



JEFFERSON COUNTY, TEXAS

PURCHASING DEPARTMENT

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

ADDENDUM TO IFB

IFB Number: IFB 21-020/JW

IFB Title: Camera System (for Bell 407 Helicopter)
for the Jefferson County Sheriff's Office

IFB Due: **11:00 am CT, Wednesday, May 12, 2021 (Per this Addendum)**

Addendum No.: 1

Issued (Date): April 21, 2021

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:

- **Bid Due Date Extended to: 11:00 am, CT, Wednesday, May 12, 2021**
- **Revised Technical Specifications**
- **Revised Bid Form**

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)

Title of Person Signing Above

Typed Name of Business or Individual

Address

***REVISED* Technical Specifications**

CAMERA SENSOR:

- 10.25" max turret dia. (excluding connector interface) (***less than 11"***)
- 14.0" max turret height (excluding mounting interface)
- 38 lbs. max turret weight (excluding mounting interface) (***less than 40 lbs***)
- Four Axis active stabilization
 - 2-axis inner (pitch/yaw) and 2-axis outer (azimuth/elevation)
 - 6 -axis passive vibration isolation (pitch/roll/yaw)
- Fully integrated/compatible with the Churchill ARS, AeroComputers UC-6000, CartNav AIMS and Force X mapping systems
- 15 micro-radian or less typical stability on all sensors without the use of external vibration isolator, fast steering mirrors or other electronic image stabilization methods
- Elevation Coverage: +90° to -120°
- Azimuth Coverage: 360° continuous
- Integrated missile grade IMU mounted on the optical bench to support both gimbal stability and geo-pointing (co-located with imaging sensors). ≤2.5mrad pointing typical accuracy. Embedded GPS.
- 1920 X 1080 CMOS HD color sensor (EOW) with 30.2° x 1.2° optical HFOV (720P). 1080p or 720p video format
- 1920 X 1080 CMOS color daylight spotter-scope sensor (EON) with a fixed HFOV of 0.61° degree's (720P). 1080p or 720p video format
- 1280 X 720 Mid-Wave 8-micron pixel pitch IR Camera (HDIR) with 30.2° X 2.9° continuous optical zoom or step zoom (operator selectable) or 640 X 512 Mid-Wave IR Camera with 30.0 – 1.8° HFOV, continuous optical zoom or step zoom (operator selectable). 1080p or 720p video format
- Optional Low Light Monochrome EMCCD sensor 640 X 480 with 40.8 degree to 2.38° continuous zoom. 1080p or 720p video format
- ~~-Combined Laser Illuminator (Pointer) / Laser Range Finder (CLIRF) payload option. LI 852nm diode laser combined with a 1.54µm Laser Range Finder with 20km range. OMIT THIS FEATURE~~
- 2X & 4X digital zoom on all sensors
- Enhanced Image Processing for both IR and EO sensors (Local Area Contrast Enhancement, Digital Contrast Enhancement, Edge Sharpening, Image Noise Reduction)
- Picture-In-Picture (PiP) and Pseudo-Color IR standard
- Optional Image Blending/Fusion
- Available Interfaces RS-422, RS-232, Mil-Std-1553B and Ethernet. Interface with third party Moving Map Systems
- Power requirements 112 w (280 W max), 4-amp steady state (10 amp max)

SYSTEM CONTROLLER:

Ruggedized Hand Controller with integrated backlighting, not to exceed 2.2Lbs and 4.25' (W) x 9" (L) x 3" (D)

CONNECTOR, CABLE KIT, AND PURGE KIT/OPERATION MAINTENANCE KIT:

Turret Connection Kit:

To include the following system mating connectors:

- TUR-P1 Primary
- TUR-P2 Signal
- TUR-P3 Video

Notes:

- TUR-J4 GPS connector are not to be included.
- Back-shells are not to be included.

Straight-Through Integrator Cable Kit:

Integrator Cable Kit for Straight-Through applications; complete with a set of unterminated cable bundles with standard connectors, contacts and straight back-shells supplied:

- Primary Turret Cable (10m)
- Enhanced Communications Cable (10m)
- Enhanced Video Cable (10m)

Notes:

- Cable drawings provided for integrator installation.
- 90 degree back-shells & straight back-shells included

Purge Kit / Operational Maintenance Kit:

- Pelican storage case
- Air-hose with 1/4" End Fitting
- Absolute Pressure Reducing Regulator
- Pressure Gauges (2):
 - Schrader Valve Socket

Purge Adapter:

- Recommended for high dew point environments
- Includes Service Bulletin #00103

Thermal Imager, cooled:

- HD 1280 X 720 pixel, continuous zoom
- Replaces SD Thermal Imager

ELECTRO OPTIC NARROW (EON) DAY TV CARNER/SPOTTER:

- Spotter, High sensitivity color imager HD i 920 X 1080 pixel

ADVANCED VIDEO TRACKER:

- Functions on any imaging sensor video

Note: To include AVGT mode

INTERNAL GPS SYSTEM:

- Geo-referenced target location
- GPS to include antenna and embedded receiver
- LRF required

REMOTE CONTROL SUBSYSTEM (RCS) INTERFACE:

- Remote control subsystem (RCS) interface
- Control turret by a host computer/ mission system
- Supported on one of RS-422t EU1ernet, or MIL-STD-1553b port

MOUNTING SYSTEM:

- Mounting System is NOT included in this bid.

Installation:

The vendor *shall not be required* to install this equipment.

Support:

- Field Support technicians for on-site service support
- Multiple North American support/repair centers
- 24 month / 1,000 hour standard warranty

***REVISED* Bid Form**

Item No.	Quantity	Item Description	Total Bid Price
1	1	Camera System (for Bell 407 Helicopter) Make: _____ Model: _____	\$ _____ . _____
Bid Price: Total Bid Price <u>to include</u> the Camera System and Components as described in these specifications; to include warranty.			
Projected Delivery Lead Time from Date of Purchase:			_____ weeks

Acknowledgment of Addenda (if any):

Addendum 1 _____	Date Received _____
Addendum 2 _____	Date Received _____
Addendum 3 _____	Date Received _____

REQUIRED* with Bid Submission:

▪ **Itemized Comparison**

Bidder shall submit an Itemized Comparison documenting equivalence for dimensions, quality, performance, and features of the products offered – *in comparison with the technical specifications included in this Invitation for Bid.*

▪ **Manufacturer Specifications:**

Bidder shall submit a copy of the Manufacturer's Specifications (to include full warranty terms and customer support option(s) available).

Bidder: Complete & Return this Form with Offer.