.00	1,793.75
5/12/2016	phone calls; preparation; research memo	2.55	175.00	446.25
5/16/2016	emails; phone call	0.3	175.00	52.50
5/19/2016	phone call	0.3	175.00	52.50
5/23/2016	phone call	0.15	175.00	26.25
5/24/2016	phone call	0.1	175.00	17.50
5/25/2016	conference with defense counsel	1.5	175.00	262.50
5/26/2016	phone calls	0.65	175.00	113.75
6/9/2016	phone call	0.25	175.00	43.75
6/10/2016	phone call	0.1	175.00	17.50
6/13/2016	phone call; emails	0.2	175.00	35.00
6/15/2016	Support Staff	0.25	35.00	8.75

Total

Payments/Credits

Balance Due

Please make all checks payable to "Josh Schaffer, PLLC."

Josh Schaffer, PLLC
 1021 Main, Suite 1440
 Houston, TX 77002

Phone # 713-951-9555

Bill To:

Patrick Swain
 Jefferson County Auditor
 1149 Pearl St., 7th Floor
 Beaumont, Texas 77701

Invoice #: 67

Invoice Date: 7/29/2015

Due Date: 10/31/2016

Case:

Date	Description	Hours/Qty	Rate	Amount
6/16/2016	emails	0.1	175.00	17.50
6/28/2016	phone calls; read DA's brief & Kolander PT writ; research	3.3	175.00	577.50
6/29/2016	phone call; prepare for hearing; phone hearing w/ court & defense counsel; conference w/ defense counsel; research	2.15	175.00	376.25
6/30/2016	phone call	0.2	175.00	35.00
7/5/2016	emails	0.25	175.00	43.75
7/6/2016	comply w/ PIA request; conferences	0.8	175.00	140.00
7/7/2016	email; comply w/ PIA request; emails; phone calls	1.1	175.00	192.50
7/8/2016	conference	1	175.00	175.00
7/25/2016	phone call; email	0.4	175.00	70.00
7/26/2016	comply w/ PIA	0.75	175.00	131.25
7/31/2016	preparation	0.3	175.00	52.50
8/1/2016	phone call	0.3	175.00	52.50
8/3/2016	phone calls; emails	2.5	175.00	437.50
8/4/2016	preparation; response to writs	12	175.00	2,100.00
8/5/2016	response to writs; phone call	3.7	175.00	647.50
8/11/2016	email	0.5	175.00	87.50
8/12/2016	email	0.2	175.00	35.00
8/13/2016	email	0.2	175.00	35.00
8/14/2016	preparation	6.4	175.00	1,120.00
8/15/2016	travel; court	8.5	175.00	1,487.50
8/16/2016	draft & edit proposed court order; emails; preparation	3.65	175.00	638.75
8/17/2016	conference re potential appeal; email; phone call	1.4	175.00	245.00
8/19/2016	phone call; conference	0.8	175.00	140.00
8/24/2016	preparation; motions/notices; phone call; emails	4.8	175.00	840.00
8/25/2016	phone call	0.1	175.00	17.50

Total

Payments/Credits

Balance Due

Please make all checks payable to "Josh Schaffer, PLLC."

Josh Schaffer, PLLC
 1021 Main, Suite 1440
 Houston, TX 77002

Phone # 713-951-9555

Invoice #: 67
 Invoice Date: 7/29/2015
 Due Date: 10/31/2016
 Case:

Bill To:

Patrick Swain
 Jefferson County Auditor
 1149 Pearl St., 7th Floor
 Beaumont, Texas 77701

Date	Description	Hours/Qty	Rate	Amount
8/26/2016	phone call; emails	0.85	175.00	148.75
8/29/2016	phone call; email	0.2	175.00	35.00
8/30/2016	appeal docs; phone calls	2.4	175.00	420.00
9/2/2016	phone call; emails	0.2	175.00	35.00
9/6/2016	discovery compliance	1.4	175.00	245.00
9/7/2016	phone calls; research; email	0.6	175.00	105.00
9/8/2016	phone call; emails	0.3	175.00	52.50
9/12/2016	file review w/ defense counsel	0.75	175.00	131.25
9/15/2016	phone calls; email	0.95	175.00	166.25
9/21/2016	brief	9.15	175.00	1,601.25
9/29/2016	phone call	0.15	175.00	26.25
9/30/2016	email	0.1	175.00	17.50
10/18/2016	discovery compliance	4.75	175.00	831.25
10/25/2016	emails	0.5	175.00	87.50
10/26/2016	phone calls w/ defense counsel; emails	1.4	175.00	245.00
10/27/2016	emails; phone calls; review appellate motion	2.8	175.00	490.00
Total				\$38,928.75
Payments/Credits				\$0.00
Balance Due				\$38,928.75

Please make all checks payable to "Josh Schaffer, PLLC."

CAUSE NO. 16-24975

STATE OF TEXAS	*	IN THE 252 ND DISTRICT COURT
VS.	*	OF
WILLIAM RALPH WALKER	*	JEFFERSON COUNTY, TEXAS

CAUSE NOS. 16-24976 & 16-24677

STATE OF TEXAS	*	IN THE 252 ND DISTRICT COURT
VS.	*	OF
STEVEN BROUSSARD	*	JEFFERSON COUNTY, TEXAS

CAUSE NOS. 16-24978 & 16-24979

STATE OF TEXAS	*	IN THE 252 ND DISTRICT COURT
VS.	*	OF
JOHN CHAD KOLANDER	*	JEFFERSON COUNTY, TEXAS

CAUSE NOS. 16-24980 & 16-24981

STATE OF TEXAS	*	IN THE 252 ND DISTRICT COURT
VS.	*	OF
TIMOTHY SMITH	*	JEFFERSON COUNTY, TEXAS

ORDER

Please pay the attached invoices for fees and out of pocket expenses for Appointment of Attorney Pro Tem to Josh Schaffer in the amount of \$40,715.42. (See itemized expenses from July, 2015 – October, 2016).

Signed and approved on this the 7 day of Nov., 2016.



STEPHEN B. ABLES,
JUDGE PRESIDING

JEFFERSON COUNTY, TEXAS

FINANCIAL & OPERATING
STATEMENTS - COUNTY FUNDS ONLY

For the Month Ending May 31, 2018



Patrick Swain - County Auditor

PATRICK SWAIN
COUNTY AUDITOR
(409) 835-8500



1149 PEARL ST. - 7TH FLOOR
BEAUMONT, TEXAS 77701

June 19, 2018

Honorable Commissioners Court:
Judge Jeff R. Branick
Commissioner Eddie Arnold
Commissioner Brent Weaver
Commissioner Michael "Shane" Sinegal
Commissioner Everette "Bo" Alfred

Gentlemen:

In compliance with Section 114.023 of the Local Government Code, I herewith present the monthly report of the financial condition of Jefferson County as of May 31, 2018 together with the results of operations of the budget for the eighth period then ended.

Revenue:

Total budgeted revenue collected for the month ending May 31, 2018 is \$104,933,897. Budgeted Revenues are \$118,751,599 leaving \$13,817,702 in revenue to be collected in order to meet our budgetary revenue goals. Highlights of revenues are as follows:

Property Taxes:

Property tax collections are \$79,238,906 for the eight months of the year. This amount represents 98% of the budgeted amount of \$80,620,917.

Sales Taxes:

Sixty-seven percent of budgeted revenue for sales taxes has been collected. Sales Tax revenue is budgeted to be \$24,000,000.

Page Two

Licenses & Permits:

Revenues from Licenses & Permits have exceeded the budgeted amount of \$426,700 by \$239,018.

Intergovernmental:

Eighty-two percent of Intergovernmental Revenue has been collected. Intergovernmental Revenue is budgeted to be \$1,215,791.

Fees:

Sixty-one percent of the budgeted revenue for Fees has been collected. Revenue from Fees is budgeted to be \$10,646,591 for the year.

Fines and Forfeitures:

Seventy percent of Fines and Forfeitures have been collected. Revenues from Fines and Forfeitures are budgeted to be \$1,625,000.

Interest:

Revenues from Interest have exceeded the budgeted amount of \$192,600 by \$164,103.

Other Revenues:

Thirty-eight dollars has been collected in Other Revenues. Revenues from Other Revenues are budgeted to be \$24,000 for the year.

Expenditures:

Overall for the County's budgeted funds, fifty-nine percent of the expenditures have been spent.

Page Three

Expenditures are budgeted to be \$127,366,337, which includes General Funds and debt service funds, excluding budgeted transfers of \$4,576,247 for the fiscal year ending September 30, 2018.

Please call me if you have any questions on the enclosed report.

Sincerely,

A handwritten signature in black ink, appearing to be 'PS', with a long horizontal line extending to the right.

Patrick Swain
County Auditor

JEFFERSON COUNTY, TEXAS
FINANCIAL & OPERATING
STATEMENTS - COUNTY FUNDS ONLY
FOR THE MONTH ENDING MAY 31, 2018
TABLE OF CONTENTS

	<u>PAGE</u>
Consolidated Balance Sheet	1
Statement of Changes in Fund Balances	2
Statement of Revenues by Category - Compared with Budget Allocation	3
Statement of Revenues - Compared with Budget Allocation	4-5
Statement of Expenditures - Compared with Budget Allocation – 67% Budget Expended	6
Statement of Expenditures - Compared with Budget Allocation	7-8
Statement of Bonded Indebtedness	9
Statement of Transfers In and Out	10

Jefferson County, Texas
Consolidated Balance Sheet
For the Month Ending May 31, 2018

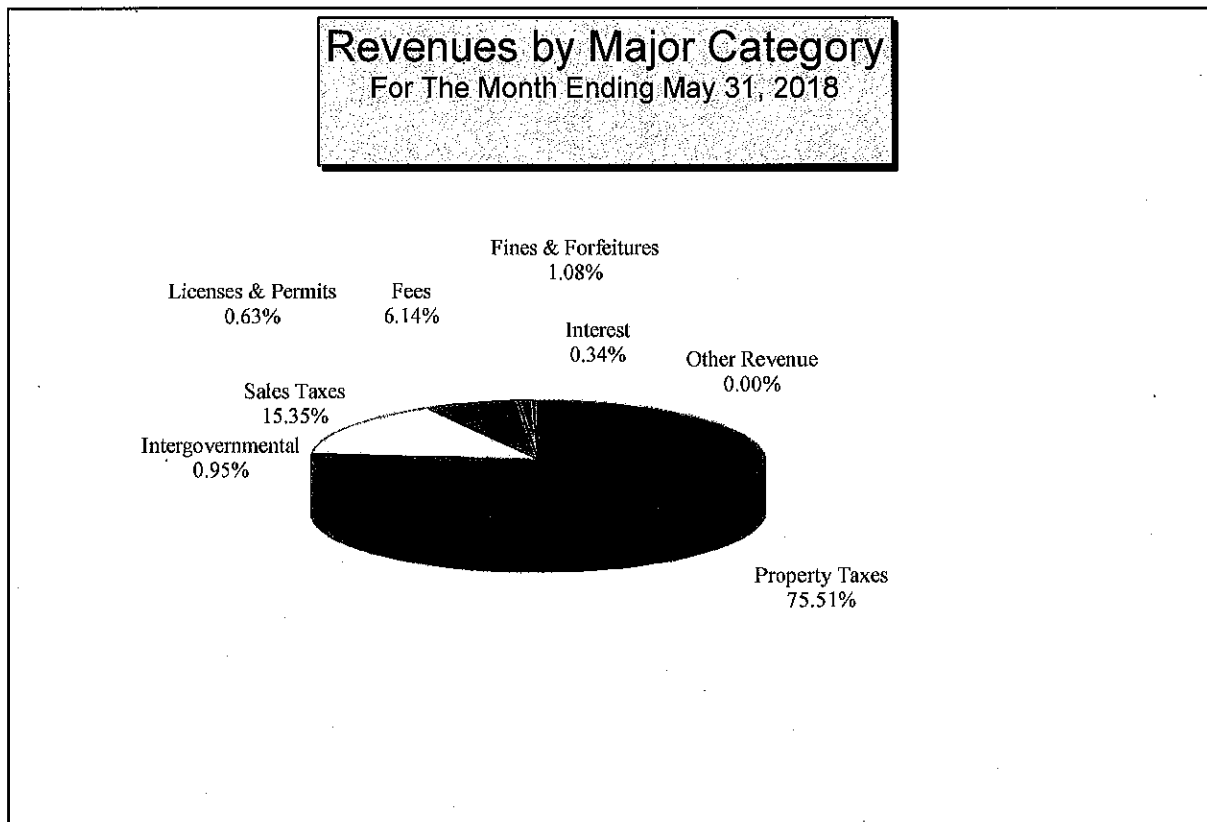
	General Funds	Special Revenue Funds	Capital Project Funds	Debt Service Funds	Enterprise Funds	Internal Service Funds	Total
<u>ASSETS</u>							
Cash and Cash Equivalents	\$ 74,362,283	18,102,531	2,529,736	4,740,335	(401,420)	(6,390,914)	\$ 92,942,551
Receivables & Prepaids	6,430,894	66,999	-	158,747	44,741	-	6,701,381
Intergovernmental Receivables	3,521,717	-	-	-	-	-	3,521,717
Due From Other Funds	150,497	-	-	-	-	-	150,497
Inventory	557,847	16,009	-	-	119,277	-	693,133
Other Assets	-	-	-	-	82,431,242	-	82,431,242
Total Assets	\$ <u>85,023,238</u>	\$ <u>18,185,539</u>	\$ <u>2,529,736</u>	\$ <u>4,899,082</u>	\$ <u>82,193,840</u>	\$ <u>(6,390,914)</u>	\$ <u>186,440,521</u>
<u>LIABILITIES AND FUND BALANCE/EQUITY</u>							
Payables	\$ 3,936,035	636,596	-	-	1,417,179	3,583,720	\$ 9,573,530
Intergovernmental Payables	360	-	-	-	84	-	444
Due To Other Funds	-	-	-	-	-	-	-
Other Liabilities	8,975,629	-	-	143,424	473,213	-	9,592,266
Fund Balance/Equity	<u>72,111,214</u>	<u>17,548,943</u>	<u>2,529,736</u>	<u>4,755,658</u>	<u>80,303,364</u>	<u>(9,974,634)</u>	<u>167,274,281</u>
Total Liabilities and Fund Balance/Equity	\$ <u>85,023,238</u>	\$ <u>18,185,539</u>	\$ <u>2,529,736</u>	\$ <u>4,899,082</u>	\$ <u>82,193,840</u>	\$ <u>(6,390,914)</u>	\$ <u>186,440,521</u>

Jefferson County, Texas
Statement of Changes in Fund Balances
For The Month Ending May 31, 2018

	4/30/2018	For the Month Ending May 31, 2018				5/31/2018
	Fund Balance	Receipts	Disbursements	Transfers In(/Out)	Prior Period Adjustment	Fund Balance
Jury Fund	\$ 394,235	\$ 6,194	16,915	\$ -	\$ -	\$ 383,514
Road & Bridge Pct. 1	3,264,629	77,771	96,104	-	-	3,246,296
Road & Bridge Pct. 2	927,239	73,091	126,547	-	-	873,783
Road & Bridge Pct. 3	666,715	66,704	109,629	-	-	623,790
Road & Bridge Pct. 4	2,249,486	88,230	119,813	-	-	2,217,903
Engineering Fund	511,707	6,854	71,442	-	-	447,119
Parks & Recreation	138,457	6,310	3,947	-	-	140,820
General Fund	62,510,787	4,126,693	7,504,094	(9,441)	-	59,123,945
Mosquito Control Fund	1,567,535	13,629	114,569	-	-	1,466,595
Tobacco Settlement Fund	3,585,599	1,850	-	-	-	3,587,449
Total General Funds	75,816,389	4,467,326	8,163,060	(9,441)	-	72,111,214
Total Special Revenue Funds	17,881,983	990,065	1,332,546	9,441	-	17,548,943
Total Capital Project Funds	2,568,845	1,274	40,383	-	-	2,529,736
Total Debt Service Funds	4,719,395	36,263	-	-	-	4,755,658
Total Enterprise Funds	80,700,484	259,037	656,157	-	-	80,303,364
Total Internal Service Funds	(10,462,430)	2,240,299	1,752,503	-	-	(9,974,634)
Total Balances	\$ 171,224,666	\$ 7,994,264	\$ 11,944,649	\$ -	\$ -	\$ 167,274,281

Jefferson County Texas
Statement of Revenues by Category - Compared with Budget Allocation
For The Month Ending May 31, 2018

<u>Category</u>	<u>Cumulative Actual</u>	<u>Annual Budget</u>	<u>Unrealized Balance</u>	<u>Percentage Unrealized</u>
Property Taxes	\$ 79,238,906	\$ 80,620,917	\$ 1,382,011	1.71%
Sales Taxes	16,097,312	24,000,000	7,902,688	32.93%
Licenses & Permits	665,718	426,700	(239,018)	-56.02%
Intergovernmental	1,000,488	1,215,791	215,303	17.71%
Fees	6,442,941	10,646,591	4,203,650	39.48%
Fines & Forfeitures	1,131,791	1,625,000	493,209	30.35%
Interest	356,703	192,600	(164,103)	-85.20%
Other Revenue	38	24,000	23,962	99.84%
	<u>\$ 104,933,897</u>	<u>\$ 118,751,599</u>	<u>\$ 13,817,702</u>	<u>11.64%</u>



Jefferson County, Texas
Statement of Revenues - Compared With Budget Allocation
For The Month Ending May 31, 2018

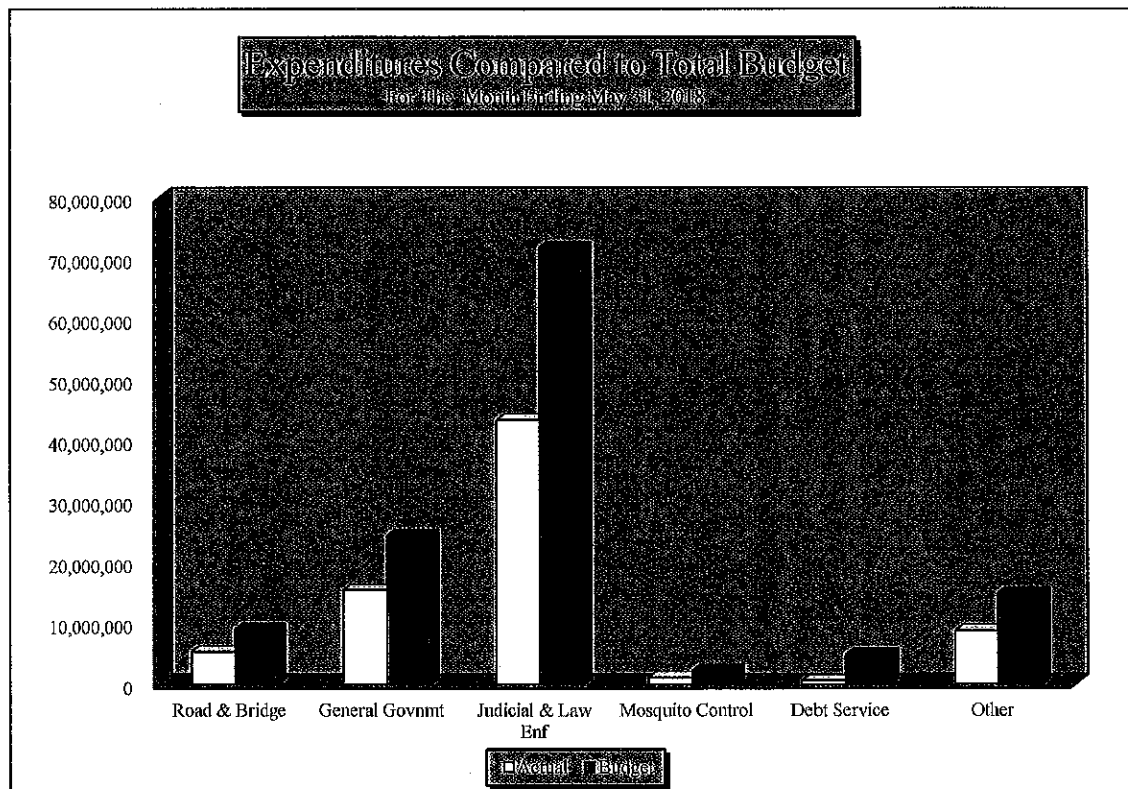
	October 2017							Cumulative		Annual	Unrealized
	-December	January	February	March	April	May		Total		Budget	Balance
Jury Fund											
Current Taxes	\$ 19,987	\$ 36,757	\$ 73,656	\$ 3,443	\$ 703	\$ 755	\$	135,301	\$	137,496	\$ 2,195
Delinquent Taxes	964	301	(21)	941	299	365		2,849		3,716	867
Jury Fees	9,059	3,843	4,922	4,579	4,486	5,074		31,963		35,000	3,037
Other Revenue	-	57,494	-	33,932	-	-		91,426		200,000	108,574
Road & Bridge Pct. 1											
Current Taxes	84,058	154,584	309,765	14,480	2,958	3,176		569,021		578,251	9,230
Delinquent Taxes	1,858	579	(40)	1,813	575	704		5,489		7,158	1,669
Intergovernmental Revenue	-	-	-	-	-	-		-		-	-
Auto Registration Fees	-	28,765	51,107	-	-	-		79,872		564,960	485,088
Road & Bridge Fees	131,972	36,852	53,052	51,098	58,755	45,908		377,637		558,540	180,903
Sales, Rentals & Services	2,276	-	248	87	111	-		2,722		-	(2,722)
Fines and Forfeitures	44,902	19,457	24,050	26,289	30,867	27,983		173,548		231,120	57,572
Road & Bridge Pct. 2											
Current Taxes	79,017	145,314	291,189	13,612	2,781	2,986		534,899		543,574	8,675
Delinquent Taxes	1,702	532	(37)	1,662	527	645		5,031		6,559	1,528
Intergovernmental Revenue	-	-	-	-	-	-		-		-	-
Auto Registration Fees	-	27,040	48,042	-	-	-		75,082		531,080	455,998
Road & Bridge Fees	124,053	34,642	49,871	48,034	55,232	43,155		354,987		525,045	170,058
Sales, Rentals & Services	-	-	-	-	-	-		-		-	-
Fines and Forfeitures	42,210	18,290	22,608	24,713	29,016	26,305		163,142		217,260	54,118
Road & Bridge Pct. 3											
Current Taxes	72,111	132,613	265,737	12,422	2,538	2,725		488,146		496,062	7,916
Delinquent Taxes	1,554	484	(34)	1,517	481	589		4,591		5,987	1,396
Intergovernmental Revenue	-	-	-	-	-	-		-		-	-
Auto Registration Fees	-	24,677	43,843	-	-	-		68,520		484,660	416,140
Road & Bridge Fees	113,211	31,614	45,512	43,835	50,404	39,382		323,958		479,153	155,195
Sales, Rentals & Services	-	964	2,057	2,030	-	-		5,051		-	(5,051)
Fines and Forfeitures	38,522	16,693	20,633	22,554	26,481	24,008		148,891		198,270	49,379
Road & Bridge Pct. 4											
Current Taxes	92,143	169,453	339,560	15,873	3,243	3,482		623,754		633,869	10,115
Delinquent Taxes	1,985	619	(43)	1,937	614	752		5,864		7,648	1,784
Intergovernmental Revenue	-	-	-	-	-	-		-		1,200	1,200
Auto Registration Fees	-	31,532	56,023	-	-	-		87,555		619,300	531,745
Road & Bridge Fees	144,662	40,397	58,155	56,013	64,407	50,324		413,958		612,263	198,305
Sales, Rentals & Services	(2,116)	2,466	8,380	-	1,077	3,000		12,807		-	(12,807)
Fines and Forfeitures	49,219	21,327	26,362	28,817	33,835	30,672		190,232		253,350	63,118
Other Revenue	-	-	-	-	-	-		-		-	-

Jefferson County, Texas
Statement of Revenues - Compared With Budget Allocation
For The Month Ending May 31, 2018

	October 2017							Cumulative		Annual	Unrealized
	-December	January	February	March	April	May		Total		Budget	Balance
Engineering Fund											
Current Taxes	\$ 131,364	\$ 241,581	\$ 484,094	\$ 22,630	\$ 4,623	\$ 4,964	\$	889,256	\$	903,677	\$ 14,421
Delinquent Taxes	3,010	938	(65)	2,938	932	1,140		8,893		11,598	2,705
Licenses and Permits	400	-	-	-	200	750		1,350		650	(700)
Sales, Rentals & Services	-	-	200	-	-	-		200		500	300
Parks & Recreation											
Current Taxes	6,798	12,501	25,051	1,171	239	257		46,017		46,763	746
Delinquent Taxes	170	53	(4)	166	53	64		502		655	153
Sales, Rentals & Services	17,161	4,959	5,140	5,815	4,979	5,989		44,043		65,175	21,132
General Fund											
Current Taxes	11,251,900	20,692,462	41,464,797	(5,801,718)	396,004	425,163		68,428,608		69,558,088	1,129,480
Delinquent Taxes	248,685	77,543	(5,399)	242,923	76,988	94,243		734,983		958,300	223,317
Sales Taxes	2,481,732	2,754,675	3,209,940	2,387,647	2,414,683	2,848,635		16,097,312		24,000,000	7,902,688
Other Taxes	38	-	-	-	-	-		38		24,000	23,962
Licenses and Permits	104,523	44,994	45,810	36,515	390,411	42,115		664,368		426,050	(238,318)
Intergovernmental Revenue	110,165	178,440	66,092	105,512	310,259	138,594		909,062		1,014,591	105,529
Fees of Office	967,109	305,887	367,300	326,970	379,043	303,788		2,650,097		4,108,265	1,458,168
Other Sales, Rentals & Svcs.	889,971	(125,677)	206,302	453,596	258,997	231,300		1,914,489		2,062,650	148,161
Fines & Forfeitures	130,462	124,960	49,305	54,190	90,778	6,283		455,978		725,000	269,022
Interest	174,437	21,016	38,994	16,587	45,659	36,572		333,265		175,000	(158,265)
Other Revenue	-	-	-	-	-	-		-		-	-
Mosquito Control Fund											
Current Taxes	300,191	552,058	1,106,246	51,713	10,565	11,343		2,032,116		2,065,072	32,956
Delinquent Taxes	6,034	1,881	(131)	5,890	1,868	2,286		17,828		23,252	5,424
Sales, Rentals & Services	-	-	-	-	-	-		-		-	-
Tobacco Settlement Fund											
Interest	4,771	1,519	1,564	751	2,193	1,850		12,648		10,000	(2,648)
Debt Service											
Current Taxes	686,111	1,261,773	2,528,413	118,194	24,147	25,925		4,644,563		4,558,065	(86,498)
Delinquent Taxes	20,379	6,527	115	19,910	6,370	7,894		61,195		75,127	13,932
Interest	1,663	849	1,977	979	2,878	2,444		10,790		7,600	(3,190)
Other, Sales, Rentals & Svcs.	-	-	-	-	-	-		-		-	-
Total	\$ 18,590,423	\$ 27,196,228	\$ 51,390,338	\$ (1,537,940)	\$ 4,791,259	\$ 4,503,589	\$	104,933,897	\$	118,751,599	\$ 13,817,702

Jefferson County, Texas
Statement of Expenditures - Compared With Budget Allocation - 67% of Budget Expended
For The Month Ending May 31, 2018

	<u>Cumulative Actual</u>	<u>Annual Budget</u>	<u>Unencumbered Balance</u>	<u>Percentage Unencumbered</u>
Jury Fund	\$ 291,547	\$ 650,474	\$ 358,927	55.18%
Road & Bridge Funds	4,788,811	7,838,368	3,049,557	38.91%
Engineering Fund	573,925	1,031,055	457,130	44.34%
Parks & Recreation Fund	46,184	180,731	134,547	74.45%
General Fund:				
General Government	15,500,880	24,431,601	8,930,721	36.55%
Judicial	11,624,610	19,376,092	7,751,482	40.01%
Law Enforcement	31,557,092	51,740,731	20,183,639	39.01%
Education	204,396	424,338	219,942	51.83%
Health & Welfare	4,899,234	8,582,605	3,683,371	42.92%
Maintenance	2,555,221	3,930,758	1,375,537	34.99%
Other	1,039,098	1,910,046	870,948	45.60%
Mosquito Control Fund	1,136,443	2,260,280	1,123,837	49.72%
Tobacco Settlement	100,000	100,000	-	-
Debt Service Funds	636,594	4,909,258	4,272,664	87.03%
	<u>\$ 74,954,035</u>	<u>\$ 127,366,337</u>	<u>\$ 52,412,302</u>	<u>41.15%</u>



Statement of Expenditures - Compared With Budget Allocation

For The Month Ending May 31, 2018

	October 2017							Cumulative	Annual	Unencumbered
	December	January	February	March	April	May	Encumbrances	Total	Budget	Balance
Jury Fund	\$ 138,897	\$ 22,693	\$ 41,116	\$ 18,208	\$ 49,675	\$ 16,915	\$ 4,043	\$ 291,547	\$ 650,474	\$ 358,927
Road & Brdg Pct. 1	335,952	186,069	92,933	82,999	168,735	96,104	147,619	1,110,411	1,743,419	633,008
Road & Brdg Pct. 2	381,012	352,998	125,132	106,771	138,163	126,547	178,011	1,408,634	2,016,500	607,866
Road & Brdg Pct. 3	346,826	204,070	106,767	139,673	121,865	109,629	110,421	1,139,251	1,992,224	852,973
Road & Brdg Pct. 4	384,267	117,075	118,895	69,501	130,887	119,813	190,077	1,130,515	2,086,225	955,710
Engineering	227,788	66,319	66,192	68,021	72,726	71,442	1,437	573,925	1,031,055	457,130
Parks & Recreation	13,103	5,877	5,957	8,319	6,698	3,947	2,283	46,184	180,731	134,547
Tax Assessor/Coll.	1,042,424	297,995	299,706	293,666	295,600	284,714	6,666	2,520,771	4,015,207	1,494,436
Human Resources	112,623	32,425	31,722	32,652	37,349	34,829	2,096	283,696	446,431	162,735
County Auditor	369,944	93,220	98,540	98,853	96,090	97,928	5,382	859,957	1,524,752	664,795
County Clerk	540,523	180,813	169,229	168,280	178,301	170,839	55,461	1,463,446	2,364,127	900,681
County Judge	190,513	70,010	57,820	56,990	70,934	61,843	671	508,781	921,974	413,193
Risk Management	68,238	19,859	19,566	19,556	20,043	19,628	-	166,890	258,592	91,702
County Treasurer	99,336	29,620	29,932	30,020	30,392	29,967	454	249,721	395,842	146,121
Printing Department	33,883	8,490	11,221	9,457	13,496	10,687	11,740	98,974	173,275	74,301
Purchasing Department	143,176	42,899	45,392	40,902	41,435	40,794	10,501	365,099	571,359	206,260
General Services	2,735,606	670,853	1,374,017	777,407	757,809	567,809	68,160	6,951,661	10,580,229	3,628,568
MIS	584,857	152,796	139,867	147,034	143,994	167,779	38,816	1,375,143	2,180,603	805,460
Voter's Registration	72,687	3,362	8,740	5,348	8,362	6,741	68	105,308	158,956	53,648
Elections	231,498	42,766	50,357	144,611	43,904	30,200	8,097	551,433	840,254	288,821
District Attorney	1,688,120	514,307	485,433	498,552	501,476	498,391	6,680	4,192,959	6,894,201	2,701,242
District Clerk	497,368	148,207	147,639	144,795	157,875	152,235	11,592	1,259,711	1,956,148	696,437
Criminal Dist. Court	319,600	113,417	103,324	121,776	100,963	112,494	115	871,689	1,530,482	658,793
58th Dist. Court	73,697	21,581	21,397	21,253	21,420	21,572	120	181,040	305,645	124,605
60th Dist. Court	77,767	22,878	22,859	22,854	23,210	23,069	426	193,063	302,717	109,654
136th Dist. Court	81,242	23,128	22,554	21,499	16,488	21,966	1,086	187,963	308,347	120,384
172nd Dist. Court	74,651	21,721	21,650	20,164	20,897	20,912	67	180,062	306,186	126,124
252nd Dist. Court	233,119	82,916	79,648	76,010	103,775	102,229	2,447	680,144	1,160,612	480,468
279th Dist. Court	95,757	27,904	38,347	32,993	45,459	28,732	-	269,192	406,909	137,717
317th Dist. Court	192,039	44,221	56,206	60,879	56,828	67,847	460	478,480	808,245	329,765
J.P. Pct. 1 Pl 1	94,388	28,328	27,721	28,230	29,112	28,486	454	236,719	382,394	145,675
J.P. Pct. 1 Pl 2	93,684	25,121	24,763	24,639	26,896	26,217	382	221,702	381,038	159,336
J.P. Pct. 2	75,897	23,418	22,376	23,339	21,363	21,348	210	187,951	354,110	166,159
J.P. Pct. 4	91,079	27,367	27,796	27,201	27,813	27,192	1,110	229,558	375,490	145,932
J.P. Pct. 6	93,172	27,068	27,457	27,220	27,275	32,511	1,074	235,777	389,111	153,334
J.P. Pct. 7	89,627	25,925	25,834	25,411	25,007	25,519	1,714	219,037	379,034	159,997
J.P. Pct. 8	88,785	25,907	25,694	27,205	26,460	26,124	25	220,200	372,025	151,825
Cnty. Court at Law 1	123,338	36,583	36,612	36,457	37,125	37,270	149	307,534	486,260	178,726
Cnty. Court at Law 2	150,764	43,711	43,004	44,980	39,860	43,672	87	366,078	631,471	265,393
Cnty. Court at Law 3	183,404	54,479	54,771	53,318	54,319	54,585	430	455,306	736,035	280,729
Court Master	137,834	47,020	37,026	29,098	29,012	28,948	-	308,938	643,372	334,434

Jefferson County, Texas
Statement of Expenditures - Compared With Budget Allocation
For The Month Ending May 31, 2018

921

	October 2017							Cumulative	Annual	Unencumbered
	December	January	February	March	April	May	Encumbrances	Total	Budget	Balance
Dispute Resolution	\$ 55,654	\$ 20,161	\$ 15,489	\$ 16,823	\$ 15,615	\$ 16,446	\$ 1,319	\$ 141,507	\$ 266,260	\$ 124,753
Alternative School	107,722	31,490	31,490	31,980	31,490	31,498	-	265,670	413,246	147,576
Comm. Supervision	995	435	435	6,280	6,358	358	-	14,861	19,082	4,221
Sheriff's Dept.	3,515,913	1,029,840	994,051	988,554	997,554	959,581	45,736	8,531,229	13,713,696	5,182,467
Crime Lab	293,571	82,078	91,954	99,171	94,401	94,614	39,765	795,554	1,434,162	638,608
Jail	6,391,809	2,589,434	1,745,557	2,257,506	2,002,776	2,048,047	378,522	17,413,651	28,340,933	10,927,282
Juvenile Probation	326,561	100,220	99,410	95,098	99,108	101,917	5,177	827,491	1,651,152	823,661
Juvenile Detention	467,989	145,578	143,526	151,742	146,198	139,061	64,580	1,258,674	2,169,233	910,559
Constable Pct. 1	191,028	53,566	53,680	63,092	58,105	56,444	1,372	477,287	779,226	301,939
Constable Pct. 2	115,680	33,607	33,789	33,874	34,281	34,286	562	286,079	463,423	177,344
Constable Pct. 4	116,425	31,794	31,918	31,998	35,070	64,373	2,052	313,630	497,948	184,318
Constable Pct. 6	142,472	39,574	38,829	39,264	39,989	41,392	356	341,876	569,104	227,228
Constable Pct. 7	109,980	32,947	33,060	33,980	33,415	34,991	411	278,784	448,389	169,605
Constable Pct. 8	115,592	33,943	33,868	33,854	34,344	33,971	495	286,067	456,137	170,070
County Morgue	118,531	66,718	98,900	38,450	73,170	64,204	6,266	466,239	785,000	318,761
Agriculture Ext.	83,711	23,386	22,362	23,740	23,873	25,979	1,345	204,396	424,338	219,942
Public Health # 1	304,659	85,920	87,917	84,988	95,154	94,540	3,463	756,641	1,290,638	533,997
Public Health # 2	296,468	82,680	85,260	86,698	95,571	94,100	5,386	746,163	1,282,065	535,902
Nurse Practitioner	78,169	25,953	24,546	21,537	24,540	22,404	9,204	206,353	316,395	110,042
Child Welfare	32,593	1,898	3,756	1,288	20,913	5,343	-	65,791	120,000	54,209
Env. Control	96,650	48,194	29,205	28,890	30,387	29,259	333	262,918	422,187	159,269
Ind. Medical Svcs.	224,935	1,887,837	81,176	98,239	64,926	125,195	231,584	2,713,892	4,907,433	2,193,541
Emergency Mgmt.	59,913	17,459	17,456	17,599	17,450	17,599	-	147,476	243,887	96,411
Beaumont Maintenance	432,752	214,979	202,439	232,556	331,476	255,414	310,373	1,979,989	2,963,624	983,635
Port Arthur Maint.	166,151	49,430	46,784	48,548	56,422	48,368	32,084	447,787	742,916	295,129
Mid-County Maint.	40,055	15,153	16,102	13,741	15,613	13,297	13,484	127,445	224,218	96,773
Service Center	218,620	79,230	90,993	77,784	88,512	103,032	184,925	843,096	1,034,377	191,281
Veteran Service	78,647	23,353	23,552	23,066	24,080	23,304	-	196,002	306,653	110,651
Mosquito Control	415,901	82,120	299,774	86,304	104,440	114,569	33,335	1,136,443	2,260,280	1,123,837
Tobacco Settlement	100,000	-	-	-	-	-	-	100,000	100,000	-
Debt Service Funds	500	636,094	-	-	-	-	-	636,594	4,909,258	4,272,664
Contingency	-	-	-	-	-	-	-	-	569,016	569,016
Total	\$ 27,308,131	\$ 11,550,487	\$ 8,722,490	\$ 8,452,785	\$ 8,514,322	\$ 8,163,060	\$ 2,242,760	\$ 74,954,035	\$ 127,366,337	\$ 52,412,302

Jefferson County, Texas
Statement of Bonded Indebtedness
For The Month Ending May 31, 2018

Issue	Beginning Amount Outstanding	2017-2018 Requirements				2017-2018 Payments				Ending Amount Outstanding
		Principal	Interest	Fees	Total	Principal	Interest	Fees	Total	
2012 Refunding Bonds	\$ 31,105,000	\$ 3,365,000	\$ 1,258,950	\$ 2,500	\$ 4,626,450	\$ -	\$ 629,475	\$ 1,965	\$ 631,440	\$ 31,105,000
2013 Refunding Bonds	275,000	275,000	5,308	2,500	282,808	-	2,654	2,500	5,154	275,000
	<u>\$ 31,380,000</u>	<u>\$ 3,640,000</u>	<u>\$ 1,264,258</u>	<u>\$ 5,000</u>	<u>\$ 4,909,258</u>	<u>\$ -</u>	<u>\$ 632,129</u>	<u>\$ 4,465</u>	<u>\$ 636,594</u>	<u>\$ 31,380,000</u>

Jefferson County, Texas
Statement of Transfers In and Out
For The Month Ending May 31, 2018

	<u>Fund</u>	<u>Transfers In</u>	<u>Transfers Out</u>
120	General Fund	-	1,286,144 (a)
120	General Fund	-	223,000 (b)
241	Sheriff Department Grants	2,669 (b)	-
245	Crime Victim's Clearing	108,117 (b)	-
248	Crime Victim's Clearing	757 (b)	-
257	Auto Theft Grant	24,061 (b)	-
265	Check Water & Sewer Phase 5	5,400 (b)	-
282	VAWA Fund	26,149 (b)	-
550	SETEC Fund	1,276,703 (a)	-
881	Port Security Grant	65,288 (b)	-
		<u>\$1,509,144</u>	<u>\$1,509,144</u>

(a) Budgeted Transfer

(b) Grant Match

PGM: GMCOMMV2	DATE 06-25-2018	PAGE: 1 925 TOTAL
NAME	AMOUNT	CHECK NO.
JURY FUND		
DAWN DONUTS	45.50	447893
ROAD & BRIDGE PCT.#1		45.50**
VULCAN MATERIALS CO.	51,857.92	447771
ROAD & BRIDGE PCT.#2		51,857.92**
SPIDLE & SPIDLE	3,828.15	447691
W.W. GRAINGER, INC.	118.21	447718
INTERSTATE BATTERIES OF BEAUMONT/PA	235.90	447724
MID-COUNTY ALTERNATOR	125.00	447735
MUNRO'S	40.00	447738
RITTER @ HOME	8.97	447749
SETZER HARDWARE, INC.	4.67	447754
BUMPER TO BUMPER	60.90	447811
CENTERPOINT ENERGY RESOURCES CORP	45.84	447813
MARTIN PRODUCT SALES LLC	8,134.50	447820
ROAD & BRIDGE PCT. # 3		12,602.14**
BEAUMONT TRACTOR COMPANY	33.93	447699
ENTERGY	27.54	447720
LOUIS' YAZOO SALES & SERVICE, LLC	289.60	447732
MUNRO'S	85.20	447738
OFFICE DEPOT	203.74	447743
VULCAN MATERIALS CO.	355.66	447771
WEAVER, FALGOUT, & CARRUTH, INC.	21.54	447772
SOUTHERN TIRE MART, LLC	1,258.82	447776
DEPARTMENT OF INFORMATION RESOURCES	.02	447781
WESTEND HARDWARD CO	25.98	447793
LOWE'S HOME CENTERS, INC.	188.60	447797
BILL WILLIAMS	200.00	447826
ON TIME TIRE	150.00	447849
RODNEY MARTEL	200.00	447864
SUPPLYWORKS	247.45	447888
ROAD & BRIDGE PCT.#4		3,288.08**
ABLE FASTENER, INC.	178.20	447687
SCOOTER'S LAWNMOWERS	45.00	447753
AT&T	77.86	447757
DEPARTMENT OF INFORMATION RESOURCES	.04	447781
UNITED STATES POSTAL SERVICE	5.17	447788
DIRECTV	105.92	447840
ON TIME TIRE	140.00	447849
SAM'S CLUB DIRECT	59.96	447851
ASCO	13,969.12	447858
GCR TIRES & SERVICE	755.48	447880
TRINITY VALLEY TRACTORS INC	499.92	447904
WAUKESHA-PEARCE INDUSTRIES LLC	323.25	447908
ENGINEERING FUND		16,159.92**
UNITED STATES POSTAL SERVICE	2.24	447788
GENERAL FUND		2.24**
TAX OFFICE		
OFFICE DEPOT	250.80	447743
ACE IMAGEWEAR	21.22	447755
DEPARTMENT OF INFORMATION RESOURCES	.07	447781
UNITED STATES POSTAL SERVICE	570.77	447788
ROCHESTER ARMORED CAR CO INC	352.00	447842
COUNTY HUMAN RESOURCES		1,194.86*
UNITED STATES POSTAL SERVICE	.41	447788
AUDITOR'S OFFICE		.41*

PGM: GMCOMMV2	DATE 06-25-2018	AMOUNT	CHECK NO.	PAGE: 2 926 TOTAL
UNITED STATES POSTAL SERVICE		18.47	447788	18.47*
COUNTY CLERK				
UNITED STATES POSTAL SERVICE		289.60	447788	
ARMOR SHRED		628.45	447831	918.05*
COUNTY JUDGE				
OFFICE DEPOT		488.51	447743	
UNITED STATES POSTAL SERVICE		1.62	447788	
JAN GIROUARD & ASSOCIATES LLC		600.00	447895	1,090.13*
RISK MANAGEMENT				
UNITED STATES POSTAL SERVICE		1.62	447788	
KIM ISAACS		152.52	447808	154.14*
COUNTY TREASURER				
UNITED STATES POSTAL SERVICE		130.14	447788	130.14*
PURCHASING DEPARTMENT				
BEAUMONT ENTERPRISE		2,139.10	447712	
FED EX		71.81	447716	
CASH ADVANCE ACCOUNT		711.75	447729	
PORT ARTHUR NEWS, INC.		1,091.25	447745	
UNITED STATES POSTAL SERVICE		6.10	447788	4,020.01*
GENERAL SERVICES				
B&L MAIL PRESORT SERVICE		1,521.48	447698	
CASH ADVANCE ACCOUNT		165.00	447729	
OFFICE DEPOT		80.97	447743	
TIME WARNER COMMUNICATIONS		72.79	447765	
ADVANCED STAFFING		97.50	447777	
TOWER COMMUNICATIONS, INC.		2,435.00	447786	
ALLISON, BASS & ASSOCIATES, LLP		1,560.25	447803	
ROCHESTER ARMORED CAR CO INC		4,005.34	447842	9,938.33*
DATA PROCESSING				
OFFICE DEPOT		54.36	447743	
TODD L. FREDERICK		355.34	447790	
ENSKILL		539.90	447925	949.60*
VOTERS REGISTRATION DEPT				
UNITED STATES POSTAL SERVICE		181.52	447788	181.52*
ELECTIONS DEPARTMENT				
RYDER TRANSPORTATION SERVICES		1,084.35	447693	
DEPARTMENT OF INFORMATION RESOURCES		.15	447781	1,084.50*
DISTRICT ATTORNEY				
CASH ADVANCE ACCOUNT		236.22	447729	
OFFICE DEPOT		355.02	447743	
UNITED STATES POSTAL SERVICE		156.10	447788	
DALLAS COUNTY TREASURER		40.00	447857	
THOMSON REUTERS-WEST		493.00	447861	
JAN GIROUARD & ASSOCIATES LLC		342.39	447895	
MARCELO MOLFINO		113.66	447897	1,736.39*
DISTRICT CLERK				
CASH ADVANCE ACCOUNT		300.24	447729	
OFFICE DEPOT		1,040.20	447743	
TRI-CITY COFFEE SERVICE		226.80	447768	
UNITED STATES POSTAL SERVICE		576.95	447788	
AERIALINK INC		185.94	447902	2,330.13*
CRIMINAL DISTRICT COURT				

PGM: GMCOMMV2	DATE 06-25-2018	PAGE: 3
NAME	AMOUNT	CHECK NO.
		TOTAL
EDWARD B. GRIPON, M.D., P.A.	2,975.00	447719
OFFICE DEPOT	23.75	447743
CLERK - SUPREME COURT OF TEXAS	265.00	447758
RENE MULHOLLAND	135.80	447770
UNITED STATES POSTAL SERVICE	6.88	447788
58TH DISTRICT COURT		3,406.43*
UNITED STATES POSTAL SERVICE	1.22	447788
136TH DISTRICT COURT		1.22*
CLERK - SUPREME COURT OF TEXAS	265.00	447758
UNITED STATES POSTAL SERVICE	1.97	447788
172ND DISTRICT COURT		266.97*
AMERICAN BAR ASSOCIATION	301.00	447694
252ND DISTRICT COURT		301.00*
TRAVIS EVANS	5,325.00	447714
OFFICE DEPOT	581.84	447743
UNITED STATES POSTAL SERVICE	60.92	447788
BRITTANIE HOLMES	800.00	447852
FELIX J SMITH JR	1,599.38	447927
279TH DISTRICT COURT		8,367.14*
DAVID GROVE	375.00	447692
PHILLIP DOWDEN	325.00	447695
ANITA F. PROVO	150.00	447747
NATHAN REYNOLDS, JR.	150.00	447748
CHARLES ROJAS	500.00	447779
JOHN D WEST	500.00	447784
GLEN M. CROCKER	500.00	447791
JOEL WEBB VAZQUEZ	450.00	447810
KIMBERLY PHELAN, P.C.	450.00	447816
RONALD PLESSALA	200.00	447832
P DEAN BRINKLEY	1,000.00	447841
JONATHAN L. STOVALL	150.00	447843
ALICIA K HALL	150.00	447848
MATUSKA LAW FIRM	600.00	447874
TARA SHELANDER	500.00	447877
MELANIE AIREY	150.00	447883
GORDON D FRIESZ	500.00	447889
LAW OFFICE OF SOLOMON FREIMUTH	862.50	447917
317TH DISTRICT COURT		7,512.50*
DAVID GROVE	800.00	447692
ANITA F. PROVO	1,400.00	447747
NATHAN REYNOLDS, JR.	150.00	447748
CHARLES ROJAS	150.00	447779
UNITED STATES POSTAL SERVICE	.47	447788
JOEL WEBB VAZQUEZ	450.00	447810
TONYA CONNELL TOUPS	150.00	447829
ALLEN PARKER	150.00	447837
BRITTANIE HOLMES	600.00	447852
WILLIAM FORD DISHMAN	300.00	447865
MELANIE AIREY	450.00	447883
JUSTICE COURT-PCT 1 PL 1		4,600.47*
OFFICE DEPOT	150.05	447743
UNITED STATES POSTAL SERVICE	31.87	447788
JUSTICE COURT-PCT 4		181.92*
AT&T	77.86	447757
DEPARTMENT OF INFORMATION RESOURCES	.27	447781
JUSTICE COURT-PCT 6		78.13*

PGM: GMCOMMV2	DATE 06-25-2018	PAGE: 4
NAME	AMOUNT	CHECK NO. TOTAL
OFFICE DEPOT	1,286.71	447743
UNITED STATES POSTAL SERVICE	38.85	447788
CLASSIC FORMS AND PRODUCTS	198.00	447805
		1,523.56*
JUSTICE COURT-PCT 7		
DEPARTMENT OF INFORMATION RESOURCES	.08	447781
		.08*
COUNTY COURT AT LAW NO.1		
OFFICE DEPOT	14.39	447743
UNITED STATES POSTAL SERVICE	.82	447788
		15.21*
COUNTY COURT AT LAW NO. 2		
BRUCE N. SMITH	250.00	447756
UNITED STATES POSTAL SERVICE	5.71	447788
WILLIAM MARCUS WILKERSON	300.00	447853
		555.71*
COUNTY COURT AT LAW NO. 3		
DAVID GROVE	250.00	447692
DONALD BOUDREAUX	300.00	447701
A. MARK FAGGARD	300.00	447715
EDWARD B. GRIPON, M.D., P.A.	595.00	447719
TEXAS COURT REPORTERS ASSOCIATION	395.00	447766
JOHN D WEST	250.00	447784
UNITED STATES POSTAL SERVICE	10.61	447788
LANGSTON ADAMS	350.00	447799
BRITTANIE HOLMES	550.00	447852
JARED GILTHORPE	250.00	447878
THOMAS WILLIAM KELLEY	500.00	447901
LAW OFFICE OF SOLOMON FREIMUTH	300.00	447917
THOMAS JAMES LANDRY	250.00	447919
		4,300.61*
COURT MASTER		
UNITED STATES POSTAL SERVICE	1.63	447788
		1.63*
MEDIATION CENTER		
UNITED STATES POSTAL SERVICE	10.61	447788
		10.61*
SHERIFF'S DEPARTMENT		
EQUINE MEDICINE & SURGERY	84.00	447713
FED EX	53.35	447716
JEFFERSON CTY. SHERIFF'S DEPARTMENT	1,090.00	447726
MOORMAN & ASSOCIATES, INC.	300.00	447737
OFFICE DEPOT	591.01	447743
DEPARTMENT OF INFORMATION RESOURCES	538.83	447781
UNITED STATES POSTAL SERVICE	857.31	447788
BEAUMONT OCCUPATIONAL SERVICE, INC.	65.90	447794
LOWE'S HOME CENTERS, INC.	313.84	447797
FIVE STAR FEED	426.97	447807
SNAP-ON-TOOLS	15.90	447830
SIRCHIE FINGER PRINT LABORATORIES	89.80	447844
INFOGROUP	1,050.00	447856
GALLS LLC	380.78	447886
AXON ENTERPRISE INC	9,143.40	447910
SOUTHEAST TEXAS EQUINE AND VETERINA	72.00	447914
PULSE TECHNOLOGY PARTNERS LLC	6,195.00	447926
		21,268.09*
CRIME LABORATORY		
ALLOMETRICS INC.	880.00	447690
SPECTRUM LABORATORY PRODUCTS	242.74	447801
		1,122.74*
JAIL - NO. 2		
CITY OF BEAUMONT - WATER DEPT.	14,874.51	447705
HERTZ CORPORATION	75.20	447723
JACK BROOKS REGIONAL AIRPORT	637.54	447727

PGM: GMCOMMV2	DATE 06-25-2018	PAGE: 5
NAME	AMOUNT	CHECK NO.
		TOTAL
AT&T	1,363.68	447757
DEPARTMENT OF INFORMATION RESOURCES	1.83	447781
TEXAS GAS SERVICE	350.75	447804
INTERCONTINENTAL JET CORP	284.09	447812
PORTER-STRAIT INSTRUMENT CO., INC.	480.00	447815
WORLD FUEL SERVICES	270.00	447836
MATERA PAPER COMPANY INC	1,382.00	447859
KROPP HOLDINGS INC	284.48	447863
CORRHEALTH LLC	78,900.85	447922
		98,904.93*
JUVENILE PROBATION DEPT.		
DEPARTMENT OF INFORMATION RESOURCES	.13	447781
UNITED STATES POSTAL SERVICE	6.83	447788
		6.96*
JUVENILE DETENTION HOME		
CITY OF BEAUMONT - WATER DEPT.	2,759.91	447705
SANITARY SUPPLY, INC.	250.10	447752
BEN E KEITH FOODS	3,239.08	447809
CENTERPOINT ENERGY RESOURCES CORP	198.94	447813
ATTABOY TERMITE & PEST CONTROL	80.00	447835
A1 FILTER SERVICE COMPANY	183.79	447846
		6,711.82*
CONSTABLE PCT 1		
OFFICE DEPOT	143.94	447743
UNITED STATES POSTAL SERVICE	21.88	447788
		165.82*
CONSTABLE-PCT 2		
KAY ELECTRONICS, INC.	320.00	447730
		320.00*
CONSTABLE-PCT 4		
AT&T	38.93	447757
DEPARTMENT OF INFORMATION RESOURCES	.01	447781
US POSTAL SERVICE	358.00	447792
		396.94*
CONSTABLE-PCT 6		
UNITED STATES POSTAL SERVICE	35.18	447788
		35.18*
CONSTABLE PCT. 7		
AT&T	31.93	447757
		31.93*
CONSTABLE PCT. 8		
TND WORKWEAR CO LLC	176.00	447906
		176.00*
HEALTH AND WELFARE NO. 1		
CLAYBAR FUNERAL HOME, INC.	999.00	447706
ENTERGY	70.00	447721
UNITED STATES POSTAL SERVICE	115.99	447788
EQUIFAX WORKFORCE SOLUTIONS	250.35	447905
		1,435.34*
HEALTH AND WELFARE NO. 2		
ENTERGY	70.00	447722
OFFICE DEPOT	607.93	447743
TIME WARNER COMMUNICATIONS	129.94	447762
MCKESSON MEDICAL-SURGICAL INC	2,026.73	447778
HEB CREDIT RECEIVABLES DEPT 308	7.52	447824
SAM'S CLUB DIRECT	59.14	447851
EQUIFAX WORKFORCE SOLUTIONS	250.35	447905
		3,151.61*
NURSE PRACTITIONER		
MCKESSON MEDICAL-SURGICAL INC	61.45	447778
		61.45*
CHILD WELFARE UNIT		

PGM: GMCOMMV2	DATE 06-25-2018	PAGE: 6
NAME	AMOUNT	CHECK NO.
		930 TOTAL
BEAUMONT OCCUPATIONAL SERVICE, INC.	635.65	447794
J.C. PENNEY'S	2,118.51	447795
SEARS COMMERICAL CREDIT	186.84	447796
TYMIR WILSON PAYEE	20.00	447819
FATIMA ZAVALA	20.00	447875
TYRE A WELLS	20.00	447876
TYTTIANNA WELLS SIGARST	20.00	447879
JAVIER ZAVALA FC	20.00	447885
JLYNN J HENDRIX	20.00	447887
KYNLI LOPEZ FC	15.00	447890
DAVIS G POISSOIT	20.00	447892
KENNY ROBINSON	20.00	447899
SHAWN MOUTON	20.00	447900
LARRY DOYLE JR	20.00	447907
ABIGAIL GAUTHIER	30.00	447911
CLYDE GAUTHIER III	50.00	447912
STACY VELASQUEZ	20.00	447915
ASHTON EMERSON	20.00	447916
GAVEN SEBILE	20.00	447920
JONATHAN ROBINSON	20.00	447921
KAITLIN VAZQUES	20.00	447924
		3,336.00*
ENVIRONMENTAL CONTROL		
AT&T	61.92	447757
DEPARTMENT OF INFORMATION RESOURCES	.08	447781
		62.00*
MAINTENANCE-BEAUMONT		
AAA LOCK & SAFE	112.00	447686
SPIDLE & SPIDLE	887.40	447691
CITY OF BEAUMONT - LANDFILL	93.50	447697
BUILDING SPECIALTIES	343.68	447702
COBURN'S, BEAUMONT BOWIE (1)	35.99	447707
CONSOLIDATED ELECTRICAL DIST INC.	518.29	447708
W.W. GRAINGER, INC.	232.35	447718
MCCOWN PAINT & SUPPLY OF TEXAS	104.79	447734
RALPH'S INDUSTRIAL ELECTRONICS	519.64	447750
SANITARY SUPPLY, INC.	1,893.24	447752
ACE IMAGEWEAR	163.64	447755
AT&T	159.31	447757
DEPARTMENT OF INFORMATION RESOURCES	666.72	447781
TOTAL SAFETY, INC.	290.00	447782
TEXAS FIRE & COMMUNICATIONS	206.45	447783
BELT SOURCE	46.01	447818
AI FILTER SERVICE COMPANY	732.70	447846
CINTAS CORPORATION	59.73	447896
		7,065.44*
MAINTENANCE-PORT ARTHUR		
CURETON & SON	348.00	447710
TIME WARNER COMMUNICATIONS	76.80	447761
DEPARTMENT OF INFORMATION RESOURCES	1.06	447781
SUNBELT RENTALS	303.00	447806
PARKER LUMBER	60.07	447839
SUPPLYWORKS	1,480.79	447888
		2,269.72*
MAINTENANCE-MID COUNTY		
NOACK LOCKSMITH	9.00	447740
RITTER @ HOME	14.78	447749
ACE IMAGEWEAR	97.23	447755
W. JEFFERSON COUNTY M.W.D.	27.14	447773
BUBBA'S AIR CONDITIONING	75.00	447775
CENTERPOINT ENERGY RESOURCES CORP	86.28	447813
		309.43*
SERVICE CENTER		
SPIDLE & SPIDLE	9,094.80	447691
CHUCK'S WRECKER SERVICE	125.00	447704
J.K. CHEVROLET CO.	12.95	447725
KINSEL FORD, INC.	1,041.22	447731
MUNRO'S	39.70	447738

PGM: GMCOMMV2	DATE 06-25-2018	PAGE: 7
NAME	AMOUNT	CHECK NO. TOTAL
PHILPOTT MOTORS, INC.	73.11	447744
RITTER @ HOME	74.42	447749
FIRST CALL	63.02	447798
BUMPER TO BUMPER	1,473.23	447811
TRIDENT PETROLEUM EQUIPMENT	2,196.69	447817
AMERICAN TIRE DISTRIBUTORS	152.77	447833
MIGHTY OF SOUTHEAST TEXAS	917.80	447845
SILSBEE FORD INC	224.31	447867
DENNIS LOWE	278.00	447898
		15,767.02*
VETERANS SERVICE		
OFFICE DEPOT	92.49	447743
UNITED STATES POSTAL SERVICE	4.68	447788
HILARY GUEST	100.17	447802
		197.34*
		217,665.63**
MOSQUITO CONTROL FUND		
JACK BROOKS REGIONAL AIRPORT	371.94	447727
MUNRO'S	52.70	447738
UNITED PARCEL SERVICE	75.82	447769
DEPARTMENT OF INFORMATION RESOURCES	.10	447781
CENTERPOINT ENERGY RESOURCES CORP	35.78	447813
TARGET SPECIALTY PRODUCTS	224.80	447909
		761.14**
FEMA EMERGENCY		
MARTIN PRODUCT SALES LLC	2,826.00	447821
MARTIN PRODUCT SALES LLC	1,051.50	447822
MARTIN PRODUCT SALES LLC	2,683.50	447823
SILSBEE FORD INC	33,400.30	447868
SILSBEE FORD INC	63,599.61	447869
SILSBEE FORD INC	46,775.40	447870
SILSBEE FORD INC	75,957.11	447871
		226,293.42**
BREATH ALCOHOL TESTING		
CMI INC	1,315.92	447703
		1,315.92**
J.C. FAMILY TREATMENT		
BEAUMONT OCCUPATIONAL SERVICE, INC.	354.25	447794
PATRICIA VELASCO	1,155.00	447894
		1,509.25**
LAW LIBRARY FUND		
THOMSON REUTERS-WEST	395.07	447860
		395.07**
EMPG GRANT		
TIME WARNER COMMUNICATIONS	100.50	447764
		100.50**
JUVENILE PROB & DET. FUND		
GRAYSON COUNTY DEPT OF JUVENILE	4,084.20	447882
TRUECORE BEHAVIORAL SOLUTIONS LLC	2,759.10	447923
		6,843.30**
GRANT A STATE AID		
GLEN MILLS SCHOOLS	4,544.40	447736
BI INCORPORATED	378.24	447780
TJJD	150.00	447847
CORNELL CORRECTIONS OF TEXAS	8,120.39	447873
GRAYSON COUNTY DEPT OF JUVENILE	5,031.30	447882
TRUECORE BEHAVIORAL SOLUTIONS LLC	9,900.30	447923
		28,124.63**
COMMUNITY SUPERVISION FND		
NABCJ	1,050.00	447739
OFFICE DEPOT	1,285.67	447743
TIME WARNER COMMUNICATIONS	166.21	447763
DEPARTMENT OF INFORMATION RESOURCES	1.45	447781

PGM: GMCOMMV2	DATE 06-25-2018		PAGE: 8
NAME	AMOUNT	CHECK NO.	932 TOTAL
UNITED STATES POSTAL SERVICE	109.61	447788	
REDWOOD TOXICOLOGY LABORATORY	212.00	447825	
			2,824.94**
JEFF. CO. WOMEN'S CENTER			
BELL'S LAUNDRY	1,233.88	447700	
M&D SUPPLY	7.52	447733	
SAM HOUSTON STATE UNIVERSITY	265.00	447751	
AT&T	136.74	447757	
SYSCO FOOD SERVICES, INC.	1,255.56	447759	
PETTY CASH - RESTITUTION I	134.85	447774	
DEPARTMENT OF INFORMATION RESOURCES	.05	447781	
BEN E KEITH FOODS	1,358.61	447809	
REDWOOD TOXICOLOGY LABORATORY	40.00	447825	
ATTABOY TERMITE & PEST CONTROL	50.00	447835	
ROCHESTER ARMORED CAR CO INC	119.34	447842	
SAM'S CLUB DIRECT	339.19	447851	
MATERA PAPER COMPANY INC	240.21	447859	
			5,180.95**
DRUG INTERVENTION COURT			
SOUTHEAST TEXAS COUNCIL ON ALCOHOL	1,380.00	447728	
			1,380.00**
DEPUTY SHERIFF EDUCATION			
AIRBORNE LAW ENFORCEMENT ASSN.	525.00	447689	
CASH ADVANCE ACCOUNT	713.95	447729	
			1,238.95**
HOTEL OCCUPANCY TAX FUND			
ENTERGY	1,308.55	447720	
M&D SUPPLY	26.71	447733	
MUNRO'S	40.53	447738	
TIME WARNER COMMUNICATIONS	110.53	447760	
DEPARTMENT OF INFORMATION RESOURCES	8.60	447781	
LA RUE ROUGEAU	6.59	447827	
MATERA PAPER COMPANY INC	241.60	447859	
			1,259.91**
CAPITAL PROJECTS FUND			
FITZ & SHIPMAN, INC.	9,562.50	447717	
LJA ENGINEERING INC	1,285.33	447850	
TIM RICHARDSON	10,500.00	447866	
			21,347.83**
2012 REFUNDING BONDS			
THE BANK OF NEW YORK MELLON	500.00	447862	
			500.00**
AIRPORT FUND			
HILO / O'REILLY AUTO PARTS	115.81	447688	
SPIDLE & SPIDLE	1,500.24	447691	
W.W. GRAINGER, INC.	990.40	447718	
TRI-CITY FASTENER & SUPPLY	11.52	447767	
LOWE'S HOME CENTERS, INC.	35.61	447797	
CENTERPOINT ENERGY RESOURCES CORP	115.40	447813	
CRAWFORD ELECTRIC SUPPLY COMPANY	398.72	447854	
SOUTHEAST TEXAS PARTS AND EQUIPMENT	278.77	447872	
EASTERN AVIATION FUELS INC	107,127.45	447881	
SUPPLYWORKS	472.62	447888	
EAGLE PUMP & METERS INC	1,102.50	447903	
TRINITY VALLEY TRACTORS INC	68.20	447904	
			112,217.24**
SE TX EMP. BENEFIT POOL			
EXPRESS SCRIPTS INC	77,987.93	447918	
			77,987.93**
LIABILITY CLAIMS ACCOUNT			
FITZ & SHIPMAN, INC.	2,500.00	447717	
CALVERT EAVES CLARKE & STELLY LLP	145.06	447891	
ED MARTIN & HIS ATTORNEY B CRAIG	7,500.00	447928	
			10,145.06**
WORKER'S COMPENSATION FD			

PGM: GMCOMMV2	DATE 06-25-2018	AMOUNT	CHECK NO.	PAGE: 9 933 TOTAL
TRISTAR RISK MANAGEMENT		5,391.24	447814	
D.A.'S FORFEITURED FUNDS				5,391.24**
PORTER'S, INC.		261.00	447746	
SUMMIT ELECTRIC SUPPLY		414.87	447855	
SHERIFF'S FORFEITURE FUND				675.87**
COTTON CARGO		381.79	447709	
INTERSTATE ALL BATTERY CENTER - BMT		202.95	447834	
GALLS LLC		114.70	447886	
RED THE UNIFORM TAILOR		223.50	447913	
GUARDIANSHIP FEE				922.94**
HARVEY L WARREN III		200.00	447838	
MARINE DIVISION				200.00**
CLASSIC TINT		2,094.00	447696	
COTTON CARGO		276.96	447709	
W.W. GRAINGER, INC.		18.36	447718	
JACK BROOKS REGIONAL AIRPORT		356.42	447727	
OFFICE DEPOT		279.51	447743	
RITTER @ HOME		345.91	447749	
SETZER HARDWARE, INC.		119.32	447754	
VERIZON WIRELESS		341.91	447785	
SIERRA SPRING WATER CO. - BT		96.86	447789	
AERO PRODUCTS		1,476.84	447800	
BUMPER TO BUMPER		188.39	447811	
LONGS TRAILER REPAIR		96.00	447828	
AMERICAN TIRE DISTRIBUTORS		2,058.10	447833	
ASAP - CONSTABLE				7,748.58**
TRISTAR RISK MANAGEMENT		649.20	447814	
AXON ENTERPRISE INC		1,156.00	447910	
SHERIFF - COMMISSARY				1,805.20**
CURTIS 1000, INC.		763.20	447711	
2015 PORT SECURITY GRANT				763.20**
GOSS BUILDING INC		23,223.60	447884	
				23,223.60**
				841,778.10***

**AGENDA ITEM****June 25, 2018**

Consider and possibly approve an Order Appointing a Criminal Associate Judge to replace Judge Brad Burnett pursuant to Texas Government Code, Chapter 54-A, Section 54A.002(a) and provide funding of such position at the same rates as were paid to Judge Burnett.

ORDER APPOINTING CRIMINAL ASSOCIATE JUDGE

Pursuant to the authority granted in the Texas Government Code Chapter 54A, sections 54A.001 through 54A.014, and pursuant to the authority of the undersigned duly-elected County Judge of Jefferson County, Texas and of the Criminal Courts of Jefferson County, Texas request and hereby approve of the appointment of _____ as Criminal Associate Judge for Jefferson County Criminal Courts.

The Criminal Associate Judge shall have the powers authorized under said Government Code provisions. Judge(s) of the Criminal Courts of Jefferson County, Texas handling misdemeanor and felony cases may refer to the Associate Criminal Judge any matter arising out of a criminal case involving:

1. A negotiated plea of guilty or no contest before the court;
2. A bond forfeiture;
3. A pretrial motion;
4. A writ of habeas corpus;
5. An examining trial;
6. A occupational driver's license;
7. An appeal of an administrative driver's license revocation hearing;
8. A civil commitment matter under Subtitle C, Title, Health and Safety Code;
9. Setting, adjusting or revoking bond;
10. The issuance of search warrants, including a search warrant under Article 18.02(10), Code of Criminal Procedure, notwithstanding Article 18.01©, Code of Criminal Procedure; and;
11. Any other matter the judge considers necessary and proper.

This Order shall be construed also as an order of referral from each of the undersigned Judges to the Associate Criminal Judge to handle all cases and dockets which they may hereafter refer to the Associate Criminal Judge without the need for a separate written order for any case, as authorized per Section 54A.007(b)(5).

Nothing in this Order shall prevent a referring Judge from limiting the Associate Criminal Judge's powers in a specific case.

This Order is effective immediately as to each court listed below upon the signature of that court's judge.

Signed this _____ day of _____, 2018.

Jeff R. Branick, County Judge

Honorable Raquel West

252nd District Court

Honorable John B. Stevens, Jr

Honorable Clint Woods

Criminal District Court

County Court at Law No. 3

Honorable Terrence Holmes

County Court at Law No. 2

In the name and by the authority of

The State of Texas

OATH OF OFFICE

I, _____, do solemnly swear (or affirm) that I will faithfully execute the duties of the office of Criminal Associate Judge of the State of Texas, and I will to the best of my ability preserve, protect and defend the Constitution and laws of the United States and of this State so help me God.

Signature of Person taking the Oath

SWORN TO AND SUBSCRIBED before me by _____ on this ____ day
of _____, 2018.

Notary Public and Person Administering the Oath

Printed Name: _____

Notary Public, State of Texas

**AGENDA ITEM****June 25, 2018**

Consider and possibly approve an Order establishing the Orbit Gulf Coast Ethane Reinvestment Zone pursuant to Sec.312.401, Tax Code.

STATE OF TEXAS § IN THE COMMISSIONERS COURT

COUNTY OF JEFFERSON § OF JEFFERSON COUNTY, TEXAS

AN ORDER OF THE COMMISSIONERS COURT OF JEFFERSON
COUNTY, TEXAS DESIGNATING A REINVESTMENT ZONE
PURSUANT TO SEC 312. 401 OF THE TAX CODE
(THE PROPERTY REDEVELOPMENT AND TAX ABATEMENT ACT)

BE IT REMEMBERED at a meeting of Commissioners Court of Jefferson County, Texas, held on the 25th day of June, 2018 on motion made by Eddie Arnold, Commissioner of Precinct No 1, and seconded by Brent Weaver, Commissioner of Precinct No 2, the following Order was adopted

WHEREAS, the Commissioners Court of Jefferson County, Texas desires to create the proper economic and social environment to induce the Investment of private resources in productive business enterprises located in the county and to provide employment to residents of the area; and,

WHEREAS, it is in the best interest of the County to designate the Orbit Gulf Coast Ethane facility in/near Nederland, TX a reinvestment zone, pursuant to Sec. 312. 401, Tax Code (The Property Redevelopment and Tax Abatement Act)

IT IS THEREFORE ORDERED BY THE COMMISSIONERS COURT OF
JEFFERSON COUNTY, TEXAS

- | | |
|------------|---|
| Section 1. | That the Commissioners Court hereby designates the property, 2300 N Twin_City Hwy, Nederland, TX, Jefferson County, Texas 77627, further described in the legal description attached hereto as Exhibit "A", and made apart hereof for all purposes, as the Orbit Gulf Coast Ethane Reinvestment Zone (the "Zone") |
| Section 2 | That the Commissioners Court finds that the Zone area meets the qualifications of the Texas Redevelopment and Tax Abatement Act (hereinafter referred to as the "Act".) |
| Section 3. | That the Commissioners Court has heretofore adopted Guidelines and Criteria for Granting Tax Abatements in Reinvestment Zones in Jefferson County, Texas |
| Section 4 | That the Commissioners Court held a public hearing to consider this Order on the _____ day of June, 2018. |

- Section 5. The Commissioners Court finds that such improvements are feasible and will benefit the Zone after the expiration of the agreement
- Section 6. The Commissioners Court finds that creation of the Zone is likely to contribute to the retention or expansion of primary employment in the area and/or would contribute to attract major investments that would be a benefit to the property and that would contribute to the economic development of the community
- Section 7. That this Order shall take effect from and after its passage as the law in such cases provides.

Signed this 25th day of June, 2018.



 JEFF R. BRANICK
 County Judge






 COMMISSIONER EDDIE ARNOLD
 Precinct No. 1

// Absent

 COMMISSIONER MICHAEL S. SINEGAL
 Precinct No. 3



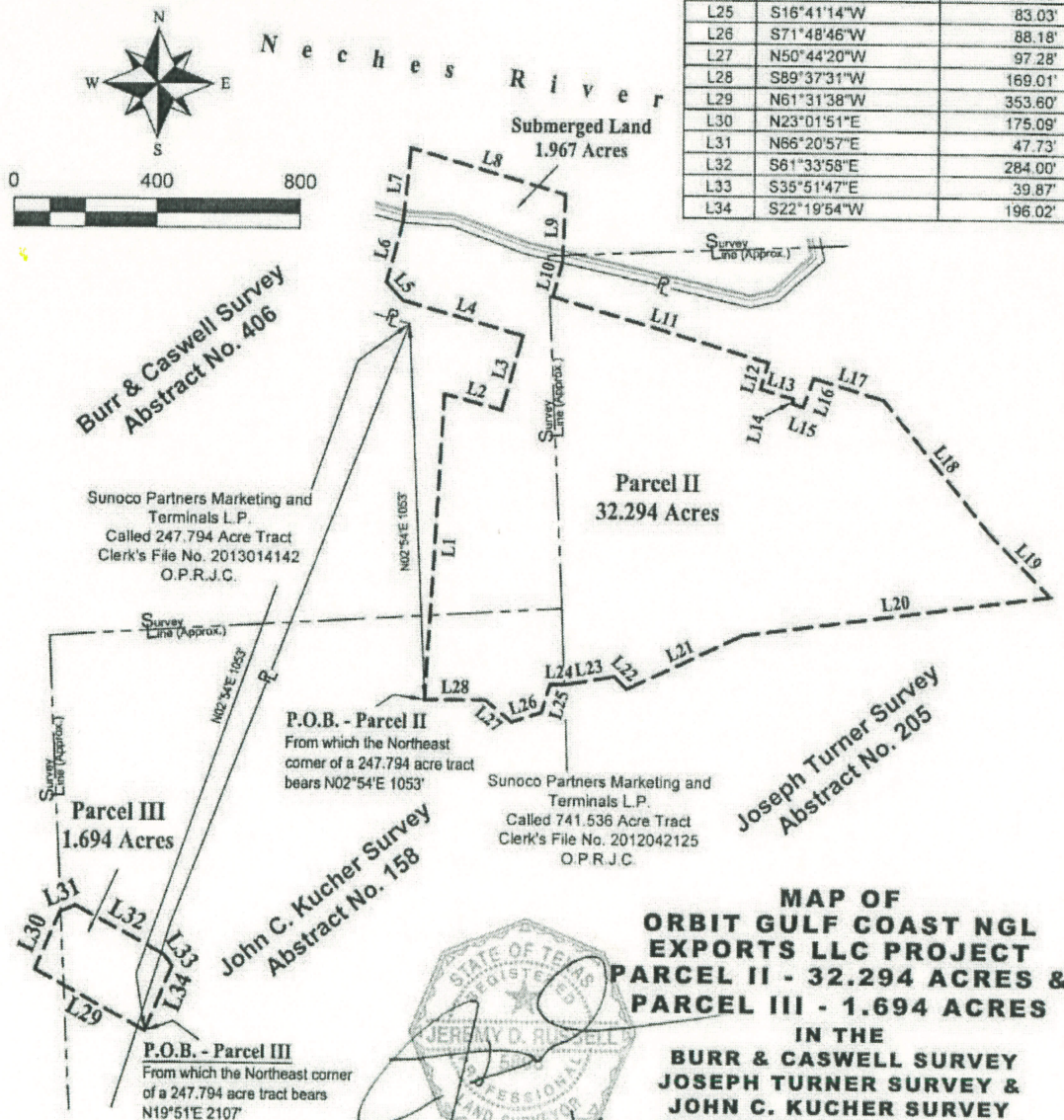
 COMMISSIONER BRENT A. WEAVER
 Precinct No. 2



 COMMISSIONER EVERETTE D. ALFRED
 Precinct No 4

Exhibit A

LINE	BEARING	DISTANCE
L1	N03°04'33"E	858.10'
L2	S74°49'03"E	167.32'
L3	N15°26'29"E	216.23'
L4	N74°09'09"W	352.50'
L5	N42°05'31"W	68.34'
L6	N15°11'12"E	173.79'
L7	N05°49'21"E	207.08'
L8	S73°50'43"E	452.45'
L9	S02°03'39"W	190.20'
L10	S15°25'30"W	98.99'
L11	S73°29'18"E	633.60'
L12	S16°07'17"W	76.11'
L13	S73°21'26"E	96.02'
L14	S12°23'06"W	12.81'
L15	S70°53'45"E	31.63'
L16	N19°22'10"E	86.25'
L17	S72°49'31"E	203.56'
L18	S39°02'29"E	470.79'
L19	S44°29'44"E	248.93'
L20	S82°12'06"W	865.79'
L21	S84°34'47"W	357.65'
L22	N46°01'13"W	49.42'
L23	S80°13'09"W	135.80'
L24	N90°00'00"W	45.66'
L25	S16°41'14"W	83.03'
L26	S71°48'46"W	88.18'
L27	N50°44'20"W	97.28'
L28	S89°37'31"W	169.01'
L29	N61°31'38"W	353.60'
L30	N23°01'51"E	175.09'
L31	N66°20'57"E	47.73'
L32	S61°33'58"E	284.00'
L33	S35°51'47"E	39.87'
L34	S22°19'54"W	196.02'



**MAP OF
ORBIT GULF COAST NGL
EXPORTS LLC PROJECT
PARCEL II - 32.294 ACRES &
PARCEL III - 1.694 ACRES**

**IN THE
BURR & CASWELL SURVEY
JOSEPH TURNER SURVEY &
JOHN C. KUCHER SURVEY
JEFFERSON COUNTY, TEXAS**

MARCH 2018 JOB NO. LJA5403-1805

LJA SURVEYING, INC.

2615 Calder Ave, Suite 500
Beaumont, Texas 77702

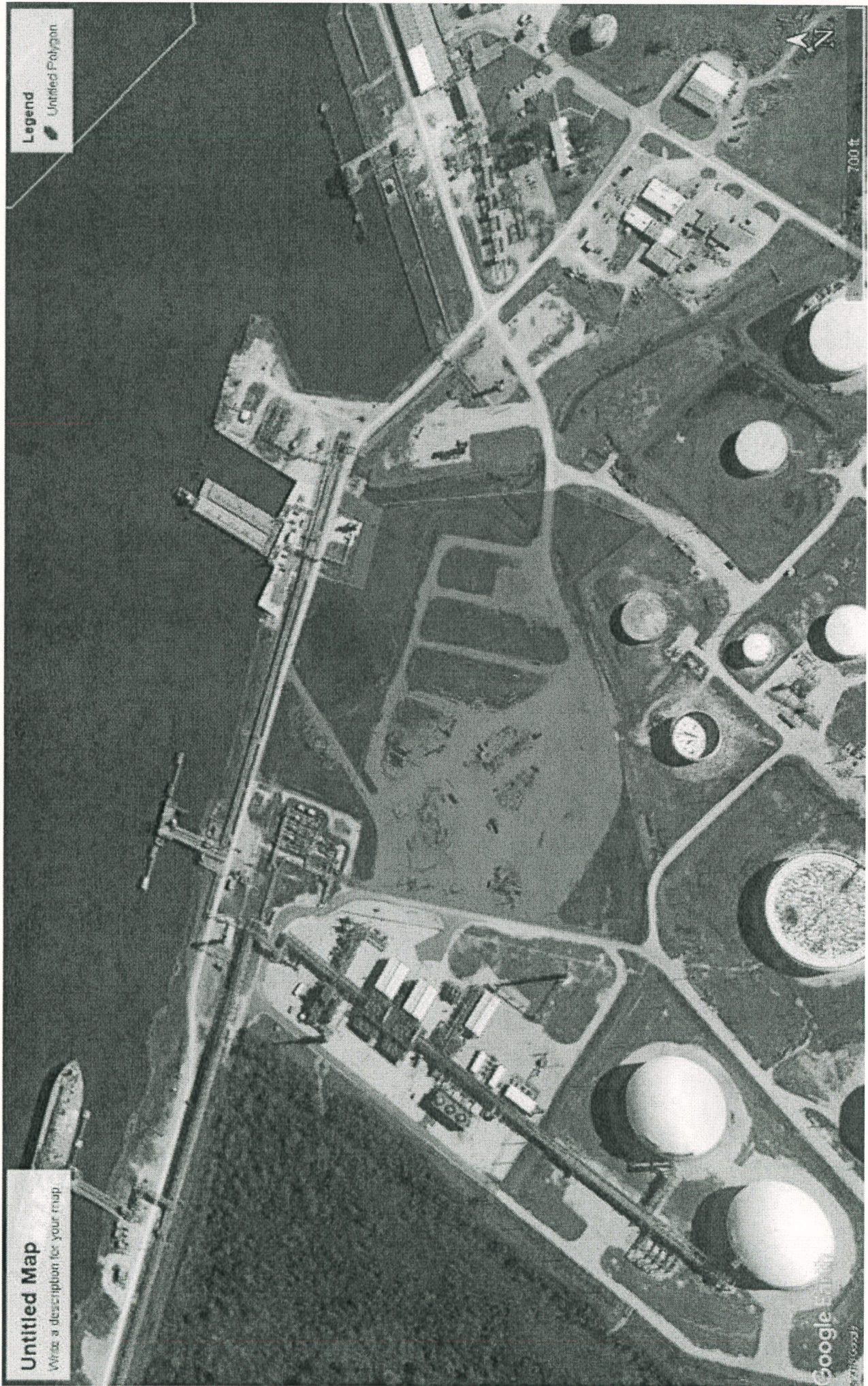
Tel: 409.833.3363

Fax: 409.833.0317

TBPLS Firm No. 10105600

General Notes:

1. Horizontal Data is based upon the Texas Coordinate System of 1983 (2011), South Central Zone '4204' (US Survey foot).
2. This plat does not represent an on the ground survey and no field work was performed for the preparation of this plat.
3. This plat is being submitted along with the Surveyor's field note description.
4. This plat was prepared for the purpose of a Tax Abatement plat only.



Parcel II

BEING a 32.294 acre tract of land out of and a part of that certain Sunoco Partners Marketing and Terminals L.P. called 741.536 acre tract of land, more fully described and recorded in Clerk's File No. 2012042125 of the Official Public Records of Jefferson County, Texas. Said 32.294 acre tract of land being situated in the Burr & Caswell survey, Abstract No. 406, John C. Kucher Survey, Abstract No. 158 and the Joseph Turner Survey, Abstract No. 205, Jefferson County, Texas and being more fully described as follows:

BEGINNING at the Southwest corner of the herein described tract, from which the Northeast corner of that certain Sunoco Partners Marketing and Terminals L.P. called 247.794 acre tract, more fully described and recorded in Clerk's File No. 2013014142 of said Official Public Records, same being an Ell corner of said 741.536 acre tract bears North 02 deg. 54 min. East, a distance of 1053 feet to a point;

THENCE in a Northerly direction over and across said 741.536 acre tract the following calls and distances:

North 03 deg. 04 min. 33 sec. East, a distance of 858.10 feet to a point;
South 74 deg. 49 min. 03 sec. East, a distance of 167.32 feet to a point;
North 15 deg. 26 min. 29 sec. East, a distance of 216.23 feet to a point;
North 74 deg. 09 min. 09 sec. West, a distance of 352.50 feet to a point;
North 42 deg. 05 min. 31 sec. West, a distance of 68.34 feet to a point;
North 15 deg. 11 min. 12 sec. East, a distance of 173.79 feet to a point on the north line of said 741.536 acre tract;

THENCE North 05 deg. 49 min. 21 sec. East over the Neches River, a distance of 207.08 feet to a point near the Northwest corner of Dock No. 2;

THENCE South 73 deg. 50 min. 43 sec. East along and with the Northeast line of said Dock No. 2 a distance of 452.45 feet to a point near the Northeast corner of said Dock No. 2;

THENCE South 02 deg. 03 min. 39 sec. West, a distance of 190.20 feet to a point on the North line of said 741.536 acre tract;

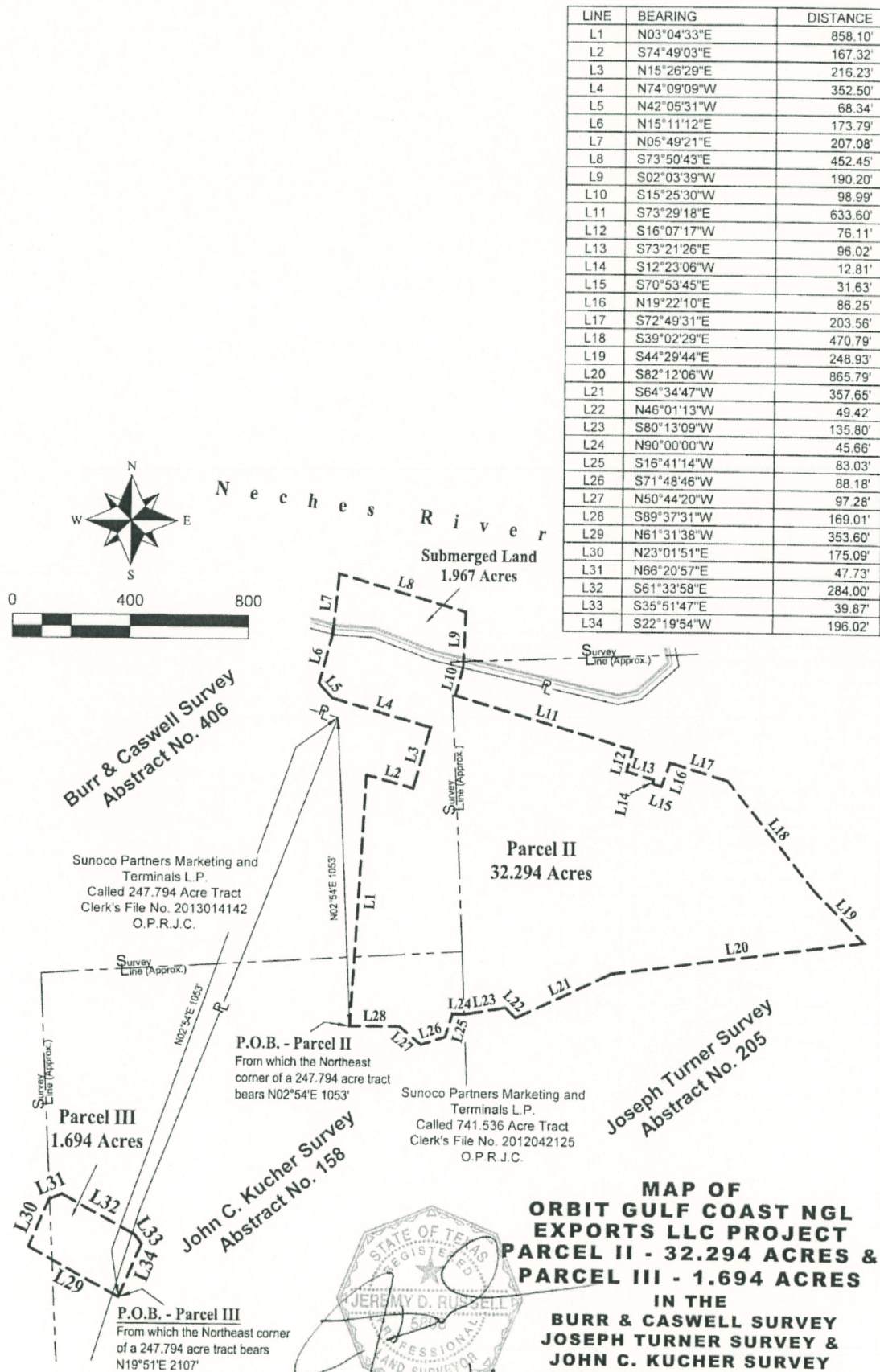
THENCE in a Southeasterly direction over and across said 741.536 acre tract the following calls and distances:

South 15 deg. 25 min. 30 sec. West, a distance of 98.99 feet to a point;
South 73 deg. 29 min. 18 sec. East, a distance of 633.60 feet to a point;
South 16 deg. 07 min. 17 sec. West, a distance of 76.11 feet to a point;
South 73 deg. 21 min. 26 sec. East, a distance of 96.02 feet to a point;
South 12 deg. 23 min. 06 sec. West, a distance of 12.81 feet to a point;
South 70 deg. 53 min. 45 sec. East, a distance of 31.63 feet to a point;
North 19 deg. 22 min. 10 sec. East, a distance of 86.25 feet to a point;
South 72 deg. 49 min. 31 sec. East, a distance of 203.56 feet to a point;
South 39 deg. 02 min. 29 sec. East, a distance of 470.79 feet to a point;

South 44 deg. 29 min. 44 sec. East, a distance of 248.93 feet to a point for the East corner of the herein described tract;

THENCE in a Westerly direction over and across said 741.536 acre tract the following calls and distances:

South 82 deg. 12 min. 06 sec. West, a distance of 865.79 feet to a point;
South 64 deg. 34 min. 47 sec. West, a distance of 357.65 feet to a point;
North 46 deg. 01 min. 13 sec. West, a distance of 49.42 feet to a point;
South 80 deg. 13 min. 09 sec. West, a distance of 135.80 feet to a point;
North 90 deg. 00 min. 00 sec. West, a distance of 45.66 feet to a point;
South 16 deg. 41 min. 14 sec. West, a distance of 83.03 feet to a point;
South 71 deg. 48 min. 46 sec. West, a distance of 88.18 feet to a point;
North 50 deg. 44 min. 20 sec. West, a distance of 97.28 feet to a point;
South 89 deg. 37 min. 31 sec. West, a distance of 169.01 feet to the **POINT OF BEGINNING**, containing 32.294 acres of land, more or less, of which 1.967 acres of land are submerged under the Neches River.



LJA SURVEYING, INC.

2615 Calder Ave, Suite 500
Beaumont, Texas 77702Tel: 409.833.3363
Fax: 409.833.0317
TBPLS Firm No. 10105600

Jefferson County



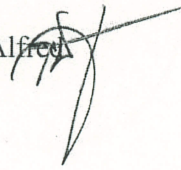
Precinct Four

Everette "Bo" Alfred
Commissioner

P.O. Box 4025
Beaumont, Texas 77704-4025
409-835-8443 phone
www.co.jefferson.tx.us/prct4/index.html

MEMO

TO: Ms. Loma George
Hon. Jeff Branick's Office

FROM: Commissioner Everette Alfred 

DATE: June 18, 2018

RE: **Agenda Item**

Please place these items on the Agenda for Monday, June 25, 2018.

Consider and possibly approve a Resolution recognizing Eugene H. Simon for 27 years and 4 months of service to Jefferson County and wishing him well in his retirement.

Mr. Simon will not be present in Court. Please return the signed resolution and the flag and certificate to my office after Commissioners Court. Thank you.

EA/nr



Resolution

STATE OF TEXAS	§	COMMISSIONERS' COURT
	§	
COUNTY OF JEFFERSON	§	OF JEFFERSON COUNTY, TEXAS

BE IT REMEMBERED at a meeting of Commissioners' Court of Jefferson County, Texas, held on the 25th day of June, 2018, on motion made by Eddie Arnold, Commissioner of Precinct No. 1, and seconded by Brent Weaver, Commissioner of Precinct No. 2, the following Resolution was adopted:

WHEREAS, Eugene H. Simon started his career with Jefferson County in 1991, devoting 27 years and 4 months of his life to the service of the citizens of Jefferson County; and

WHEREAS, that service was provided through Jefferson County Road and Bridge Precinct #4 under **Commissioner Edward Moore** and **Commissioner Everette "Bo" Alfred**; and

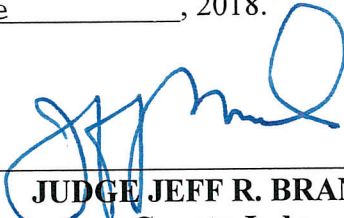
WHEREAS, Eugene H. Simon was hired as an Equipment Operator / Maintenance Worker on February 19, 1991, and he was promoted to Senior Equipment Operator on October 1, 2000; and

WHEREAS, proving himself as knowledgeable, and skilled on road, ditching, and bridge work, **Commissioner Everette "Bo" Alfred** promoted **Eugene H. Simon** on April 14, 2013, to Assistant Superintendent; and

WHEREAS, through hard work, dedication, and a commitment to excellence, **Eugene H. Simon** has earned the respect of his co-workers and the citizens of Jefferson County, and will be missed.

NOW THEREFORE, be it resolved that the Commissioners' Court of Jefferson County, Texas, does hereby recognize **Eugene H. Simon** for his many years of dedicated service and wishes him well in his much deserved retirement.

SIGNED this 25th day of June, 2018.



JUDGE JEFF R. BRANICK
County Judge





COMMISSIONER EDDIE ARNOLD
Precinct No. 1

// Absent

COMMISSIONER MICHAEL S. SINEGAL
Precinct No. 3



COMMISSIONER BRENT A. WEAVER
Precinct No. 2



COMMISSIONER EVERETTE D. ALFRED
Precinct No. 4

**AGENDA ITEM****June 25, 2018**

Receive and file Annual Road Reports of Jefferson County Commissioners of Precincts 1, 2, 3, and 4 Pursuant to Section 251.005, Texas Transportation Code and file a copy of same with the Grand Jury.

COUNTY OF JEFFERSON

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§PRECINCT NO. 1

ANNUAL ROAD REPORT

1. Condition of each road, culvert, and bridge in the precinct and the primary cause of any road, culvert or bridge degradation:

Due to the extensive impact of Hurricane Harvey on the roads, etc. in the precinct, the Annual Report for 2018 cannot be accurately completed. General condition and probable cost estimates are being determined by FEMA and additional information will be provided once the FEMA Assessments are completed.

2. Amount of money necessary for maintenance of the precinct roads during the next fiscal year:
3. Number of traffic control devices in the precinct defaced or torn down:
4. Any new road that should be opened in the precinct:
5. Any bridges, culverts, or other improvements necessary to place the precinct roads in good condition, and the probable cost of the improvements:

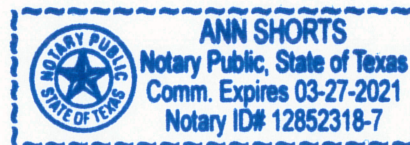
Submitted by the undersigned on this 22 day of June, 2018.

Eddie Arnold
Commissioner, Precinct 1

Subscribed and sworn to, before me, the undersigned authority, this 22 day of June.

Ann Shorts
Notary Public

My commission expires: 3-27-2021



[File in minutes and submit to grand jury with a copy of any road work contracts for past year during ninth month of county fiscal year – Section 251.005, Transportation Code]

COUNTY OF JEFFERSON

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PRECINCT NO. 2

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ANNUAL ROAD REPORT

1. Condition of each road, culvert, and bridge in the precinct: "Due to the extensive impact of Hurricane Harvey on the roads, etc. in the precinct, the Annual Road Report for 2018 cannot be accurately completed. General condition and probable cost estimates are being determined by FEMA and additional information will be provided once the FEMA Assessments are completed."
2. Amount of money necessary for maintenance of the precinct roads during the next fiscal year: \$1,693,822 approximate total for the budget line items of administrative and maintenance of roads for other budget detail see complete 2017-2018 budget.
3. Number of traffic control devices in the precinct defaced or torn down: None signs and traffic control devices are replaced/repared when found to be damaged or in need of replacement
4. Any new road that should be opened in the precinct: None identified at this time review pending.
5. Any bridges, culverts, or other improvements necessary to place the precinct roads in good condition, and the probable cost of the improvements: See 2017-2018 Road & Bridge Precinct 2 budget.

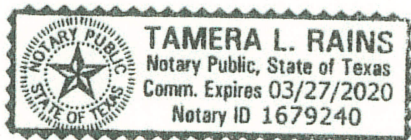
Submitted by the undersigned on this 14 day of June 2018.

Brent Weaver

Commissioner, Precinct 2

Subscribed and sworn to, before me, the undersigned authority, this 14 day ofJune 2018.

Notary Public

My commission expires: 3/27/2020

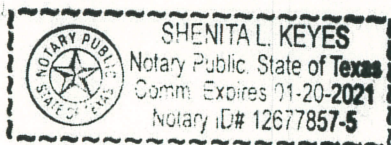
[File in minutes and submit to grand jury with a copy of any road work contracts for past year during ninth month of county fiscal year – Section 251.005, Transportation Code]

COUNTY OF JEFFERSON

PRECINCT NO. 3§
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ANNUAL ROAD REPORT

1. Condition of each road, culvert, and bridge in the precinct and the primary cause of any road, culvert or bridge degradation: Due to the extensive impact of Hurricane Harvey on the roads, etc. in the precinct, the Annual Road Report for 2018 cannot be accurately completed. General condition and probable cost estimates are being determined by FEMA and additional information will be provided once the FEMA Assessments are completed.
2. Amount of money necessary for maintenance of the precinct roads during the next fiscal year:
3. Number of traffic control devices in the precinct defaced or torn down:
4. Any new road that should be opened in the precinct:
5. Any bridges, culverts, or other improvements necessary to place the precinct roads in good condition, and the probable cost of the improvements:

Submitted by the undersigned on this 22 day of June 2018.Michelle S. King
Commissioner, Precinct PCT. 3Subscribed and sworn to, before me, the undersigned authority, this 22 day of June, 2018.Shenita L. Keyes
Notary PublicMy commission expires: 01-20-2021

[File in minutes and submit to grand jury with a copy of any road work contracts for past year during ninth month of county fiscal year – Section 251.005, Transportation Code]

COUNTY OF JEFFERSON

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PRECINCT NO. 4

ANNUAL ROAD REPORT

1. Condition of each road, culvert, and bridge in the precinct and the primary cause of any road, culvert or bridge degradation:

Due to the extensive impact of Hurricane Harvey on the roads, etc. in the precinct, the Annual Road Report for 2018 cannot be accurately completed. General condition and probable cost estimates are being determined by FEMA and additional information will be provided once the FEMA Assessments are completed. The majority of Precinct # 4 Roads were damaged from water over the road after Hurricane Harvey. Some culverts were washed out from Harvey as well. Pignut Gully Bridge at Lawhon Road was washed out also and is not in use.

2. Amount of money necessary for maintenance of the precinct roads during the next fiscal year: Precinct # 4 has estimated Harvey damage costs to be \$2,446,366.07. however there are 51 more roads in Precinct #4 that still need to be evaluated and need estimates done. Those 51 roads will not be completed this fiscal year.

3. Number of traffic control devices in the precinct defaced or torn down: None

4. Any new road that should be opened in the precinct: All roads should be open.

5. Any bridges, culverts, or other improvements necessary to place the precinct roads in good condition, and the probable cost of the improvements: As stated in # 2, repairs to roads are estimated at \$2,446,366.07 (with 51 more roads that still need to be evaluated). Add to this the cost of culverts that were washed out from Harvey, plus \$85,170 to repair the entrance to Pignut Gully Bridge at Lawhon, brings the total cost of improvements to \$3,946,366.07.

Submitted by the undersigned on this 13 day of 2018 JUNE.

[Signature]
Commissioner, Precinct 4

Subscribed and sworn to, before me, the undersigned, on this 13 day of JUNE 2018.



ROWENA JACKSON
Notary Public, State of Texas
Comm. Expires 04-04-2021
Notary ID# 12683885-0

Notary Public

[Signature]

My commission expires: 04-04-2021

[File in minutes and submit to grand jury with a copy of any road work contracts for past year during ninth month of county fiscal year – Section 251.005, Transportation Code]

Item 1 has been revised to include the primary cause of any road, culvert or bridge degradation (likely overweight oil & gas truck traffic) as required by S. B. 1747

**AGENDA ITEM****June 25, 2018**

Consider and possibly approve a Resolution regarding the retirement of Greg Fountain as the Emergency Management Coordinator.



Resolution

STATE OF TEXAS

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COMMISSIONERS' COURT

COUNTY OF JEFFERSON

OF JEFFERSON COUNTY, TEXAS

BE IT REMEMBERED at a meeting of Commissioners' Court of Jefferson County, Texas, held on the 25th day of June, 2018, on motion made by Brent Weaver, Commissioner of Precinct No. 2, and seconded by Eddie Arnold, Commissioner of Precinct No. 1, the following Resolution was adopted:

WHEREAS, Gregory F. Fountain served as a Deputy Sheriff for the Chambers County Sheriff's Office from July 1990 until September 1992; and

WHEREAS, Gregory F. Fountain served as a Deputy Constable for Galveston County from September 1992 until February 1994; and

WHEREAS, Gregory F. Fountain served as a Deputy Sheriff for Jefferson County, rising to the rank of Sergeant, from February 1994 until January 2007; and

WHEREAS, Gregory F. Fountain served as Emergency Management Coordinator from January 2007 until July 2018.


LET IT NOW BE KNOWN TO THOSE PRESENT, that **Gregory F. Fountain**, having honed the skills developed through the Law Enforcement profession, became a premier Narcotics Interdiction Specialist in the great State of Texas and the United States of America, teaching his skills to Law Enforcement officers throughout the country. Upon changing the focus of his Public Service career in 2007 to the field of Emergency Management, **Gregory F. Fountain** successfully, and with great distinction, shepherded the citizens of Jefferson County through Hurricanes Humberto, Edouard, Gustav, Ike, and Harvey.

NOW THEREFORE, BE IT RESOLVED by the Commissioners Court of Jefferson County, Texas, that **Gregory F. Fountain** be recognized by those present and the citizens at large for his selfless service to the people of Jefferson County, Texas.

Signed this 25th day of June, 2018.

JUDGE JEFF R. BRANICK
County Judge




COMMISSIONER EDDIE ARNOLD
Precinct No. 1

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//Absent
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COMMISSIONER MICHAEL S. SINEGAL
Precinct No. 3


COMMISSIONER BRENT A. WEAVER
Precinct No. 2


COMMISSIONER EVERETTE D. ALFRED
Precinct No. 4

**AGENDA ITEM****June 25, 2018**

Receive and file executed Annual Maintenance Contract Cancellation and New Service Agreement between Jefferson County and FORMAX.

**AGENDA ITEM****June 18, 2018**

Consider, possibly approve and authorize the County Judge to execute:

1. Annual Maintenance Contract Cancellation with FORMAX; and
2. New Service Agreement between Jefferson County and FORMAX.



1 Education Way • Dover, NH 03820 USA
Phone: 800-232-5535 • Fax: 603-743-6366
www.formax.com

ANNUAL MAINTENANCE CONTRACT CANCELLATION REQUEST

CUSTOMER: JEFFERSON COUNTY MIS CUSTOMER#

Model: FD2002IL Serial#: I1412650 Invoice#: 62445

REASON FOR CANCELLATION: *A reason must be provided to ensure discontinuation of billing*
(If you double click on the check box – a box will appear to mark it checked.)

☐ **No Longer Using Equipment** *** REQUIRED: Check box for reason of discontinued use***

☐ Automated our process electronically

☐ Outsourced this function

☐ Acquired new machine: ☐ FORMAX ☐ OTHER

If you are no longer using your equipment would you be interested in seeing if you qualify for our buy-back program?

☐ Yes ☐ No If yes- please provide the best email address to send information:

☐ **Disposed of equipment**

☐ **Sold equipment –**

If sold, would you be willing to supply us with the new user's contact information? ☐ Yes ☐ No

Company Name: Phone Number:

Contact Name: Email:

☐ **Price of the contract** Would you be interested in learning about other programs/pricing? ☐ Yes ☐ No

If yes- please provide the best email address to send information:

☐ **Now using** **to provide our service**

Please note only certified service providers have access to Formax machine parts and technical support

☒ **OTHER (**REQUIRED**Please describe):** Required printer quit working. We currently have a FD2030 that we will continue to use for our process

ADDITIONAL COMMENTS/ FEEDBACK:

CUSTOMER SIGNATURE

PRINTED NAME JEFF BRANECK

TITLE County Judge

DATE 6/18/18

If you have any questions, concerns or wish to reinstate coverage at any time, please do not hesitate to contact me.

Sincerely,

Sue Crouch

Sue Crouch/Collections IT: 800-232-5535 Ext. 24

PLEASE RETURN TO Sue Crouch

or

BY EMAIL: SCROUCH@FORMAX.COM **BY FAX:** 603-743-6366



1 Education Way • Dover, NH 03820 USA
 Phone: 800-232-5535 • Fax: 603-743-6366
 www.formax.com

Valid for 30 days from date of Quote
JEFFERSON COUNTY MS FD2030

DESCRIPTION OF MACHINE	MODEL NO.	SERIAL NO.	RATE FOR 1 YEAR	INSPECTIONS PER YR.
MEDIUM VOLUME DESKTOP FOLDER/SEALER	FD2030	GG11034	\$1,190.00	2
INITIAL VISIT FEE WAIVED				
		SUBTOTAL	\$1,190.00	
		TAX %	\$0	
		TOTAL	\$1,190.00	2

SERVICE AGREEMENT

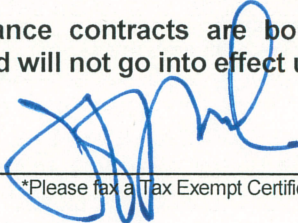
Contract includes travel and labor costs for the initial service repair visit to bring your equipment up to contract condition. **Any parts necessary within the initial 30 days of the contract will be billed directly to the customer upon completion of the visit.**

All parts, labor and travel costs will be covered under this portion of the contract at no additional cost to the customer and up to (2) scheduled preventative maintenance necessary to repair the product within normal business hours of 8:00AM to 5:00PM. Preventative Maintenance visits should be scheduled by the service provider; however calls can also be scheduled by the customer directly.

Contract customers will receive a **One Business Day** priority response when service calls are placed during normal business hours of 8:00AM to 5:00PM.

The terms of this agreement will be initiated upon delivery of payment.

All Maintenance contracts are bound by the "Standard Maintenance Contract Terms" attached, and will not go into effect until payment is received in advance.


Signature  _____
 Please fax a Tax Exempt Certificate if applicable

Date 6/18/18

Purchase Order # _____
 (Physical PO Needs to Be Submitted Along with PO Number)

Fax signed form to 603-743-6366 Attn: Lindsey Grassey or email to Lgrassey@formax.com.

Sincerely,


 Lindsey Grassey
 Formax Contract Sales Associate
 800-232-5535 Ext.15



1 Education Way • Dover, NH 03820 USA
Phone: 800-232-5535 • Fax: 603-743-6366
www.formax.com

Standard Maintenance Contract Terms

All services made by Formax. ("Formax") to its customers ("Customer") are subject to these Standard Maintenance Agreement Terms ("Terms").

1. Agreement Terms and Termination

The initial period of these Terms commences on the Service Start Date and concludes on the Expiration Date specified in the Maintenance Agreement ("MA") with automatic renewal of successive one-year terms that can be terminated by either party upon thirty days written notice. Maintenance service for equipment added after the start of the term continues for the remainder of the term.

2. Charges

2.1 Invoicing and Terms of Payment: Formax invoices all annual charges in advance and Customer's payment is due prior to the Renewal Date or Service Start Date.

2.2 If the Customer's usage of the equipment changes, the price will change accordingly where applicable. Equipment used for multiple shift (more than eight hours per day) operation may be subject to an additional charge. The MA will be re-billed immediately at the prorated amount.

2.3 Renewals will be available at the then current prices and terms, as long as an MA is available. All Renewals are subjected to a 3-5% increase each year.

2.4 Inspection/Repair Charges: Equipment for which the Manufacturer's product warranty has expired more than thirty days prior to the Acceptance Date hereof is subject to inspection and repairs, in accordance with Formax's then current policies and charges, prior to the commencement of maintenance service.

2.5 Agreement assumes that the equipment is functioning and in good operating condition. Any parts necessary within the first 30 days of the contract, or otherwise not covered under the contract, will be billable to the customer at the current rate upon completion of the visit.

2.6 If your organization requires significant documentation for renewal of the agreement or vendor set up, there will be a \$150.00 processing charge.

3. Contracts

3.1 Warranty and extended warranty contracts are available with a variety of response times. All contracts include interim repairs and cover all parts and labor charges, excluding consumables and/or accessories as specified on the contract.

3.2 All contracts require that customer certifies equipment is in working condition prior to commencing contract. See Item 2.4. The customer is responsible for the cost of any parts needed to repair the equipment within the first thirty days of the MA.

3.3 Shredder and Cutter Contracts exclude travel and labor coverage on all service issues related to cutting blades, spacers, shafts, bearings, gears & all other components that comprise and attach to the cutting head assembly- parts are excluded after manufacturer's original warranty.

3.4 The Customer is responsible for securing their network during any software service repairs where a technician is required to remote into the Customer's computer.

4. General Maintenance Service Conditions

4.1 All equipment, parts and materials exchanged due to maintenance service will become the property of Formax at no charge. The Customer warrants that as of the date of exchange, Formax is the lawful owner of the exchanged item. All rights, titles, and interests therein are transferred to Formax free and clear of all liens and encumbrances.

4.2 Customer Preventive Maintenance Responsibility: The Customer will use and service the specified equipment in such a manner specified in the documentation and instructions applicable to the specified equipment. Consumables and supplies must meet the requirements of the Manufacturer.

4.3 Proprietary Information, Maintenance Tools and Equipment: Formax Maintenance Materials include all maintenance equipment, tests, diagnostic, and verification information and routines, tools and documentation whether on Formax or Customer owned media and whether on Customer's site or accessible by remote inquiry or incorporated in the equipment. All Formax's Maintenance Materials are the property of Formax. The Customer will secure and protect all confidential and proprietary items consistent with the rights therein.

4.4 "Fix or Replace" Option: If Formax chooses to replace customer's equipment, Formax will replace the equipment with a comparable unit. The replacement unit will inherit the existing unit's warranty or contract with no change in original expiration date.

4.5 Maintenance Service Exclusions:

A. Formax is not liable for any failure or delay due to any cause beyond its control and has no obligation arising out of the abnormal use of any item, site conditions not conforming to applicable Manufacturer specifications, or any causes external to any item, including but not limited to acts of God, fire or water damage, criminal conduct, neglect, acts of war, riots, strikes, lighting, electrical disturbances, earthquakes, or other similar causes. Any service that is outside the scope of these Terms may be provided, as available, in accordance with Formax's then current terms, conditions and charges.

B. Any service not specified herein including overhaul or refurbishment of the equipment due to age or prolonged usage

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www.formax.com

is outside the scope of these Terms.

C. Formax is not liable to the Customer for any loss, damage or equipment problems arising from:

1. The Customer's failure to comply with any Customer designated responsibilities, including providing and proper care of equipment consumables or expendables, or Customer's abuse, misuse, or shipment of equipment.
2. The attachment of devices not maintained hereunder, relocation of equipment or the alteration, adjustment, repair or de-installation/re-installation of any equipment by anyone other than a Formax-authorized service representative.

D. Any equipment involved in such activity is subject to inspection at Formax's then current terms, conditions and charges prior to the continuation of maintenance services and Formax reserves the right to terminate maintenance service for the affected equipment upon thirty days written notice.

E. Any upgrades, re-fitting, or changes of design are excluded from contractual liability. These changes include, but are not limited to, electronic or mechanical changes. Such changes are eligible for Formax's then current charges even if the changes are recommended by an associate of Formax, the Manufacturer, or any other technical authority on the specified equipment.

F. Any failure, which includes, but is not limited to, the inability to operate, incorrect configurations or incorrect cabling of any peripheral device such as host computer systems, modems, print buffers, data cables, etc. are excluded from contractual liability. Any correction to the above can be provided at Formax's current charges unless otherwise specified.

G. Recurring service calls due to simple operator adjustments, environment issues such as humidity being high/low or excessive static on the forms, can be charged to the customer for labor and travel reimbursement after prior written warning of the specific issue provided to Formax. Such written warning will notify the customer of potential future charges if service calls are placed for the same specified reasons.

H. Contract excludes parts and labor coverage on all service issues related to cutting blades, spacers, shafts, bearings, gears & all other components that comprise and attach to the cutting head assembly. Agreement assumes that the equipment is functioning and in good operating condition. Any parts not covered under the contract will be billable to the customer at the current rate upon completion of the visit. Maintenance contracts are bound by the "Standard Maintenance Contract Terms"

4.6 The Customer is to pay Formax's then current charges for service due to any of the above exclusions.

5. Limitation of Remedy

5.1 Formax and Customer are not liable for any indirect, special or consequential damages or lost profits to anyone arising out of these Terms or the use of maintenance service, documentation or maintenance materials.

5.2 No other warranty, expressed or implied, shall apply to the parts and services provided under these Terms, including any warranty of merchantability or fitness for a particular purpose, which are expressly disclaimed. In no event will Formax be liable for any special, direct, indirect, incidental or consequential damages of any kind, including without limitation, loss of use, loss of data, loss of profits or liabilities to third parties, however caused; whether by negligence of Formax or otherwise. In no event will Formax's liability exceed the annual price per unit paid by customer under these Terms.

6. General

6.1 At any time during the contract period that Formax is unable to obtain repair parts for a down unit because the parts are obsolete or no longer available from the Manufacturer, the MA will be terminated. Formax will refund the prorated balance of the MA price from that date.

6.2 All orders are subject to acceptance by Formax and fulfillment of Formax's credit requirements.

6.3 Any notice or other communication permitted or required by Customer are to be sent by first class mail to Formax.

6.4 Formax's obligations under these Terms are limited to its service coverage area.

6.5 Formax may assign these Terms in whole or part to any third party service provider without the prior consent of the Customer. Formax may assign all or part of the payments to the extent that Formax's obligations to Customer are not affected.

Texas law shall exclusively apply to the MA without reference to any conflicts of law theory or argument. Venue and jurisdiction for all disputes between the Parties will be exclusively in State District Court, Jefferson County, Texas, or Federal District Court for the Eastern District of Texas, Beaumont Division, and none other. The Parties shall have the right to appeal the District Court's ruling."

Signed: FORMAX

By Representative: Lindsey Grassey

At: 1 Education Way Dover, NH 03820

Approved: FORMAX

By: 

Title: Maintenance Contract Sales Associate

Phone: (800) 232-5535 Ext 15

Customer:

Address:

City: _____ State: _____

P.O. # _____

By: 

Title: COUNTY CLERK

Effective Date: _____

FORMAX®1 Education Way • Dover, NH 03820 USA
Phone: 800-232-5535 • Fax: 603-743-6366
www.formax.com**CUSTOMER CONTACT INFORMATION**COMPANY: Jefferson County Serial #: GG11034**EQUIPMENT ADDRESS:**1149 Pearl St
Suite 600
Beaumont, TX 77701**NAME OF USER:** Andrae ThierryPHONE: (409) 835-8447EMAIL: athierry@co.jefferson.tx.us**BILLING ADDRESS:**1149 Pearl St
Suite 600
Beaumont, TX 77701**ACCOUNTS PAYABLE:**NAME: Fran LeePHONE: (409) 835-8500EMAIL: flee@co.jefferson.tx.us**ACCOUNTING MANAGER:**NAME: Fran LeePHONE: (409) 835-8500EMAIL: flee@co.jefferson.tx.us**PLEASE RETURN TO: SUE CROUCH at SCROUCH@Formax.com****FORMAX, INC.
1 EDUCATION WAY
DOVER, NH 03820**



JEFFERSON COUNTY SHERIFF'S OFFICE

SHERIFF ZENA STEPHENS

To: Honorable Jeff R. Branick
Commissioner – Eddie Arnold
Commissioner – Brent A. Weaver
Commissioner – Michael S. Sinegal
Commissioner – Everette Alfred

From: Jefferson County Sheriff's Office

Subject: Resolution for Retiring Deputy Giles B. Holst
Agenda item for the week of June 25, 2018

Date: June 18, 2018

Consider and possibly approve a Resolution recognizing Deputy Giles B. Holst for 9 years and 7 months of dedicated service as a Peace Officer in the Courthouse as a Courthouse Security Officer for the Jefferson County Sheriff's Office and to the citizens of Jefferson County and in wishing him well in his future endeavors.

Sincerely,

Charlie E. Porter, Deputy Chief
Jefferson County Sheriff's Office



Resolution

STATE OF TEXAS

§

COMMISSIONERS COURT

COUNTY OF JEFFERSON

§

OF JEFFERSON COUNTY, TEXAS

BE IT REMEMBERED at a meeting of Commissioners Court of Jefferson County, Texas, held on the 25th day of June, 2018, on motion made by Eddie Arnold, Commissioner of Precinct No. 1, and seconded by Brent Weaver, Commissioner of Precinct No. 2, the following Resolution was adopted:

WHEREAS, *Giles B. Holst*, has devoted 9 years and 7 months of his life serving the people of Jefferson County with pride and professionalism; and

WHEREAS, *Giles B. Holst*, has dedicated his talents and pledged his services as a Peace Officer for the Jefferson County Sheriff's Office; and

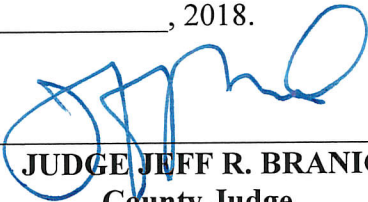
WHEREAS, *Giles B. Holst*, has pledged his services as a Peace Officer, making an outstanding contribution to law enforcement and the quality of criminal justice in Jefferson County, serving as a Courthouse Security Officer, responsible for all security aspects of the courthouse, including ensuring that the judges, judicial staff, county employees, jurors and the general public visiting the courthouse are safe. Also, ensure that no weapons are brought into the courthouse, managing metal detectors and watching doorways for suspicious activity, for the Jefferson County Sheriff's Office; and

WHEREAS, through hard work and commitment to excellence, ***Giles B. Holst***, has earned the respect of his colleagues and the citizens of Jefferson County; and

WHEREAS, having made a significant contribution to the Jefferson County Sheriffs' Office, ***Giles B. Holst***, is recognized for his unselfish devotion to the common good and welfare of the citizens of Jefferson County; and will always be missed by his friends and co-workers.

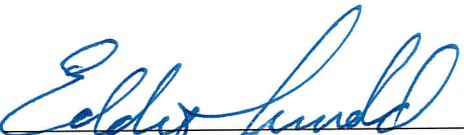
NOW THEREFORE, BE IT RESOLVED that the Jefferson County Commissioners Court does hereby honor and commend ***Giles B. Holst***, for his dedicated service as a valuable employee of Jefferson County and wishes him well in his retirement.

SIGNED this 25th day of June, 2018.



JUDGE JEFF R. BRANICK
County Judge

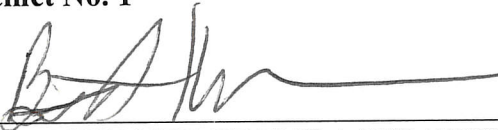




COMMISSIONER EDDIE ARNOLD
Precinct No. 1

// Absent

COMMISSIONER MICHAEL S. SINEGAL
Precinct No. 3



COMMISSIONER BRENT A. WEAVER
Precinct No. 2



COMMISSIONER EVERETTE D. ALFRED
Precinct No. 4



JEFFERSON COUNTY SHERIFF'S OFFICE
SHERIFF ZENA STEPHENS

To: Honorable Jeff R. Branick
Commissioner – Eddie Arnold
Commissioner – Brent Weaver
Commissioner – Michael S. Sinegal
Commissioner – Everette Alfred

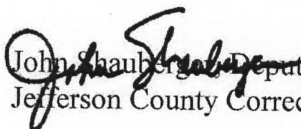
From: Jefferson County Correctional Facility

Subject: Resolution for Retiring Correctional Officer Brent K. Smithhart
Agenda item for the week of June 25, 2018

Date: June 21, 2018

Consider and possibly approve a Resolution recognizing Correctional Officer Brent K. Smithhart for 29 years and 5 months of dedicated Correctional service to the citizens of Jefferson County and in wishing him well in his retirement.

Sincerely,


John Shaubert, Deputy Chief
Jefferson County Correctional Facility

STATE OF TEXAS

www

COMMISSIONERS COURT

COUNTY OF JEFFERSON

OF JEFFERSON COUNTY, TEXAS

COMMISSIONER EVERETTE D. ALFRED
Precinct No. 4



Consider and possibly approve Out of State Travel Policy

Motion: Commissioner Alfred

Second: Commissioner Arnold

Approved

Out Of State Travel Policy

When requesting approval OUT OF STATE TRAVEL, the department head or elected official should submit information, along with the request for approval as an agenda item that addresses the following questions:

- 1. Is the trip budgeted? If not, how is the trip to be funded?**
Yes through our travel account
- 2. Is the training mandatory or does the training directly impact the employee's assigned job duties?**
Yes
- 3. Does the benefit appear to be worth the cost?**
Yes
- 4. Is the training available locally or within Texas at a lower cost?**
No

Special, June 25, 2018

There being no further business to come before the Court at this time,
same is now here adjourned on this date, June 25, 2018