



## BENTON COUNTY BOMB SQUAD / EOD VEHICLE

**RFB Issue/Ad Date(s):** February 27, 2022

**RFB Issuing Office:** Benton County Government

**Properties Representative:** Terry Lewis  
Office Phone: 479-464-6168  
Fax: 479-271-1748  
E-mail: terry.lewis@bentoncountyar.gov

**USPS Mail Address:  
(or hand-deliver)** Benton County Administration Building  
Properties Office  
215 E. Central Ave., Ste. 304  
Bentonville, AR 72712  
Attention: Terry Lewis

**Bids Due / Deadline:** March 10, 2022 at 2:00 PM (local time)

**Bid Opening via Zoom:** <https://us02web.zoom.us/j/88624500098?pwd=MUVxT2xldVBqODgwRHITakhRYjJMQT09>

Meeting ID: 886 2450 0098

Passcode: 237186

One tap mobile

+13126266799,,88624500098#,,,,\*237186# US (Chicago)

+16468769923,,88624500098#,,,,\*237186# US (New York)

Pursuant to Arkansas Code Annotated §22-9-203 Benton County encourages all qualified small, minority, and women-owned businesses to bid on and receive contracts for goods, services, and construction. Also, Benton County encourages all general contractors to subcontract portions of their contract to qualified small, minority and women-owned businesses.

RFB's shall be submitted in sealed envelopes labeled **2022 Bomb Squad EOD Vehicle** with the name and address of the Bidder.

RFB's shall be submitted in accordance with the attached Benton County specifications and RFB documents attached hereto. Each Bidder is required to fill in every blank and shall supply all information requested; failure to do so may be used as basis of rejection.

Benton County RFB  
2022 Bomb Squad / EOD Vehicle  
**Advertisement**

---

Benton County, Arkansas is requesting bids for Bomb Squad / EOD vehicle. To be considered, bid must be received at the Benton County Administration Building, 215 East Central, Ste. 304, Bentonville, Arkansas before March 10, 2022 @ 2:00 pm (local time) via zoom meeting (see bid packet for zoom link). Forms and addendums can be downloaded from the County's web site at <https://bentoncountyar.gov/accounting/open-bids/>.

All questions regarding the qualification process should be directed to Terry Lewis at [terry.lewis@bentoncountyar.gov](mailto:terry.lewis@bentoncountyar.gov) or by telephone at 479-464-6168. All questions regarding specifications should be directed to Mike Meadors email at [mike.meadors@bentonville.arkansas.gov](mailto:mike.meadors@bentonville.arkansas.gov). Bidder must be familiar with Federal & FEMA rules & regulations as required by the Uniform Administrative Requirements for Federal Awards (2 CFR 200). Bids submitted shall be qualified to do business and licensed in accordance with all applicable laws of the state and local governments where the project is located. Pursuant to Arkansas Code Annotated §22-9- 203 Benton County encourages all qualified small, minority and women business enterprises to bid on and receive contracts for goods, services, and construction. Also, Benton County encourages all general contractors to subcontract portions of their contract to qualified small, minority and women business enterprises.

Benton County reserves the right to reject any and all bids and to waive irregularities therein, and all Bidders shall agree that such rejection shall be without liability on the part of Benton County for any damage or claim brought by any Bidder because of such rejections, nor shall the Bidder seek any recourse of any kind against Benton County because of such rejections. The filing of any bid in response to this invitation shall constitute an agreement of the Bidder to these conditions. The cost of this publication was \$127.68, paid for by Benton County Department of Emergency Management general fund.

Ad Date 02/27/2022

<b>SECTION</b>	<b>PAGE NUMBER</b>
Cover page	01
Advertisement	02
Contents	03
Section A: General Terms & Conditions	04
Section B: Vendor References	11
Section C: Statement of Disclosure and Contact Information	12
Section D: Specifications	13
Section E: Pricing	35
Section F: Authorized Signature Page	36

**1. SUBMISSION OF A BID:**

- A. Please submit (1) electronically (CD or USB flash drive) in addition to one (1) hard copy. Please submit your documents on a properly labeled CD or USB flash drive. The use of Adobe PDF documents is strongly recommended. Files contained on the CD or electronic media shall not be restricted against saving or printing. The electronic copy shall be identical to the original papers submitted. Electronic copies shall not be submitted via e-mail to County employees.
- B. Bids will be reviewed following the stated deadline, as shown on the cover sheet of this document. The names of respondents only will be available after the deadline until a contract has been awarded by the Benton County. All interested parties understand proposal documents will not be available until after a valid contract has been executed.
- C. Bidders shall submit a bid based on documentation published by Benton County.
- D. Bids shall be enclosed in sealed envelopes or packages addressed to Benton County, 215 East Central, Room 304, Bentonville, Arkansas 72712. The name, address of the firm and RFB name shall be on the outside of the packaging as well as on any packages enclosed in shipping containers or boxes.
- E. Bids must follow the format of the RFB. Bidders should structure their responses to follow the sequence of the RFB.
- F. Bidders shall have experience in work of the same or similar nature, and must provide references that will satisfy Benton County. Bidder may furnish a reference list, of clients for whom they have performed similar services and must provide information as requested in this document.
- G. Bidder is advised that exceptions to any of the terms contained in this RFB must be identified in its response to the RFB. Failure to do so may lead the County to declare any such term non-negotiable. Bidder's desire to take exception to a non-negotiable term will not disqualify it from consideration for award.
- H. Bids will need to be received by **March 10, 2022 @ 2:00 pm local time**

**2. WRITTEN REQUESTS FOR INTERPRETATIONS OR CLARIFICATION:**

No oral interpretations will be made to any firms as to the meaning of specifications or any other contract documents. All questions pertaining to the terms and conditions or scope of work of this bid must be sent in writing via e-mail to the County Properties office. Responses to questions may be handled as an addendum if the response would provide clarification to the requirements of the bid/proposal. All such addenda shall become part of the contract documents. The County will not be responsible for any other explanation or interpretation of the proposed RFB made or given prior to the award of the contract.

### **3. RIGHTS OF BENTON COUNTY IN REQUEST FOR BID PROCESS:**

In addition to all other rights of Benton County, under state law, the County specifically reserves the following:

- A. Benton County reserves the right to rank firms and negotiate with the highest-ranking firm.
- B. Benton County reserves the right to select the bid that it believes will serve the best interest of the County.
- C. Benton County reserves the right to accept or reject any and all bids.
- D. Benton County reserves the right to cancel the entire request for bid.
- E. Benton County reserves the right to remedy or waive technical or immaterial errors in the request for bid or in bids submitted.
- F. Benton County reserves the right to request any necessary clarifications, additional information, or proposal data without changing the terms of the bid.
- G. Benton County reserves the right to make selection of the Bidder to perform the services required on the basis of the original bid without negotiation.

### **4. EVALUATION CRITERIA:**

The evaluation criteria define the parameters that will be used by the selection committee to evaluate and score responsive, responsible and qualified bids. The different evaluation parameters are shown in the chart below:

<b>Item No.</b>	<b>Parameter</b>
1	Specialized experience and technical competence of the firm with respect to the type of professional services required.
2	Capacity and capability of the firm to perform the work in question including specialized services, within the time limitations fixed for the completion of the project.
3	Past record of performance of the firm with respect to such factors as control of costs, quality of work and ability to meet schedules and deadlines.
4	Firm's proximity to and familiarity with the area in which the project is located.

**5. COSTS INCURRED BY BIDDERS:**

All expenses involved with the preparation and submission of bids to the County, or any work performed in connection therewith, shall be borne solely by the Bidder(s). No payment will be made for any responses received, or for any other effort required of, or made by, the Bidder(s) prior to contract commencement.

**6. ORAL PRESENTATION:**

An oral presentation and/or interview may be requested of any firm, at the selection committee's discretion.

**7. CONFLICT OF INTEREST:**

- A. The Bidder represents that it presently has no interest and shall acquire no interest, either direct or indirect, which would conflict in any manner with the performance or services required hereunder, as provided in Arkansas Code Annotated §14-14-1202.
- B. The Bidder shall promptly notify Benton County in writing, of all potential conflicts of interest for any prospective business association, interest, or other circumstance which may influence or appear to influence the bidder's judgment or quality or services being provided. Such written notification shall identify the prospective business association, interest or circumstance, the nature of which the Bidder may undertake and request an opinion to the County as to whether the association, interest or circumstance would, in the opinion of the County; constitute a conflict of interest if entered into by the Bidder. The County agrees to communicate with the Bidder its opinion via e-mail or first-class mail within thirty days of receipt of notification.

**8. WITHDRAWAL OF BID:**

A bid may be withdrawn at any time.

**9. LATE BID OR MODIFICATIONS:**

- A. Bid and modifications received after the time set for the bid submittal shall not be considered. Modifications in writing received prior to the deadline will be accepted. The County will not be responsible for misdirected bids. Bidders should contact the County Properties office at (479) 464-6168 to ensure receipt of their submittal documents prior to opening time and date listed.
- B. The time set for the deadline shall be local time for Bentonville, Arkansas on the date listed. All bids shall be received in the County Properties office BEFORE the stated deadline.

**10. LOCAL, STATE AND FEDERAL COMPLIANCE REQUIREMENTS:**

- A. The laws of the State of Arkansas apply to any purchase made under this request for bid. Bidders shall comply with all local, state, and federal directives, orders and laws as applicable to this bid and subsequent contract(s) including but not limited to Equal Employment Opportunity (EEO), Disadvantaged Business Enterprises (DBE), & OSHA as applicable to this contract.
- B. Pursuant to Arkansas Code Annotated §22-9-203 Benton County encourages all qualified small, minority and women-owned businesses to bid on and receive contracts for goods, services, and construction. Also, Benton County encourages all general contractors to subcontract portions of their contract to qualified small, minority and women-owned businesses.

## **11. COLLUSION:**

The Bidder, by affixing his or her signature to this bid, agrees to the following: "Bidder certifies that his bid is made without previous understanding, agreement, or connection with any person, firm or corporation making a bid for the same item(s) and/or services and is in all respects fair, without outside control, collusion, fraud, or otherwise illegal action."

## **12. RIGHT TO AUDIT, FOIA AND JURISDICTION:**

- A. Benton County reserves the privilege of auditing a vendor's records as such records relate to purchases between the County and said vendor.
- B. Freedom of Information Act: County contracts and documents prepared while performing County contractual work are subject to the Arkansas Freedom of Information Act. If a Freedom of Information Act request is presented to Benton County, the (Contractor) will do everything possible to provide the documents in a prompt and timely manner as prescribed in the Arkansas Freedom of Information Act (§A.C.A. 25-19-101). Only legally authorized photocopying costs pursuant to the FOIA may be assessed for this compliance.
- C. Legal jurisdiction to resolve any disputes shall be Arkansas with Arkansas law applying to the case.

## **13. COUNTY INDEMNIFICATION:**

- A. Due to the County statutory tort immunity, it doesn't carry liability insurance for such claims. Accordingly, any contract entered into with the successful bidder/candidate may not include a clause in which the County agrees that it or its' officials or employees will indemnify the other party.
- B. The successful Bidder(s) agrees to indemnify the County and hold it harmless and against all claims, liability, loss, damage or expense, including but not limited to counsel fees, arising from or by reason of any actual or claimed trademark, patent or copyright infringement or litigation based thereon, with respect to the services or any part thereof covered by this order, and such obligation shall survive acceptance of the services and payment thereof by the County.

## **14. VARIANCE FROM STANDARD TERMS & CONDITIONS:**

All standard terms and conditions stated in this request for bid apply to this contract except as specifically stated in the subsequent sections of this document, which take precedence, and should be fully understood by Bidders prior to submitting a bid on this requirement.

## **15. PAYMENT AND INVOICING:**

The Bidder must specify in their bid the exact company name and address which must be the same as invoices submitted for payment as a result of award of this RFB. Further, the successful Bidder is responsible for immediately notifying the County Properties office of any company name change, which would cause invoicing to change from the name used at the time of the original RFB.

**16. CANCELLATION:**

- A. The County reserves the right to cancel this contract without cause by giving thirty (30) days prior notice to the Contractor in writing of the intention to cancel or with cause if at any time the Contractor fails to fulfill or abide by any of the terms or conditions specified.
- B. Failure of the contractor to comply with any of the provisions of the contract shall be considered a material breach of contract and shall be cause for immediate termination of the contract at the discretion of Benton County.
- C. In addition to all other legal remedies available to Benton County, the County reserves the right to cancel and obtain from another source, any items and/or services which have not been delivered within the period of time from the date of order as determined by Benton County.
- D. Any contract entered into with a successful bidder/candidate extending beyond the current budget year the County (which is the calendar year) is subject to non-appropriation. Accordingly, any contract entered into by the County must provide that in the event no funds or insufficient funds are appropriated for the continuation of the contract, the contract will end as of the last day for which funds were appropriated without penalty to the county.

**17. ASSIGNMENT, SUBCONTRACTING, CORPORATE ACQUISITIONS AND/OR MERGERS:**

- A. The Contractor shall perform this contract. No assignment of subcontracting shall be allowed without prior written consent of the County. If a Bidder intends to subcontract a portion of this work, the Bidder shall disclose such intent in the bid submitted as a result of this RFB.
- B. In the event of a corporate acquisition and/or merger, the Contractor shall provide written notice to the County within thirty (30) calendar days of Contractor's notice of such action or upon the occurrence of said action, whichever occurs first. The right to terminate this contract, which shall not be unreasonably exercised by the County, shall include, but not limited to, instances in which a corporate acquisition and/or merger represent a conflict of interest or are contrary to any local, state, or federal laws. Action by the County awarding a bid to a firm that has disclosed its intent to assign or subcontract in its response to the RFB, without exception shall constitute approval for purpose of this Agreement.

**18. NON-EXCLUSIVE CONTRACT:**

Award of this RFB shall impose no obligation on the County to utilize the vendor for all work of this type, which may develop during the contract period. This is not an exclusive contract. The County specifically reserves the right to concurrently contract with other companies for similar work if it deems such an action to be in the County's best interest. In the case of multiple-term contracts, this provision shall apply separately to each item.

**19. ADDITIONAL REQUIREMENTS:**

The County reserves the right to request additional services relating to this RFB from the Bidder. When approved by the County as an amendment to the contract and authorized in writing prior to work, the Contractor shall provide such additional requirements as may be necessary.



## **20. SERVICES AGREEMENT OR CONTRACT:**

A written agreement/contract, incorporating information from this bid, will be prepared by the Bidder, signed by the successful Bidder and presented to Benton County for approval and signature of the County Judge.

## **21. INTEGRITY OF REQUEST FOR BID DOCUMENTS:**

Bidders shall use the original RFB form(s) provided by the County Properties office and enter information only in the spaces where a response is requested. Bidders may use an attachment as an addendum to the RFB form(s) if sufficient space is not available on the original form for the Bidder to enter a complete response. **Any modifications or alterations to the original RFB documents by the Bidder, whether intentional or otherwise, will constitute grounds for rejection of such RFB response.** Any such modifications or alterations a Bidder wishes to propose shall be clearly stated in the Bidder's RFB response and presented in the form of an addendum to the original RFB documents.

## **22. OTHER GENERAL CONDITIONS:**

- A. Bidder must provide the County with their bids signed by an employee having legal authority to submit bids on behalf of the Bidder. The entire cost of preparing and providing responses shall be borne by the Bidder.
- B. The County reserves the right to request any additional information it deems necessary from any or all Bidders after the submission deadline.
- C. The request for bid is not to be construed as an offer, a contract, or a commitment of any kind, nor does it commit the County to pay for any costs incurred by Bidder in preparation. It shall be clearly understood that any costs incurred by the Bidder in responding to this request for bid is at the Bidder's own risk and expense as a cost of doing business. The County shall not be liable for reimbursement to the Bidder for any expense so incurred, regardless of whether or not the bid is accepted.
- D. If products, components, or services other than those described in this bid document are proposed, the bidder must include complete descriptive literature for each. All requests for additional information must be received within five working days following request.
- E. Any uncertainties shall be brought to the attention of Ms. Terry Lewis immediately via telephone (479) 464-6168 or by e-mail at [Terry.Lewis@bentoncountyar.gov](mailto:Terry.Lewis@bentoncountyar.gov). It is the intent and goal of Benton County to provide documents providing a clear and accurate understanding of the scope of work to be completed and/or goods to be provided. We encourage all interested parties to ask questions to enable all bidders to be on equal bid terms.
- F. Any inquiries or requests for explanation in regard to the County's requirements should be made promptly to Ms. Terry Lewis, Benton County, via e-mail at [Terry.Lewis@bentoncountyar.gov](mailto:Terry.Lewis@bentoncountyar.gov) or telephone at (479) 464-6168. No oral interpretation or clarifications will be given as to the meaning of any part of this request for bid. All questions, clarifications, and requests, together with answers, if any will be provided to all firms via written addendum. Names of firms submitting any questions, clarifications, or requests will not be disclosed until after a contract is in place.
- G. At the discretion of the County, one or more firms may be asked for more detailed information before final ranking of the firms, which may also include oral interviews. NOTE: Each Bidder shall submit an "Authorized Negotiator Form" containing the signature of a duly authorized officer or agent of the

Bidder's company empowered with the right to bind and negotiate on behalf of the Bidder for the amounts and terms proposed.

- H. Any information provided herein is intended to assist the Bidder in the preparation of bid necessary to properly respond to this RFB. The RFB is designed to provide qualified Bidders with sufficient basic information to submit bids meeting specifications and/or test requirements, but is not intended to limit a RFB's content or exclude any relevant or essential data.
- I. Bidders irrevocably consent that any legal action or proceeding against it under, arising out of or in any manner relating to this Contract shall be controlled by Arkansas law. Bidder hereby expressly and irrevocably waives any claim or defense in any said action or proceeding based on any alleged lack of jurisdiction or improper venue or any similar basis.
- J. The successful Bidder shall not assign the whole or any part of this Contract or any monies due or to become due hereunder without written consent of Benton County. In case the successful Bidder assigns all or any part of any monies due or to become due under this Contract, the Instrument of assignment shall contain a clause substantially to the effect that is agreed that the right of the assignee in and to any monies due or to become due to the successful Bidder shall be subject to prior liens of all persons, firms, and corporations for services rendered or materials supplied for the performance of the services called for in this contract.
- K. The successful Bidder's attention is directed to the fact that all applicable Federal and State laws, County and municipal ordinances, and the rules and regulations of all authorizes having jurisdiction over the services shall apply to the contract throughout, and they will be deemed to be included in the contract as though written out in full herein. The successful Bidder shall keep himself/herself fully informed of all laws, ordinances and regulations of the Federal, State, County and municipal governments or authorities in any manner affecting those engaged or employed in providing these services or in any way affecting the conduct of the services and of all orders and decrees of bodies or tribunals having any jurisdiction or authority over same. If any discrepancy or inconsistency should be discovered in these Contract Documents or in the specifications herein referred to, in relation to any law, ordinance, regulation, order or decree, he/she shall herewith report the same in writing to Benton County.
- L. All Benton County properties are tobacco-free zones. Bidder, contractor(s), subcontractor(s) and all hired staff – whether part time or full time – shall abide by County rules. County Property includes interior of County buildings, exterior yards, lawns, parking lots, and picnic areas.
- M. All charges **should** be included on the Official Bid Sheet(s) which includes all associated costs (including but not limited to delivery, freight, **tax**, etc.) for the goods or services being bid.

The following information is required from all bidders so all bids may be reviewed and properly evaluated:

Company Name \_\_\_\_\_  
Business Address \_\_\_\_\_  
Number of years in business \_\_\_\_\_ How long in present location \_\_\_\_\_  
Total number of current employees \_\_\_\_\_ Full time \_\_\_\_\_ Part time \_\_\_\_\_  
Number of employees you plan to use to service this contract \_\_\_\_\_ Full time \_\_\_\_\_ Part time \_\_\_\_\_  
Does your business qualify as a small \_\_\_\_\_ minority \_\_\_\_\_ or women-owned \_\_\_\_\_ business  
Please list local commercial and/or governmental references that you have previously performed similar contract services for within the past five (5) years:

- 1 Company Name: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Fax Number: \_\_\_\_\_  
E-Mail Address: \_\_\_\_\_
  
- 2 Company Name: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Fax Number: \_\_\_\_\_  
E-Mail Address: \_\_\_\_\_
  
- 3 Company Name: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Fax Number: \_\_\_\_\_  
E-Mail Address: \_\_\_\_\_
  
- 4 Company Name: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Fax Number: \_\_\_\_\_  
E-Mail Address: \_\_\_\_\_

**Section C: Statement of Disclosure and Contact information**

---

Bidder must disclose any possible conflict of interest with Benton County, including, but not limited to, any relationship with any Benton County employee. Your response must disclose if a known relationship exists between any principal or employee of your firm and any Benton County employee or County elected official.

If, to your knowledge, no relationship exists, this should also be stated in your response. Failure to disclose such a relationship may result in cancellation of a purchase and/or contract as a result of your response. This form must be completed and returned in order for your bid to be eligible for consideration.

**PLEASE CHECK ONE OF THE FOLLOWING AS IT APPROPRIATELY APPLIES TO YOUR FIRM:**

\_\_\_\_\_ **NO KNOWN RELATIONSHIP EXISTS**

\_\_\_\_\_ **RELATIONSHIP EXISTS (Please explain)**

---

---

---

**PRIMARY CONTACT INFORMATION**

At the discretion of the County, one or more firms may be asked for more detailed information before final ranking of the firms, which may also include oral interviews. **NOTE: Each Bidder shall submit to the County a primary contact name, e-mail address, and phone number (preferably a cell phone number) the County Selection Committee can contact for clarification or interview via telephone.**

Name of Primary Contact: \_\_\_\_\_

Title of Primary Contact: \_\_\_\_\_

Phone number #1 (cell phone): \_\_\_\_\_ Secondary Phone#: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Is the primary contact (listed in part 1) able to legally bind contracts? YES NO

If no, please list contact that can legally bind a contract for the firm:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Phone #1 (cell phone): \_\_\_\_\_ Phone 2: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

## **SPECIFICATIONS**

It is the intent of these specifications to describe in sufficient detail to secure bids on comparable items. Any items not conforming to these specifications will be rejected, and it will be the responsibility of the bidder to conform to the requirements unless deviations have been specifically cited by the bidder and an acceptance made on the basis of the exception.

Brand names may be used to simplify or indicate the general description of the commodities required, but at no time, shall such names be used to indicate any preference or to prevent bidding on commodities of like quality and coming within reasonably close price range.

## **SCOPE**

The following specifications outline the minimum requirements for a custom manufactured EOD response unit for use by the Bentonville Police Department (BPD). The EOD unit will be divided into two (2) distinct areas separated by a door. Area one to include one (1) flat floor slide out room, entrance door, a minimum of two (2) seated work stations, six (6) overhead storage cabinets, one (1) roll-up door storage cabinet, storage shelves with cargo netting, drawer cabinet, and two (2) steel day boxes. Area two will have an entrance door, ramp to load robot, overhead storage cabinets, and folding work surfaces. While all efforts have been made to fully detail the construction materials methods and equipment required to build this EOD vehicle, it remains the vendor's responsibility to choose components that will provide maximum performance, service life and safety and not just meet the minimum requirements.

No drawings are provided. It is in the best interest of BPD to evaluate each vendor's configuration concepts based on the description above and the information included throughout these specifications.

Due to the complexity of the conversion vendors must provide detailed specifications. A general statement or letter stating that the vendor meets all specifications will not be acceptable. Additionally, photo copies of this specification will not be an accepted response. For ease of evaluation, all submitted specifications must follow the format of this document. Failure to meet these requirements may lead to vendors response being deemed as nonresponsive.

To ensure BPD a source of service and parts over the anticipated life of the vehicle potential vendors must have established a permanency in the industry for a minimum of twenty (20) years. Vendors must include with their proposal a list of twelve (12) cab and chassis style vehicles delivered within the last eighteen (18) month period. Reference vehicles must have fully automatic vehicle automation system with logic capabilities and flush floor slide out room extensions. Reference list must include Department name, contact name, contact telephone number, contact email, date of delivery, VIN, and exterior vehicle photo. BPD will be contacting references, if information on provided lists is incorrect or named contacts are unreachable vendors response will be deemed non-responsive. No exceptions.

The ability to have the EOD vehicle fully operational in a minimum amount of time is of utmost importance, therefore a fully integrated vehicle automation system is required. The vehicle automation system must include an auto set up mode that will enable the vehicle to be fully operational/fully deployed in no more than five minutes time by a single operator. This includes but is not limited to: generator startup, interior and exterior lighting powered on, HVAC systems powered on, galley equipment powered on, audio/video systems

powered on, slide outs deployed, stabilizer system deployed, radio systems powered on, computer network equipment powered on, battery charging system powered on, and awning extended. Complete details for the vehicle automation system are listed throughout the specifications.

BPD reserves the option to request, and the vendor shall agree to provide, a demonstration and evaluation of a vehicle that has a fully integrated vehicle automation system prior to award. The demonstration shall be made available at no additional cost.

There will be no down payment, prepayments or progress payments. No exceptions.

Vendor must be awarded ISO 9001:2015 certification and must include a copy of their certification certificate with response. ISO certification must be for design, fabrication, integration, upfit and retrofit of emergency response and commercial specialty vehicles. Additionally, the ISO certificate must list the full address of all facilities that are covered by the certification and the vendor will be required to build the vehicle at the listed facilities. No exceptions to any of the ISO requirements.

Prototype and/or demonstrator vehicles will not be accepted under any circumstance. Additionally, the body is to be a standard commercially available production model and may not include any proprietary construction techniques or components. No exceptions.

Vendor must stock a complete line of special service equipment and parts for this vehicle. Vendor must be able to supply 90% of parts required to maintain this vehicle within 24 hours. Note: BPD reserves the right to request certain items be shipped at vendor's expense to verify ability to comply. Failure to respond as stated will be cause for rejection.

Brand names are used to establish minimum standards. If an alternate brand or model is specified, equivalency must be demonstrated. All exceptions are to be listed on a separate sheet of paper with reasons for exceptions. If an item is to be purchased, rather than manufactured by the vendor, appropriate literature demonstrating equivalency must be provided. Failure to demonstrate equivalency will be cause for rejection.

In order to fairly evaluate each vendor's technical ability and design capability, drawings are to be provided. All drawings submitted will be on the same size paper and to the same scale.

The drawings are to be on "D" size paper, 24" x 36" in size, all views must be on 1/2" = 12" scale. CAD prints are preferred.

The drawings are to be provided as follows:

- Interior floor plan (overhead)
- Right hand section view interior
- Driver and passenger view exterior
- Front and rear-view exterior
- Appropriate section views interior
- Left hand section view interior
- Roof top view exterior

In addition to the drawings each vendor must include a payload calculation work sheet showing the estimated as built front axle, rear axle and total vehicle weight of the proposed vehicle. These calculations must be based on previously built vehicles produced by the vendor. Failure to meet this requirement will result in response being deemed nonresponsive.

1 - 2023 Kenworth T-380 Conventional Cab, single rear axle truck chassis. 33,000-lb. GVWR, 256" wheelbase, with rear air ride suspension and air brakes.

**ENGINE:**

- PX-9 360 360@1650 1150@ 1200, With Turbo Exhaust Brake
- Alternator: SEG 200 amp, brush type

**TRANSMISSION:**

- Allison 3000 EVS 6-speed automatic transmission
- Customer's Typical Operating Speed – Governed at 75 mph (Max allowed on tires)

**FRONT AXLE AND EQUIPMENT:**

- 12,000# front axle

**FRONT SUSPENSION:**

- 12,000# front suspension
- Front shock absorbers

**REAR AXLE EQUIPMENT:**

- 21,000# rear axle
- Meritor driver controlled differential lock

**REAR SUSPENSION:**

- 23,000# Air suspension w/ 8.5 in. ride height.
- Single leveling valve
- Air suspension dump valve

**BRAKE SYSTEM:**

- Air brake package
- 4S/4M anti-lock brake system

**FUEL TANKS:**

- Fuel tank 50gallon RH
- DEF tank

**TIRES:**

- Michelin Radial Front Tires
- Michelin Radial Rear Tires

**WHEELS:**

- Alcoa Aluminum Front Wheels
- Alcoa Rear Wheels

**CAB:**

- Driver Seat: KW Premium Air Seat HB Vinyl w/ Dual
- Rider Seat: KW Premium Air Seat HB Vinyl w/ Dual
- CAB Color: Non-Metallic Gray Color#: L3483EY.

Note: Chassis specifications are from Kenworth and are subject to change without notice. Vendor agrees to work with BPD on potential Kenworth substitutions when the chassis is ordered.

1 - Block heater controlled through the vehicle automation system control screen (no exceptions).

1 - US DOT triangle reflector kit with three (3) triangles, for compliance with FMCSA regulations. Includes plastic storage case. Kit will be shipped loose in the vehicle.

1 - Custom fabricated pintle/ball combo trailer hitch with 16,000-lb. towing capacity. Includes:

- Reese Brakeman® IV digital electronic trailer brake control
- 7 pole blade style trailer connector.
- “D” rings for trailer safety chain connection

1 - Horizontal exhaust routed forward of street side rear axle.

**BODY:**

1 - All aluminum commercially available production model body (no exceptions). May not include any proprietary construction techniques or components. Built to the following specifications:

- Aluminum alloy double H wall beam, 6005-T5 alloy, 3” x 3” wide at the base, 1.5” wide at the top, 0.125” wall thickness 24” on center. Studs feature machined wire pass-throughs, and raised adhesive control features on base. Include photo documentation of body with proposal to verify that vendor can meet this requirement, photos must show interior structure and exterior of the body. Simply stating comply without the photo documentation will be deemed nonresponsive.

- I-beams chemically bonded to sidewalls eliminating the need for additional rivets. Buck-rivets will be used to fasten the top, bottom and rub rail. Use of two-sided tape is not acceptable.

- Body shall have 0.125” strain-hardened aluminum alloy 5052-H36 side panels. The upper panels shall be free of rivets allowing for smooth graphics application.



- NFPA 1901 embossed 0.125" aluminum tread plate roof attached to 3" x 1.5" x 0.125" extruded aluminum roof bows on 16" centers. Bows are 2" skip welded every 12". Tread plate seams to be continuous welded - no exceptions. Bows feature machined wire pass-throughs, and raised adhesive control features on base - no exceptions. Perimeter of roof shall be chemically sealed. Include photo documentation of roof with proposal to verify that vendor can meet this requirement, photos must show interior structure and exterior rooftop. Simply stating comply without the photo documentation will be deemed nonresponsive.

- Extruded aluminum floor with interlocking planks, 1.88" high x various widths, 0.12" top surface. 6005-T5 alloy and temper. Heavy-duty thick-wall extruded planks fore and aft of all floor cutouts and every 5th plank in all other areas. Planks made of 6005-t5 alloy and temper, 0.250" thick top surface.

- Full length skirting.

- All clearance and side marker lights to be LED.

- Standard structural warranty of 5 years or 50,000 miles and standard component warranty of 12 months or 12,000 miles.

- The vehicle shall be fully sanded on all exterior surfaces with no more than 150 grit to assure removal of imperfections in metal surface. All aluminum shall be chemically etched and primed prior to painting. Base body color shall be oven baked and painted to commercial truck standards.

1 - Twin (2) 19-inch wide swinging rear doors with interior and exterior latches, exterior latch has key lock.

1 - 32" wide x 82" high 0.125" aluminum sedan door with 21.5" wide x 25.5" high fixed window. Door shall have continuous stainless steel piano hinge, two (2) nylon door straps and an aluminum drip rail.

1 - Custom fabricated door holder, manually operated to hold door in fixed open position,

1 - Exterior heavy-duty knurled aluminum grab handle and chrome plated stanchions installed at entry door.

3 - Interior heavy-duty knurled aluminum grab handle with rubber inserts and chrome plated stanchions installed at entry door.

1 - Automatic LED courtesy light at entry door.

1 - Courtesy light defeat controlled through vehicle automation system. Entry door courtesy light will be automatically deactivated where the corresponding room has the overhead lighting set to night mode. No exceptions.

1 - Lippert Treadlite 30" wide - double - automatic electric steel entry step mounted under entry door. Product features:

- Automatic LED ground light

- Hold/Cycle switch that allows step to remain extended unless ignition is turned on.

- Step light will be tied into courtesy light defeat.

1 - Whelen Stop/Turn/Tail/Backup light set. Includes two of each of the following:

- Whelen M6FCV4 polished chrome vertical housings for four M6 series lighthoods. The fourth light head will be an emergency flasher as specified in the DC Emergency Lighting section.
- Whelen M6 series LED arrow shaped amber turn signal, model number M6T.
- Whelen M6 series LED brake/tail light heads, model number M6BTT.
- Whelen M6 series LED back-up light heads, model number M6BUW.

1 - Cast Products LP0004-1-B aluminum license plate mounting frame with LED light.

1 - Entire underside shall be undercoated. Includes chassis, floor extrusions, step wells and aluminum compartments.

1 - Rear mud flaps. Includes anti-sail brackets when required.

1 - Custom bi-fold aluminum 36" wide x 108" long, collapsible fold-out ramp with minimum 1250 lbs. capacity. Ramp shall stow in vertical position with a rubber clamp on each side. Includes:

- Reinforcement extrusions to increase capacity.
- Spring assist and two handles.

1 - Flat floor slide out room minimum 90" long x 30" deep.

Slide-out room specifications:

- Slide-out to be fabricated with a structurally rigid welded aluminum tube design with a fully bonded aluminum shell.
- 0.125" 5052 aluminum wall skins on slide-out.
- 1" x 3" x 0.125" 6061 aluminum wall beam channels with 2" x 6" wire chase slot 6" from the top.
- 2" x 4" x 0.125" 6061 aluminum lower tubular structure with 1" x 2" x 0.125" cross supports.
- 1" x 4" x 0.125" 6061 aluminum upper tubular structure with 1" x 1" x 0.125" cross supports.
- All exposed tube ends to be capped before welding assembly together.
- Flexible wire chase to be fully enclosed in aluminum channel with access cover. Fabric covered or exposed cable chase will not be acceptable under any circumstance.
- Awning that automatically extends and retracts over the top of the room to protect from weather and debris.
- Full perimeter double rubber bulb seal with an additional seal in the fully extended and fully retracted positions.
- Slide out shall be fully automatic and shall not require the operator to manually move the floor panel or any other component of the slide out before or after deployment.
- No track or hardware shall be attached to the ceiling of the body.
- Multiplexed electric over hydraulic control system programmed to lower the slide out to floor height after full extension.

- Vehicle automation system touchscreen shall have a slide-out extend/retract icon on the MISC screen for each slide out room.
- There shall be an interlock through the vehicle automation system to prevent moving the vehicle with the slide out extended. Vehicle automation system to give audible and visual alert if the ignition is turned to on position when any slide out is extended.

Include photos of vehicles previously built with flat floor slide out rooms forward and aft of the rear axle with response. Photos must show slide out construction and fit and finish.

Ergonomic safety and efficiency is of utmost importance in the design and functionality of this vehicle, therefore, above floor or straight out slide outs will not be acceptable.

There will be no exceptions to any of the slide out requirements.

2 - Flashing warning light for slide out.

- Amber LED.
- Lights will automatically go to flash mode when slide out is deployed and can be switched to steady burn or off through an icon on the automation system touchscreen. No exceptions.

**PAINT / GRAPHICS:**

- 1 - Body will be painted Non-Metallic Gray, color# L3483EY.
- 1 - 4-inch-wide reflective stripe on the exterior back and sides of the vehicle.
- 1 - Custom computer-generated non-reflective vinyl graphic lettering per BPD specifications.
- 5 - Custom computer-generated non-reflective vinyl shield. BPD shall supply true vector artwork required to produce shield.

**DRIVER / PASSENGER CAB AREA:**

- 1 Custom fabricated powder coated aluminum console in cab, for locating siren controller, police radio and/or other controls as specified elsewhere in this document.
- 1 - Vehicle height sign on dash.
- 1 - Vehicle shall have a Final Stage Vehicle Certification and Altered Vehicle Certification as required by Federal Motor Vehicle Safety Standards (FMVSS) 49 CFR Part 567.5 and 567.7
- 1 - Payload sticker in cab area with vehicle axle load ratings and available axle payload as built.
- 1 - Three (3) camera rear view system with 7" LCD color monitor. System includes left, right, and rear vision day/night cameras. Rear camera includes a microphone for audio commands from a spotter to the driver during backing operations.
- 1 - Grover 1601 dual trumpet air horns with foot switch
- 1 - Body entrance door ajar warning through automation system touchscreen.
- 2 - Door ajar contact/magnet.

## **WALLS, CEILING AND FLOOR:**

1 - Insulate walls with a minimum of 2-1/2" of fiberglass with an R-11 rating. Cover interior body side posts with 1/2" plywood sub wall, structural plywood sub wall, Exposure 1-APA, 5 ply, face veneer plugged and sanded. Meets California Air Resources Board (CARB) phase 2 requirements.

Include cross section photo of wall construction with bid response (photo must show outer skin, wall beam, insulation, inner sub wall and FRP wall covering - no exceptions).

1 - Insulate ceiling with a minimum of 2-1/2" of fiberglass with an R-11 rating. Cover interior roof beams with 1/2" plywood sub wall, structural plywood sub wall, Exposure 1-APA, 5 ply, face veneer plugged and sanded. Meets California Air Resources Board (CARB) phase 2 requirements.

1 - Ceiling shall be 3-piece modular design to allow easy access for future wiring additions and/or maintenance. Outer ceiling panels to be covered in silver fabric and center panels to be powder coated aluminum to match cabinetry. Include photos of modular ceiling construction with response. No exceptions.

1 - Floor underlayment to be 5/8" exterior grade tongue and groove structural plywood, Exposure 1-APA, 6 ply, face veneer plugged and sanded. Meets California Air Resources Board (CARB) phase 2 requirements.

1 - Lonseal Loncoin II Flecks non-skid commercial grade PVC flooring. The flooring shall be continuous, one-piece full length, full width, no seams.

1 - Vinyl cove molding (mop board) at base of wall, 2-1/2" high. Installed where required.

1 - Floor shall be covered with NFPA approved 0.125" embossed aluminum diamond plate in robot storage area.

6 - Flush mounted D-rings in floor for Robot securement.

1 - Flush pocket door covered in laminate, installed on heavy-duty aluminum c-channel track with two (2) three-wheel roller trucks and soft open/close feature. Pocket door shall have recessed handle and magnetic closure to keep the door open/closed. Pocket door required to be flush with door pocket when open to provide clear opening. No exceptions.

1 - All bulkheads shall be covered with Wilsonart laminate. Trim exposed edges of bulkheads with anodized aluminum trim where applicable.

3 - Cover load space door with powder coated aluminum panel with heavy-duty rubber grab handle.

1 - Blackout curtains for entry door windows.

## **GALLEY:**

1 - Norcold model DE0041R (or current model) 12Vdc/120Vac refrigerator. Refrigerator has the following features:

- 3.6-cu.ft. Capacity.
- Full width freezer compartment.
- Adjustable door bins for various size containers.
- Integrated door latches.

## **SEATING:**

2 - Space Air Grid office chair 5560 black with armrests, five caster spider base, and adjustable height.

## **CABINETS:**

1 - Custom fabricated powder coated aluminum cabinets, include photos of upper cabinets and base cabinets with response - no exceptions. Cabinet specifications:

- Base cabinets constructed of 0.080" powder coated aluminum with anodized aluminum frames.
- Base cabinet doors are double shell, formed from a single sheet of 0.080" aluminum, with a 0.040" aluminum door back attached.
- Overhead cabinets constructed of 0.064" powder coated aluminum with anodized aluminum frames.
- Overhead cabinets doors are double shell, formed from a single sheet of 0.064" aluminum, with a 0.040" aluminum door back attached.
- Overhead cabinets doors swing up on a full-length aluminum hinge, and are held open with a locking door stay.

No exceptions to cabinet construction.

1 - Radius edging incorporated on overhead cabinets.

1 - Full length three door overhead cabinet with gas shocks and dry erase writing surface on doors above workstations in meeting room.

3 - Overhead cabinet with gas shocks and dry erase writing surface on doors in forward room.

1 - Overhead cabinet with gas shocks and dry erase writing surface on doors in rear room.

1 - Full height cabinet in forward room.

1 - Locking anodized aluminum roll-up door cabinet with adjustable aluminum box pan shelf and door activated strip light in forward room.

1 - Six drawer cabinet in forward room. One drawer to be 8" high, one drawer to be 10" high, remaining drawers to have equal height. Drawers to be lined with non-slip mat.

1 - Built-in refrigerator cabinet in forward room.

1 - Base cabinet with slide out tray for BPD supplied Logos.

4 - LED light under overhead cabinet with switch.

4 - Key lock on cabinet door.

1 - Magnetic dry erase board framed in aluminum. Includes aluminum clip frame for easy board replacement.

3 - Custom fabricated Wilsonart 0.040" laminate countertops. Laminate shall be bonded to substrate and exposed edges covered with heavy duty flexible PVC T-molding.

1 - Custom fabricated 14-gauge stainless steel countertop.

2 - Custom fabricated flip-up 14-gauge stainless steel countertop in rear room.

1 - Custom fabricated powder coated aluminum console to house electrical distribution components and control panels.

**HVAC SYSTEM:**

1 - Custom heavy-duty roof hatch fabricated using NFPA aluminum with window and gas shocks.

1 - Custom fabricated aluminum ladder to provide roof access from heavy-duty hatch listed above.

2 - Ducted low profile air conditioner with power and thermostat controlled by the vehicle automation system. Includes:

- Vehicle automation system HVAC screen shall have a digital temperature display and an icon to increase or decrease the temperature setting for each air conditioner, there shall also be icons to choose fan high/low speed. Touchscreen will also have icons to select Auto, Cool or Heat modes - no exceptions.

- High-Capacity Air Duct to be powder coated aluminum, inside will be 99% pure polished aluminum, internally mounted in ceiling.

- 13,500 nominal Btu/hr air conditioner with condensate pump.

- Grille Assembly with 6,000 Btu/hr heat strip

- Louvered Ceiling Vents, as required

1 - Broan model 174 wall mount 5,120 Btu/hr electric heater. Vehicle automation system HVAC screen shall have a digital temperature display and an icon to increase or decrease the temperature setting for heater. No exceptions.

**CUSTOM PROGRAMMED VEHICLE AUTOMATION SYSTEM:**

Note: All of the vehicle automation system components must be commercially available for purchase. If a vendor proposes a proprietary vehicle automation system their response will be deemed non-responsive. No exceptions.

1 - Furnish and install a multiplexed vehicle automation system incorporated into common touchscreen that are custom programmed to monitor and control onboard systems as described throughout these specifications. The automation system software must allow simultaneous distribution of information to multiple onboard control/monitoring stations and the software must be updateable and configurable as required. This system is mandatory as it simplifies start up procedures, contains fewer operating components, reduces operational start-up time, reduces the total amount of wiring in the vehicle and has error detection protocols and troubleshooting features.

Automation system includes:

- One (1) 10" LCD touchscreen with custom graphics for control and monitoring

- One (1) touch pad with custom graphics for DC power control

- Two (2) touch pads with custom graphics for local control of HVAC and lighting

- AC power distribution control and monitoring for the generator with power management
- DC power distribution control and monitoring with I/O channels and 3 battery banks
- Manual or automatic generator control
- HVAC and temperature control in each section of the truck
- Lighting control in each section of the truck and exterior
- Automatic power transfer switches
- Automated startup and shutdown mode that will enable the command center to be fully operational/fully deployed in no more than five minutes time by a single operator. This includes but is not limited to: generator startup, interior and exterior lighting powered on, HVAC systems powered on, galley equipment powered on, audio/video systems powered on, slide out deployed, stabilizers deployed, radio systems powered on, computer network equipment powered on, battery charging system powered on, mast raised, and awning extended.
- Battery Tend mode that automatically starts the generator and charges all battery banks when voltage drops below a user definable voltage setting. The generator will run for approximately two hours to fully charge the battery banks and then shut down.
- Night Time (Red) Lighting Mode turns the ceiling lighting in each room from white to red lights.
- Reduced Lighting Mode is white ceiling lighting in each room have the option of All-On or Half-On.
- Auto Leveling feature. Includes touchscreen indication of vehicle level and control of leveling jacks individually or in pairs. Operators can manually stabilize and level the vehicle from the touchscreen. Jacks are to automatically retracted as part of the Auto Shutdown process.
- Safety interlocks and warnings. The automation system touchscreen will automatically display a warning message and give an audible alert when the ignition switch is turned to the on position with an item deployed. In order to easily identify the item causing the alert condition, the screen(s) must display a list of all items that are deployed, i.e., mast, slide out, leveling jacks, awning, etc.
- Built in back up features to ensure system is always functional

Vehicle automation touchscreen to have a minimum of five tabs, POWER (home), LIGHTING, HVAC, LEVELING and MISC. The POWER screen will display the main power control icon, AC power source (i.e. generator, shore power or auto-eject) and all AC/DC information as described elsewhere in these specifications. The power screen will also include the Auto Startup, Auto Shutdown, Storage Mode and Battery Tend Mode icons. The LIGHTING screen will display all lighting control icons as described elsewhere in these specifications. The HVAC screen will display HVAC control icons and settings as described elsewhere in these specifications. The LEVELING screen will have controls to automatically or manually stabilize the vehicle. There shall be indicators showing level status from front-to-back and side-to-side. The MISC screen will display miscellaneous information as described elsewhere in these specifications. Include photos of touchscreen control panel with response.

Vehicle automation touchscreen to have a Utility page that when accessed will show the status of system modules, gen hour meter adjustment, AC system override, and other system control features.



Vehicle automation touchscreen will automatically time out to a digital clock after 10 minutes of nonuse. Digital clock is to have 12 and 24 hour modes that are user definable.

Vehicle automation system must be completely upgradeable. Additional components may be added into system with a simple software modification.

Vehicle automation system must include electronic over-current protection (no fuses permitted) with fault indication and automatic restoration.

Vehicle automation system capabilities are not to be achieved with use of multiple monitoring systems designed for specific use i.e., water monitors, battery monitors etc.

BPD reserves the option to request a demonstration and evaluation of offeror's vehicle automation system before acceptance of contract. If requested, a demonstration shall be made available at no additional cost.

None of the above components and systems may be proprietary.

No exceptions to any of the vehicle automation system requirements.

### **AC ELECTRICAL SYSTEM:**

1 - Onan Commercial Quiet Diesel 12-kW generator model 12.0HDKCD-2209 controlled through vehicle automation system and mounted in a custom fabricated all aluminum compartment.

Generator features:

- Computer-controlled constant speed operation
- Unique sound-controlled housing encloses cooling system and muffler (69 dB(A) @ full load measured at 10 feet)
- Three-point, fully focalized internal mounting system
- Service and maintenance points accessible through easy-latch side service door
- High quality, pure sine wave electrical output maximizes sensitive equipment performance
- Typical Gal/hr fuel consumption: No load = 0.11, Half load = 0.48, Full load = 1.20

1 - Generator compartment constructed to the following specifications:

- Compartment shall be constructed from 0.187" aluminum with all welded seams.
- Compartment shall have 0.125" aluminum 2" box pan doors and 0.125" aluminum frames.
- Door frames shall be riveted to the body and welded to the compartments.
- Doors shall have stainless steel hinges attached to the doors and door frames with stainless machine screws.
- Doors shall have slam latches and flush mounted handles.
- Doors shall have 0.100" aluminum treadplate panels on interior surfaces.
- Doors shall be held open in a 90° position with gas charged lift/support cylinders.



- Doors shall be sealed with industrial grade neoprene gasket.

- LED light activated by door.

1 - ACData surge suppressor for protection of entire AC power system.

Product features:

- UL listed: UL1449 3rd Edition

- LED visual verification of status

1 - Maringo 50A-125/250Vac shore power package controlled through the vehicle automation system - no exceptions. Includes:

- Waterproof shore power inlet with cap

- 50-ft. 50A-125/250Vac shore power cord

- 6-ft. 50A-125/250Vac pigtail

1 - 20A-125Vac duplex receptacle. Receptacle is for BPD FX robot console. Controlled through the vehicle automation system - no exceptions.

7 - 20A-125Vac duplex receptacle with dual USB charging ports. Receptacle is not dedicated to any installed equipment. Controlled through the vehicle automation system - no exceptions.

6 - 20A-125Vac exterior GFCI duplex receptacle. Receptacle will be installed with a weatherproof cover. Controlled through the vehicle automation system - no exceptions.

1 - Will-Burt Night Scan Chief Powerlight NS2.3-720 WHL 4X180 watt Whelen Pioneer Plus Max LED 120V. Includes:

- Four (4) 180 watt Whelen Pioneer Plus Max LED lightheads

- Removable hand held control.

- Dual tilt remote control positioner.

- Cab mounted indicator warning light with shift interlock to prevent vehicle from being moved with light tower raised. Includes an override for emergency use.

**AC WIRING REQUIREMENTS:**

- All AC main wiring shall be stranded THHN wire and run in non-metallic Carlon Carflex liquid tight conduit.

- All AC branch circuit wiring shall be stranded THHN wire (AWG 12 minimum) and run in non-metallic Carlon Carflex liquid tight and Carlon Flex-Plus blue ENT conduit.

- All electrical circuits and appliances shall conform to applicable national electrical codes.

**DC ELECTRICAL SYSTEM:**

4 - 6Vdc Absorbed Glass Mat (AGM) batteries. Batteries shall be installed underbody in slide out weather resistant compartment. Two (2) batteries will be separated for auxiliary equipment and two (2) batteries will be for communications equipment.

2 - Electronic converter/chargers, 80-amp minimum output each. Converter/charger features:

- Charges three banks of batteries at the same time.
- UL listed for safety.
- Manual reset circuit breaker.
- Reverse battery protection.
- Electronic current limiting.
- High voltage protection.

1 - All DC electrical shall be controlled and monitored through the vehicle automation system. The POWER (home) screen shall display the chassis battery voltage and amperage load, auxiliary battery bank voltage and amperage load, and the communications battery bank voltage and amperage load.

No exceptions to any of the converter/charger installation and specifications.

10 - Light, Orion 6" LED, neutral white with polished bezel.

6 - Light, Orion 6" LED, neutral white / red with polished bezel.

1 - Ceiling lights to be divided into two (2) zones and switched through automation controls. Vehicle automation system LIGHTING screen to have light on/off icon with indicators for each room. LIGHTING screen to also have mode icon to select between Half White, Full White, and Night Mode (Red Light).

6 - Whelen M9LZC Gradient LED Scene Light with chrome flange.

1 - Scene lights to be divided into 3 zones (curb side, street side and rear) and switched through automation touchscreen. Vehicle automation system LIGHTING screen to have light on/off icon with indicator for each zone.

8 - Whelen PELCC LED light with chrome housing.

1 - Scene lights to be divided into 4 zones (curb side, street side, front and rear) and switched through automation touchscreen. Vehicle automation system LIGHTING screen to have light on/off icon with indicator for each zone.

#### **12VDC WIRING REQUIREMENTS:**

- 2-gauge minimum copper stranded battery cable shall be used for 12Vdc main supply lines. All cable runs shall be full length, no splices. All cable terminals shall be staked and soldered. All cable shall be enclosed in convoluted polyethylene tubing and the ends of the cable shall be sealed with color-coded shrink-wrap identifying the function of the cable.
- All added electrical branch circuits shall be protected from over-current by resettable circuit breakers appropriately rated for the load. Only circuit breakers shall be used in the installation of added electrical branch circuit wiring (plug type fuses are unacceptable).
- Circuit breaker functions shall be identified by engraved or printed labels.
- All added wiring for load runs of AWG 10, 12, 14, and 18, shall conform to MIL-W-16878/2 and/or UL1007/1569"

- All added wiring for load runs of AWG 8, shall conform to MIL-W-16878/3 and/or UL1028
- Wire terminals for added circuits must conform to MIL-T-7928. Terminals shall be insulated, insulation grip, TYPE II, CLASS 2 and shall be crimped with tooling recommended by the terminal manufacturer.
- All wiring shall be numbered or lettered on 6" centers minimum.
- Wiring shall be protected from chafing and abrasion with convoluted polyethylene tubing (wire loom) as required.
- Where wire passes through sheet metal, bulkheads and structural supports, plastic grommets shall be used to protect both wiring and wire looms.
- All wire bundles shall be tied with trimmed nylon ties.
- Extreme care shall be exercised to provide for easy serviceability of the system in future years.
- Extreme care must be taken in the installation to avoid the engine manifold, engine exhaust, and muffler, which could expose the wiring to severe overheating during long periods of operation. Proper insulation and heat deflection panels must be installed in such areas.
- A high-current 12Vdc system wiring schematic shall be provided.
- These are the minimum acceptable 12Vdc wiring requirements.

#### **EMERGENCY LIGHTING / SIRENS:**

- 1 - Whelen 295SLSA6 siren with 9 low current lighting control switches. California Title 13 compliant.
- Emergency lights to be set on Whelen default flash patterns
- Siren control to be separate from light controls
- 2 - Whelen SA315P high performance speaker, with SAK9 bracket.
- 2 - Whelen TLIB ION-T- Series™ Linear Super-LED® Blue with clear outer lens & TIONFC chrome flange.
- 6 - Whelen M6 series, M6BC (or current model), Linear Super-LED lighthouse with internal flasher, BLUE LED's with CLEAR outer lens. Includes M6FC chrome flange.
- 2 - Whelen M7 series Linear Super-LED lighthouse with internal flasher, BLUE LED's with clear outer lens. model M7BC Includes chrome flange M7FC.
- 14 - Whelen M9 series Linear Super-LED lighthouse with internal flasher, BLUE LED's with CLEAR outer lens. Includes chrome flange.

#### **AUDIO / VIDEO:**

- 1 - AM/FM stereo with Bluetooth and one (1) pair of 6.5" speakers installed in body area.
- 3 - Samsung 32" QLED TV QN32Q60AAFXZA (or current model) with wall mount bracket. Product features:
  - Resolution 4K
  - (3) HDMI, (2) USB
  - (2) Speakers

- DTV Tuner/ATSC / Clear QAM
  - Dimensions: 28.5"(W) x 16.8"(H) x 1.2"(D) Weight 11.7lbs
- 1 - Data Video HDR-1
- Compact, portable USB recorder that saves files.
  - Using H.264 and AAC compression, the HDR-1 records video files in 1080p.
  - Compatible with most modern USB 3.0 file storage devices, including thumb drives, hard-disk drives, and portable SSD drives.

1 - Axis Communications four camera perimeter surveillance system

Four (4) F44 Main Unit:

- Full HD 1080p Video at 60 fps
- Wide Dynamic Range and White Balance
- Up to 4 Axis Sensor Units Supported
- H.264 Compression, Dual-Stream Capable

Four (4) F1035-E camera sensors:

- 2.MP Outdoor Sensor Camera Unit with 39' Cable
- 1080p resolution 1920 x 1080
- Fisheye lens with 194° horizontal field of view
- Network surveillance camera
- Dustproof / weatherproof
- Color
- Fixed iris
- Fixed focal

1 - 64GB SD Memory Card for IP camera. The SD card shall record mast camera allowing it to be downloaded and viewable via an IP address.

1 - JACK® model OA8500 Digital HDTV Antenna + Mount with SureLock™ DTV Signal Meter. No crank up, built in Amplifier and 360° rotation for improved reception.

1 - Extron DXP 88HD 4K PLUS 8X8 HDMI Matrix Switcher. 60-1495-21

2 - Extron MKP 2000 X-Y Remote Control Panel for Extron Matrix Switchers.

1 - Extron ShareLink Pro 500 Series Wireless Collaboration Gateway. Features:

- Wirelessly share content from personal mobile devices

- Supports Microsoft Windows® and OS X® computers as well as Apple® and Android™ smartphones and tablets
- Integrated dual band wireless access point at 2.4 GHz or 5 GHz
- Provides full screen mirroring for Apple iOS devices1
- Dedicated mobile app, MirrorOp® for Extron ShareLink™, for reliable iOS and Android content sharing

7 - HDMI input jack, wall plate and cable.

1 - USB B panel mount cable with aluminum wall plate.

1 - USB A panel mount cable with aluminum wall plate.

1 - Remotec cabling and wall connections for FX robot.

**MAST AND MAST MOUNTED EQUIPMENT:**

1 - Heavy-duty non-locking telescoping pneumatic mast.

Mast features:

- **265 lb. max top load capacity**
- 26' 2" extended height
- 6' 1" nested height

Includes:

- KEY-WAY breakaway nylon key prevents tower rotation. Easily replaceable.
  - Air safety valve for over pressure release and condensation drainage.
  - Water drainage holes to avoid freezing at low temperatures.
  - Interlock to prevent vehicle from being driven with mast raised.
  - Tower does not require routine lubrication.
  - Mast cap covers the top of all tower sections when the tower is in the retracted position keeping dirt and moisture out of the tower when stowed.
  - Roof mounting bracket
- 1 - Gast 3/4-hp compressor with remote mount 5-gallon air tank.
- 1 - Custom fabricated 0.125" aluminum Nycoil cylinder with drain.
- 1 - Custom fabricated bracket on mast to mount two individual camera systems.
- 1 - Mast lookup light mounted on mast.
- 1 - Weatherproof mast up/down control switch on exterior of vehicle.

## 2 - AXIS Q6315-LE PTZ Dome Network Camera

- HDTV 1080p and 31x optical zoom
- Axis Sharpdome technology with Speed Dry
- Optimized IR with power-efficient, long-life 850 nm IR LEDs, range of reach 300 m (984 ft) or more depending on the scene
- Built-in laser that provides laser focus for precise focus and quick-zoom functionality, it allows you to easily follow fast-moving objects

## 2 - Axis T8705 Video Decoder

1 - Axis T8311 surveillance joystick. USB interface connects to a PC for PTZ control of network cameras.

2 - 64GB SD Memory Card for IP camera. The SD card shall record mast camera allowing it to be downloaded and viewable via an IP address.

### **RADIOS:**

1 - Primary 12Vdc power leads for communications radios shall be minimum 2-gauge copper stranded wire with soldered crimp-on end connectors (gauge based on radio requirements). Cables shall be enclosed in convoluted tubing and function identified with colored shrink-wrap. Power to radios shall be controlled through the vehicle automation system – no exceptions.

1 - Prewire and make installation provisions for BPD supplied dual head communications radio. Installation includes:

- NMO-style base on the roof or antenna raceway, as applicable.
- LMR195 antenna cable routed to radio transceiver location in Carlon Carflex ENT conduit.
- 12Vdc power routed to radio transceiver location.

2 - Magnetic microphone holder. Magnetic Mic MMSU-1.

### **COMPUTER NETWORK AND EQUIPMENT:**

5 - RJ-45 Cat6 computer network jack with Cat6 cable routed through Carlon Flex-Plus ENT conduit or raceway.

1 - Certified 18" Cat6 patch cords as required.

1 - Certified 36" Cat6 patch cords as required.

1 - Cable Certification Report confirming that network wiring complies with CAT6 specifications. Certification report to be generated using Agilent Technologies WireScope 350 (or equivalent). Report must include the cable length for each CAT6 cable in the vehicle and must indicate that each cable passes the following test:

- Attenuation (dB)
- PowerSum NEXT (dB)
- Return Loss (dB)

- PowerSum ELFEXT (dB)

Include a sample cable certification report with response - no exceptions.

1 - NETGEAR 8-Port Gigabit Ethernet Unmanaged Switch, 120W PoE/PoE. Product features:

- Eight 10/100/1000 (PoE+), half/full duplex, switched ports, PoE Budget 123 watt
- Forwards and filters packets at non-blocking, full wire speed
- All ports have auto speed negotiation and auto MDI/MDI-X crossover detection
- Desktop, Rack-mountable, Wall-mountable

1 - Cradlepoint E3000 cellular router with single modem and roof mounted Centurion Nxt Quad LTE antenna.

1 - Wiring provisions for BPD to install second modem for Cradlepoint mobile router. Includes two antennas and antenna cabling to router location.

**MISCELLANEOUS ELECTRONICS:**

1 - Garmin dēzl™ 780 LMT-S. Portable navigator with 7" screen for truckers — includes free lifetime map and traffic updates

Product features

- 7.0-inch diagonal touchscreen display
- Accepts spoken commands and voice address entry
- Truck-Specific Routing - Customizable truck-preferred routes based on height, weight, length, width and hazardous materials
- Bluetooth for making and receiving hands-free calls with your compatible cell phone

1 - Franklin Instruments #FD254-I00-0P4 clock with 2.5" LED display and 12 hour or 24 hour modes.

1 - Cast Products EB00013-1 (or current model) cast aluminum box with key lock. The rear of the box will be removed to allow cables to be passed into the vehicle.

1 - Shroud with weatherproof pass-through hatch installed in the door of the input box.

**EXTERIOR STORAGE COMPARTMENTS:**

1 - Single door underbody storage compartment with approximate interior dimensions up to 22" high x up to 60" wide x 25" deep constructed from 0.125" aluminum with all welded seams.

Street side compartment.

1 - Single door underbody storage compartment with approximate interior dimensions of 29" high x up to 60" wide x 25" deep constructed from 0.125" aluminum with all welded seams. With one (1) adjustable aluminum box pan shelf.

Rear curb side compartment

3 - Roll up door storage compartment constructed from 0.1875 " aluminum with all welded seams.

One (1) curb side, approximate interior dimensions up to 53" high x up to 36" wide x 25" deep. With two (2) adjustable aluminum box pan shelves.

One (1) curb side, approximate interior dimensions up to 90" high x up to 60" wide x 25" deep. With three (3) adjustable aluminum box pan shelves.

One (1) curb, approximate interior dimensions up to 39" high x up to 48" wide x 25" deep. 2" lip at base of compartment. With one (1) adjustable aluminum box pan shelf.

1 - Compartments constructed to the following specifications:

- Sweep out type bottoms with 1/2" drain holes.
- 2" box pan doors and door frames fabricated from 0.125" aluminum.
- Door frames shall be riveted to the body and welded to the compartments.
- Compartments shall have an LED light that illuminates when the door is opened.

Compartment doors will be constructed to the following specifications:

- Stainless steel hinges attached with stainless machine screws.
- Slam latches and flush mounted handles.
- 0.100" bright polished aluminum diamond plate on interior surfaces fastened with stainless hardware.
- All doors shall be sealed with industrial grade neoprene gasket.

1 - Lockable rooftop storage box. Single door weathertight storage box with cam latches and gas lift springs constructed from 0.125" aluminum treadplate with all welded seams. Mounted on aluminum hat channel(s). Approximate dimensions 90"L X 24"W X 13"H.

1 - Custom underbody pull-out platform/step fabricated from embossed 0.125" aluminum tread plate, on aluminum slides that lock in the in and out position, 700lb capacity, 70% extension, enclosed in an aluminum housing.

1 - 48" wide X 72" high aluminum roll up door, painted to match body. Includes:

- Electric open and close
- Electric Lock with manual lock 2-sided Key
- Sill Plate
- Pull strap
- Door Ajar Switch
- Painted Trim.

**NOTE:**

Open/Close button will be on the automation system touchscreen.

3 - Exterior aluminum roll up door, painted to match body. Includes:



- Manual Lock with 2-sided Key
- Sill Plate
- Pull strap (as required)
- Door Ajar Switch (dash indicator light not included)
- Painted Trim

6 - LED roll up door strip light with door activated switch.

**MISCELLANEOUS OTHER:**

1 - Girard Nova motorized retractable lateral arm awning. Features:

- Dual-pitch awning with up to three lateral arms for superior strength,
- AC electric powered motor with crank handle/manual override
- Sensor that will retract the awning to prevent damage from the wind
- 2-year Limited Warranty

1 - Awning to automatically retract when AUTO SHUTDOWN mode of vehicle automation system is activated – no exceptions.

1 - Custom fabricated aluminum assist handrail. Located on roof.

1 - Welded aluminum tube brush guards installed for mast camera, roof top AC units and corner of awning support box and light tower.

1 - Heavy-duty Quadra Mfg. Bigfoot© four point fully automatic one-touch leveling system. Includes:

- Four (4) QEII-26 jacks with 17,000-lb. capacity each, 26" long with 20" stroke
- Air ride dump valve
- Fully automatic control panel with manual feature
- Safety interlock when jacks are deployed
- Leveling system to be controlled through vehicle automation system touchscreen - no exceptions.
- Interlock through the vehicle automation system to prevent moving the vehicle with jacks deployed. Vehicle automation system to give audible and visual alert if ignition is turn to on position - no exceptions.

1 - Set of four (4) Super Dolly Pads high density polypropylene, injection molded yellow colored for use with leveling system jacks. Pads measure 15" x 17" x 1" thick with a grab strap on one side.

2 - 5 pound dry chemical fire extinguisher.

2 - Battery powered combination Carbon Monoxide and Smoke alarm.

2 - Armag ATF Spec Steel Day Box. 18"W x 24"D x 24"H Type 3 Class ABC, Door will open out from the 18" width. (ID 16" x 22" x 23"). Day boxes will be constructed of 11-gauge steel exterior with 3/4" plywood on all

sides. Approximate weight per unit: 190 lbs. Includes ATF compliant padlock 7/16" shackle diameter with 1-1/16" clearance. The lock has a 5 pin tumbler.

1 - Complete manual set, including the following loaded on USB flash drive:

- As-built specifications with interior and exterior drawings as used for production of the vehicle.
- Chassis and body owner's manuals.
- 12Vdc and 120Vac legends showing wire gauge, color, number and function.
- 12Vdc high current wiring diagram illustrating the battery system, isolators, power converters, alternator, disconnect switches and control panels.
- Roof top antenna placement drawing and legend identifying antenna placements and termination points.
- Audio/Video cabling diagram.
- Warranty and Return Authorization procedures.
- Chassis and generator maintenance and service logs.
- Battery maintenance information.
- All individual component manuals and warranty registration cards as provided by component manufacturers.

1 - Eight (8) hours of orientation on manufacturer installed systems at manufacturers facility.

Includes:

- Vehicle automation system operation
- Generator start up and shut down procedure
- Stabilizer system operation
- AC and DC electrical systems operation
- HVAC systems operation
- Mast operation
- Audio/Video system operation
- Awning operation

1 - Conversion warranty covering 1 year or 12,000 miles for manufacturer's defects in materials and workmanship. Provide copy of warranty certificate with response – no exceptions.

**COST SHEET**

Description	Total
(1) Bomb Squad EOD Vehicle	

\*Please don't include tax in the above totals

Notes


**Bid must be signed to be considered.**

The undersigned hereby offers to furnish and deliver the articles or services as specified, at the prices and terms stated herein, and in strict accordance with the specifications and general conditions of bidding, all of which are made a part of the offer. This offer is not subject to withdrawal unless upon mutual written agreement by the Bidder and County Judge.

1. I, as an officer of this organization, or per the attached letter of authorization, am duly authorized to certify the information provided herein are accurate and true; and
2. My organization shall comply with all State and Federal Equal Opportunity and Non-Discrimination requirements and conditions of employment.

Date: \_\_\_\_\_

Original  
Signature: X \_\_\_\_\_

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

\*Please submit (1) original bid and (1) one copy (CD or USB flash drive).