

BID NO.PUR-1385
INVITATION TO BID
ISSUED ON BEHALF OF
THE BOARD OF COUNTY COMMISSIONERS
OF WASHINGTON COUNTY, MARYLAND
BY
THE WASHINGTON COUNTY PURCHASING DEPARTMENT
100 WEST WASHINGTON STREET, ROOM 3200
HAGERSTOWN, MD 21740
PHONE: 240-313-2330
FAX: 240-313-2331

DATE ISSUED: March 5, 2018

ONE (1) NEW 2018 OR LATEST
PRODUCTION MODEL HAZMAT UNIT

**PRE-BID CONFERENCE DATE/
TIME AND LOCATION:**

Monday, March 12, 2018 at 11:00 A.M. (EDST)
Washington County Administration Complex
Conference Room 2001
Second Floor, 100 West Washington Street
Hagerstown, MD 21740

SUBMIT BIDS TO:

Washington County Purchasing Department
Washington County Administration Complex
100 West Washington Street
Third Floor, Room 3200
Hagerstown, MD 21740-4748

**BID SUBMISSION DEADLINE
AND BID OPENING TIME:
BID OPENING LOCATION:**

No later than **2:00 P.M. (EDST), Wednesday, April 4, 2018**
Washington County Administration Complex
Conference Room 3000
Third Floor, 100 West Washington Street
Hagerstown, MD 21740

If indicated below (✓) and not waived by the County, Bidders shall be required to provide the following:

- ✓ A Bid Bond, in the amount of five (5%) percent of the bid on a bid of \$100,000 or more for construction contracts and on a bid of \$50,000 or more for contracts for services, supplies, or construction related services. See "Bid Bonds – Section 2" of the General Conditions and Instructions to Bidders.
- ✓ A Performance Bond for a bid award of \$100,000 or more on construction contracts and on contracts for services, supplies, or construction related services. See "Bid Bonds – Section 2" of the General Conditions and Instructions to Bidders.
- ✓ A Labor and Material Bond for a bid award of \$100,000 or more on construction contracts and on contracts for services, supplies, or construction related services. See "Bid Bonds – Section 2" of the General Conditions and Instructions to Bidders.

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**PURCHASING DEPARTMENT
DIVISION OF BUDGET & FINANCE**

100 West Washington Street, Room 3200 | Hagerstown, MD 21740-4748 | P: 240.313.2330 | F: 240.313.2331
www.washco-md.net

**PUR-1385
INVITATION TO BID
ONE (1) NEW 2018 OR LATEST
PRODUCTION MODEL HAZMAT UNIT**

The Board of County Commissioners of Washington County, Maryland will accept sealed bids for **One (1) New 2018 or Latest Production Model Hazmat Unit**. Bid documents are available immediately from the Washington County web page: www.washco-md.net by accessing “Divisions & Departments / Purchasing Department / Open Bid Invitations” or they may be obtained in the Washington County Purchasing Department, Washington County Administration Complex, 100 West Washington Street, Third Floor, Room 3200, Hagerstown, MD 21740. **Direct all inquiries to Rick Curry, CPPO - Director of Purchasing at telephone 240-313-2330 or fax 240-313-2331.**

All bids must be enclosed in a sealed opaque envelope marked “**SEALED BID – (PUR-1385) ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HEAVY DUTY HAZMAT UNIT**” and be received and time stamped by the Washington County Purchasing Department, Washington County Administration Complex, 100 West Washington Street, Third Floor, Room 3200, Hagerstown, Maryland, 21740, no later than **2:00 P.M. (EDST), Wednesday, April 4, 2018** after which time they will be publicly opened in the third floor Conference Room #3000 in the same building mentioned above. All interested parties are invited to be present.

A Pre-Bid Conference will be held on **Monday, March 12, 2018 at 11:00 A.M. (EDST)** in the Washington County Administration Complex, Second Floor Conference Room 2001, 100 West Washington Street, Hagerstown, Maryland. All interested bidders are requested to be present. Attendance is not mandatory but is strongly encouraged.

NOTE: All Bidders must enter the Washington County Administration Complex through either the front door at the 100 West Washington Street entrance or through the rear entrance (w/blue canopy roof) which is handicap accessible, and must use the elevator to access the Purchasing Department to submit their proposal and/or to attend the Pre-Proposal Conference. Alternate routes are controlled by a door access system. Washington County Government has announced new security protocols being implemented at the Washington County Administration Complex at 100 West Washington Street, Hagerstown. The new measures took effect Tuesday, February 14, 2017. The general public will be subject to wand search and will be required to remove any unauthorized items from the building prior to entry. Prohibited items include, but are not limited to: Weapons of any type; Firearms, ammunition and explosive devices; Cutting instruments of any type - including knives, scissors, box cutters, work tools, knitting needles, or anything with a cutting edge, etc.; Pepper spray, mace or any other chemical defense sprays; and Illegal substances.

Invitation to Bid

PUR-1385

One (1) New 2018 or Latest Production Model Hazmat Unit

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Washington County shall make positive efforts to utilize Disadvantaged Business Enterprises for its supplies and services and shall allow these sources to maximum feasible opportunity to compete for contracts. The Board of County Commissioners does not discriminate on the basis of race, color, national origin, sex, religion, age and disability in employment or the provision of services. Individuals requiring special accommodations are requested to contact the undersigned at 240-313-2330 Voice, TTY Dial 711 to make arrangements no later than five (5) calendar days prior to the Pre-Bid Conference and/or Bid Opening.

The Board of County Commissioners of Washington County, Maryland, reserves the right to accept or reject any or all bids and to waive formalities, informalities and technicalities therein. The Board reserves the right to contact a Bidder for clarifications and may, at its sole discretion, allow a Bidder to correct any and all formalities, informalities and technicalities in the best interest of Washington County.

By Authority of:



Rick Curry, CPPO
Director of Purchasing

BOARD OF COUNTY COMMISSIONERS
OF WASHINGTON COUNTY, MARYLAND

GENERAL CONDITIONS AND INSTRUCTIONS TO BIDDERS
Supply and Service Contracts

INTRODUCTION

The general rules and conditions which follow, along with all other documents consisting of this "Bid Document," apply to all purchases and become a definite part of each formal invitation to bid, purchase order, contract, or other award issued by the Washington County's Director of Purchasing (hereinafter "Director of Purchasing"), unless otherwise specified. Bidders or their authorized representatives are expected to fully inform themselves as to the conditions, requirements, and specifications before submitting bids; failure to do so will be at the Bidder's own risk and they cannot secure relief on the plea of error. Bidders are advised that all costs related to preparing and/or submitting a Bid or Proposal shall be borne by the Bidder.

Satisfactory evidence of authority to bind the firm by the person signing the Bid when submitted by partnerships or corporations may be requested by the County prior to making any award. Anyone signing a Bid as an agent shall include evidence of his/her authority to do so.

Subject to Maryland State and Washington County, Maryland (hereinafter "County") laws and all rules, regulations and limitations imposed by legislation of the Federal Government, bids on all advertisements and invitations issued by the Washington County Purchasing Department shall bind bidders to applicable conditions and requirements set forth herein unless otherwise specified in the Invitation to Bid. Should there be a conflict in laws between states, State of Maryland law shall prevail.

Should there be a conflict between the general bid conditions and the supplemental bid conditions (if any), the supplemental bid conditions shall prevail.

GENERAL CONDITIONS OF BIDDING

- 1. Bids Binding for Ninety (90) Days:** Unless otherwise specified all formal bids submitted shall be binding for ninety (90) calendar days following bid opening date, unless the bidder, upon request of the Director of Purchasing, agrees to an extension.
- 2. Bids for All or Part:** Unless otherwise specified by the County or by the Bidder, the County reserves the right to make award on all items, or on any of the items according to the best interests of the County. Bidder may restrict his/her bid to consideration in the aggregate by so stating, but should name a unit price on each item bid upon; any bid in which the bidder names a total price for all the articles without quoting a price on each and every separate item, may be rejected at the option of the County.
- 3. Catalogs:** Each Bidder shall submit where necessary or when requested by the Director of Purchasing, catalogs, descriptive literature, and detailed drawings, fully detailing features, designs, construction, finishes and the like necessary to fully describe the materials or work they propose to furnish.

4. **Collusive Bidding:** The Bidder certifies that his/her bid is made without any previous understanding, agreement or connection with any person firm, or corporation making a bid for the same project, without unlawful prior knowledge of competitive prices, and is in all respects fair, without outside control, collusion, fraud or otherwise illegal action.
5. **Competency of Bidder:** No proposal shall be accepted from or contract awarded to any person, firm or corporation that is in arrears or is in default to Washington County upon any debt or contract, or that is a defaulter, as surety or otherwise, upon any obligation to said County, or had failed to perform faithfully any previous contract with the County. The Bidder, if requested, must present within forty-eight (48) hours evidence satisfactory to the Director of Purchasing of performance ability and possession of necessary facilities, pecuniary resources and adequate insurance to comply with the terms of these specifications and contract documents.

The successful Bidder shall actively cooperate in all matters pertaining to the proper compliance of this contract and shall come to the office of the Director of Purchasing whenever requested in connection with the performance of this contract.

The successful Bidder shall inform the Director of Purchasing of any and all circumstances which may impede the progress of the work or inhibit the performance of the contract including, but not limited to: bankruptcy, dissolution or liquidation, merger, sale of business, assignment, etc.

The County may examine the Bidder's and any first-tier subcontractor's records to determine and verify compliance with the contract. The Bidder and any first-tier subcontractor must grant the County access to these records at all reasonable times during the contract term and for three (3) years after final payment. If the contract is supported to any extent by Federal or State funds, the appropriate Federal or State authorities may also examine these records. The Bidder must include the preceding language of this paragraph in all first-time subcontracts.

6. **Completeness:** All information required by Invitation to Bid must be supplied to constitute a proper bid. The County shall not be responsible for the premature opening of Bids if not properly addressed or identified.
7. **Conditional Bids:** Qualified bids are subject to rejection in whole or in part.
8. **Confidentiality:** Firms shall give specific attention to the identification of those portions of their proposals that they deem to be confidential, proprietary information or trade secrets and provide any justification why such materials, upon request, should not be disclosed by the County under the Access to Public Records Act, State Government Article, Title 10, Sections 10-611 to 10-628, Annotated Code of Maryland.
9. **Errors in Bids:** When an error is made in extending total prices, the written unit bid price shall govern. In the absence of written prices, the unit bid price shall govern. Carelessness in quoting prices, or in preparation of bid, otherwise, will not relieve the Bidder. *Erasures or changes in bids must be initialed.*

10. General Guaranty: Bidder agrees to:

- a. Save the County, its agents and employees harmless from liability of any nature or kind for the use of any copyrighted or uncopyrighted composition, secret process, patented or unpatented, invention, article or appliance furnished or used in the performance of the contract which the Bidder is not the patentee, assignee, licensee or owner.
- b. Protect the County against latent defective material or workmanship and to repair or replace any damages or marring occasioned in transit or delivery.
- c. Furnish adequate protection against damage to all work and to repair damages of any kind, to the building or equipment, to their own work or to the work of other contractors, for which their worker is responsible due to the negligence in the course and scope of the employment.
- d. Pay for all permits, licenses and fees and give all notices and comply with all laws, ordinances, rules and regulations of the County and State of Maryland.

11. Illegal Immigrants:

- a. The Bidder shall comply with the Immigration and Nationality Act (INA) which includes provisions addressing employment eligibility, employment verification, and nondiscrimination. Under the INA, the Bidder may hire only persons who may legally work in the United States (i.e., citizens and nationals of the U.S.) and aliens authorized to work in the U.S. The Bidder shall verify the identity and employment eligibility of anyone employed or to be employed, including completion of the Employment Eligibility Verification Form (I-9). The Bidder shall establish appropriate procedures and controls to insure that no services under this Contract will be performed by any worker who is not legally eligible to perform such services or for employment.
- b. Failure by the Bidder or his/her Sub-Contractors to comply with the provisions of Section 11.a. herein will be grounds for termination of the Contract.

12. Insurance: Liability insurance on all major divisions of coverage for each and every Bidder and subcontractor shall be required for the length of the contract. Bidder and subcontractor must supply evidence of insurance upon request. Each Bidder agrees to assist in every manner possible in the reporting and investigation of any accident, and upon request, agrees to cooperate with all interested insurance carriers in the handling of any claims by securing and giving evidence and obtaining the attendance of witnesses as required for any claim or suit. The Bidder shall be prepared to show evidence of insurance as required under Washington County's *Insurance Requirements for Independent Contractors Policy*, included herein, prior to the execution of any contract. The Bidder, if requested, shall provide the Certificate of Insurance to the Purchasing Department within ten (10) calendar days after receiving a request for it. Failure to provide an acceptable Certificate of Insurance within the time frame stated above shall be cause to terminate the contract(s). The certificate shall state that such insurance is in force and cannot be cancelled or released except upon thirty (30) days prior written notice to the County. If any of the stated coverages expire during the term of this contract, the Bidder shall deliver renewal certificates to the County at least ten (10) calendar days prior to the expiration.

13. **Interpretations, Discrepancies, Omissions:** Should any Bidder find discrepancies in, or omissions from the documents or be in doubt of their meaning, he/she should at once request, in writing, an interpretation from:

Rick Curry, CPPO – Director of Purchasing
Washington County Purchasing Department
Washington County Administration Complex
100 West Washington Street, Room 3200
Hagerstown, MD 21740

FAX: 240-313-2331; or

send questions in MicroSoft Word platform via e-mail to:

purchasingquestions@washco-md.net

All necessary interpretations will be issued to all Bidders in the form of addenda to the specifications, and such addenda shall become part of the contract documents. Exceptions as taken in no way obligates the County to change the specifications. Failure of any Bidder to receive any such addendum or interpretation shall not relieve such Bidder from any obligation under his/her bid as submitted. The County shall assume no responsibility for oral instructions or suggestions. ORAL ANSWERS WILL NOT BE BINDING ON THE COUNTY. Requests received after 4:00 P.M. on the date included in the Supplemental Terms and Conditions may not be considered.

14. **Landfill Tipping Fees:** Disposal of items shall be at an approved sanitary landfill and any fees for same must be included in the Bidder's proposal.
15. **Late Bids:** Formal bids or amendments thereto received by the County after the time specified for bid opening will not be considered. Bids received after the time specified for bid opening will be returned unopened.
16. **Mailing of Bids:** The County assumes no responsibility for the timely deliverance of mailed bids. Ample time should be allowed for the transmittal of bids by mail, and postmarks indicating the date of mailing will not be considered as evidence of intent to submit bids in proper time for the opening.
17. **Maryland Buy American Steel Act:** In accordance with the Annotated Code of Maryland -State Finance and Procurement Article, Sections 17-301 – 17-306, Washington County is defined as a Public Body and as such shall require a Bidder or subcontractor to use or supply only American Steel products in the performance of a contract as stated in the above referenced Sections.
18. **Multiple Bids:** No Bidder shall be allowed to offer more than one (1) price on each item even though he/she may feel that there are two (2) or more types or styles that will meet specifications. Bidders must determine for themselves which to offer. If said Bidder should submit more than one (1) price on any item, all prices for that item may be rejected at the discretion of the Director of Purchasing.

19. **Officers Not to Benefit:** No member of the elected governing body of Washington County, or members of his or her immediate family, including spouse, parents, or children, or any person representing, or purporting to represent any member or members of the elected governing body shall receive or be promised directly or indirectly, any financial benefit, by way of fee, political contribution, or any other similar form of remuneration and/or on the account of awarding and/or executing the contract and that upon request of the County, as a prerequisite to payment pursuant to the terms of this contract, there will be furnished to the requester, under oath, answers to any interrogatories related to a possible conflict of interest as herein embodied. The Bidder, to the best of his/her knowledge, whether he/she be an officer, director, partner or any of its employees directly involved in obtaining contracts with the State, or any County or other subdivision of the State, has not been convicted of bribery or conspiracy to bribe under the laws of any State or Federal Government. Any contract made or entered into where it is discovered that violation of the intent of this provision exists shall be declared null and void and all monies received by the Bidder shall be returned to the County.
20. **Payment Terms:** Bid prices are to be net thirty (30) calendar days; all discounts are to be deducted and reflected in net prices. Term discounts of less than twenty (20) calendar days will not be considered in connection with any prompt payment discount offered; time will be computed from date of receipt of correct invoice or receipt and acceptance of shipment, whichever is later.
21. **Procurement Policy Manual:** This bid is administered according to Washington County's Procurement Policy Manual adopted by the Board of County Commissioners of Washington County, Maryland on June 25, 2013 and effective July 1, 2013. The contents of the aforementioned Manual may be requested from the Washington County Purchasing Department at 240-313-2330 or may be found on the web site at: <http://www2.washco-md.net/purchasing/pdf/ProcurementPolicy.pdf>
22. **Proposal Forms:** Bids shall be submitted only on the forms provided by the County. The Bidder shall submit one (1) original bid on the forms provided with original signature, sealed to the County for that purpose. All bids must be enclosed in a sealed, opaque envelope marked with the title of the bid and be received in the Washington County Purchasing Department promptly on or before, time, date, and place stipulated on the Invitation to Bid. **NO** bids received after such stipulated time and date will be considered by the County. ***Facsimile Bids will not be accepted.***
23. **Registration with Maryland Department of Assessments and Taxation:** Prior to contracting, private corporations must either be incorporated in the State of Maryland or registered with the Maryland Department of Assessments and Taxation as a foreign corporation, and must be in good standing. Proof of such standing is required prior to the start of the contracting process and shall remain in good standing during the contract period. The website for the State Department of Assessments and Taxation is: <http://dat.maryland.gov/Pages/sdatforms.aspx#BNE> and the phone numbers for the State Department of Assessments and taxation are: **(410) 767-1340** or **(888) 246-5941**.
24. **Reservations:** The County or its authorized agent reserves the right to reject any or all bids and to waive any informality or deficiency in bids received whenever such rejection or waiver is in the best interest of the County. The County also reserves the right to reject the bid of a Bidder who has previously failed to perform properly or complete on time contracts of a similar nature, or the Bid of a Bidder who investigation shows is not in a position to perform the contract. The County

reserves the right to waive minor differences in specifications provided these differences do not violate the specifications intent nor affect the operation for which the items are being purchased, nor increase estimated maintenance and repair cost to the County. The County reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination as shall, in its judgment, be in the best interest of the County.

25. **Response to Invitation:** In the event you cannot submit a bid on our requirements, as set forth in the "Invitation to Bid", please return the Bid with an explanation as to why you are unable to bid on these requirements. Because of the large number of firms listed on the County's lists of Bidders, it is necessary to delete from these lists the names of those persons, firms or corporations who fail to respond after having been invited to bid on a commodity or commodities for three (3) successive bid openings.
26. **Substitutions:** All equipment is to be supplied in exact accordance with the specifications. Any Bidder who contemplates offering a product that differs from that specified must obtain the County's written approval prior to bid opening. Substitution requests must be received in the Purchasing Department no later than the date/time specified in the Supplemental Terms and Conditions. Requests received after the specified date/time will not be considered. All such decisions will be considered final and not subject to further recourse.
27. **Taxes-Responsibility for Payment, Exemptions, Forms to be Filed, etc.:**
 - a. The County is exempt from State of Maryland Sales Tax. The County's Maryland Sales Tax Exemption Number is 3000129 2. However, the Bidder is responsible for making any necessary inquiries and investigations with regulating state agencies to obtain a determination of tax exemptions in his/her bid.
 - b. The Bidder is responsible for and by submitting a Bid agrees to pay all retail sales, income, real estate, sales and use, transportation and special taxes applicable to and assessable against any materials, equipment, processes and operations incident to or involved in the Project. The Bidder is responsible for ascertaining and acquainting his/herself with such taxes and making all necessary arrangements to pay same.
 - c. The Successful Bidder shall complete a W-9 Vendor Information form (provided by the County) and return it to the Director of Purchasing.
 - d. The County hereby reserves the right to withhold payment under this Contract until the Bidder and any subcontractor performing any duties under this Contract have furnished or caused to be furnished the Comptroller of the State of Maryland with all properly completed forms required by the said Comptroller and until all of said retail sales and/or use taxes due the State of Maryland by the Bidder have been paid and the Bidder exhibits a release or receipt from the Comptroller evidencing such payment.
 - e. The Bidder is hereby advised of Section 1-106(b)(3) of the Code of Public Local Laws of Washington County, MD: "If a bidder has not paid all taxes owed to the County or a municipal corporation in the County, the County Commissioners may reject the bidder's bid."

28. **Withdrawal of Bids:** A written request for the withdrawal of a bid or any part thereof may be granted if the request is received by the County prior to the specified time of opening.

BID BONDS

1. **Bid Deposit - Bid Bond, Certified or Cashier's Check:** When required, each bid shall be accompanied by a bid bond signed by a surety company licensed to do business in the State of Maryland, or by a cashier's check, certified check or Treasurer's check drawn on a responsible bank doing business in the United States in the amount of five (5%) percent of the total Bid and shall be made payable to the Board of County Commissioners of Washington County, Maryland. When computing the amount of Bid for Check purposes, DO NOT deduct for trade-ins. U.S. Postal Money Orders are acceptable in lieu of checks.
2. **Performance/Labor and Material Bonds:** The successful Bidder(s) on this bid must furnish the required bonds as indicated on the bid cover, made out to the Board of County Commissioners of Washington County, Maryland, prepared on forms contained herein, or in his/her absence, on an approved form, as security for the faithful performance of his/her contract, within ten (10) calendar days of his/her notification that his/her bid has been accepted. The surety thereon must be such surety company or companies as are authorized and licensed to transact business in the State of Maryland. Attorneys in fact who sign bonds must file with each bond a certified copy of his/her power of attorney to sign bonds. The successful Bidder or Bidders upon failure or refusal to furnish within ten (10) calendar days after his/her notification the required bonds shall forfeit to the County, as liquidated damages his/her bid deposit. The Performance Bond shall be in the amount of one hundred (100%) percent of the contract price covering faithful performance of the contract; and the Labor and Materials Payment Bond shall be in the amount of one hundred (100%) percent of the contract price as security for payment of all persons performing labor and furnishing materials in connection therewith.

SPECIFICATIONS REFERENCES

1. **Formal Specifications:** The Bidder shall abide by and comply with the true intent of the specifications and not take advantage of any unintentional error or omission, but shall fully complete every part as the true intent and meaning of the specifications and drawings. Whenever mention is made herein, of any article, material, or workmanship to be in accordance with laws, ordinances, building codes, underwriter's codes, A.S.T.M. regulations or similar expressions, the requirements of these laws, ordinances, etc., shall be construed to meet or exceed specification requirements and current established noise levels for specific equipment, materials, and/or services being furnished under this contract. All deviations from the specifications must be noted in detail by the Bidder, in writing, at the time of submittal of the formal bid. The absence of a written list of specification deviations at the time of submittal of the bid will hold the Bidder strictly accountable to the County to the specifications as written. Any deviation from the specifications as written not previously submitted, as required by the above, will be grounds for rejection of the material and/or equipment when delivered.

2. **Samples:** The Purchasing Department reserves the right to retain or destroy the samples submitted for the purpose of evaluation and will be free from any redress or claim on the part of the Bidder if any samples are lost or destroyed. Bidders shall make all arrangements for delivery of samples to the place designated, as well as the removal of samples. Cost of delivery and removal of samples shall be borne by the Bidder. Upon notification by the Purchasing Department that a sample is available for pickup, it shall be removed within thirty (30) calendar days at the Bidder's expense or the Director of Purchasing shall dispose of same at his/her discretion. All sample packages shall be marked "Sample for Purchasing Department" and each sample shall bear the name of the Bidder, item number, bid number, and shall be carefully tagged or marked in a substantial manner. Failure of the Bidder to clearly identify samples as indicated may be considered sufficient reason for rejection of bid.

3. **Trade Names/Substitutions:** In cases where an item is identified by a manufacturer's name, trade name, catalog number, or reference it is understood that the Bidder proposes to furnish the item so identified and does not propose to furnish an "equal/substitution" unless submission of an "equal/substitution" is stated otherwise as permissible. Any Bidder who contemplates offering a product that differs from that specified must obtain the County's written approval by submission of his/her request no later than the deadline for receipt of substitution requests as stated in the Supplemental Terms and Conditions. The reference to the above catalog is intended to be descriptive but not restrictive and only to indicate to the prospective Bidder articles that will be satisfactory. Bids on makes and catalogs will be considered, provided each Bidder clearly states on the face of his/her proposal exactly what he/she proposes to furnish, and forwards with his/her bid, a cut, illustration, or other descriptive matter which will clearly indicate the character of the article covered by his/her bid. The Director of Purchasing hereby reserves the right to approve as an equal, or to reject as not being an equal, any article the Bidder proposes to furnish which contains major or minor variations from specification requirements but may comply substantially therewith. If no particular brand, model, or make is specified, and if no data are required to be submitted with the bid, and after award and before manufacture or shipment, the successful Bidder may be required to submit working drawings or detailed descriptive data sufficient to enable the Director of Purchasing to judge if each requirement of the specifications is being complied with.

AWARD

1. **Award or Rejection of Bids:** For contracts of purchase, the contract shall be awarded to the lowest, responsive and responsible Bidder complying with all the provisions of the Invitation, provided the bid price is reasonable and it is to the best interest of the County to accept it. For contracts of sale, the contract shall be awarded to the highest, responsive and responsible Bidder complying with all the provisions of the Invitation, provided the bid price is to the best interest of the County to accept it.

2. **Notice of Award:** A written award (or Acceptance of Bid) mailed (or otherwise furnished) to the successful Bidder within the time for acceptance as specified herein shall be deemed to result in a binding contract without further action by either party. The bid with respect to all items accepted and all papers accompanying the same, the general conditions and instructions to Bidders, the specifications, and other papers and documents referred to in any of the foregoing shall constitute the formal contract, unless otherwise specified, between the Bidder and the County.

3. **Political Contribution Disclosure:** In accordance with Maryland Code, State Finance and Procurement Article, §17-402, the Bidder shall comply with Maryland Code, Election Law Article, Title 14, which requires that every person that enters into contracts, leases, or other agreements with the State, a county, or any incorporated municipality, or their agencies during a calendar year in which the person receives in the aggregate \$100,000 or more, shall file with the State Administrative Board of Election Laws a statement disclosing contributions in excess of \$500 made during the reporting period to a candidate for elective office in any primary or general election. The statement shall be filed with the State Administrative Board of Election Laws: (1) before a purchase or execution of a lease or contract by the State, a county, an incorporated municipality or their agencies, and shall cover the preceding two (2) calendar years; and (2) if the contribution is made after the execution of a lease or contract, then twice a year, throughout the contract term, on: (a) February 5, to cover the 6-month period ending January 31; and (b) August 5, to cover the 6-month period ending July 31.
4. **“Requirements” Contract Bid Quantities:** On “Requirements” bids, acceptance shall bind the County to pay for, at unit bid prices, only quantities ordered and satisfactorily delivered. All stated quantities are estimated requirements and do not constitute a minimum or maximum.
5. **Responsibility/Qualifications of Bidder:** The County may make such investigations as it deems necessary to determine the ability of the Bidder to perform the work, and the Bidder shall furnish to the County all such information and data for this purpose as the County may request. The County reserves the right to reject any bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the County that such Bidder is properly qualified to carry out the obligation of the contract and to complete the work contemplated therein. Conditional bids will not be accepted. In determining responsibility, the following qualifications, in addition to price, shall be considered by the Director of Purchasing on contracts of purchase and on contracts of sale (if applicable):
 - a. The ability, capacity and skill of the Bidder to perform the service required.
 - b. The character, integrity, reputation, judgment, experience and efficiency of the Bidder.
 - c. The quality of performance of previous contracts or services.
 - d. The Bidder’s previous and present compliance with laws and ordinances relating to the contract or service.
 - e. The sufficiency of the financial resources and ability of the Bidder to perform the contract or provide the service.
 - f. The quality, availability and adaptability of the supplies, or services, to the particular use required.
 - g. The ability of the Bidder to provide future maintenance and service for the use of the subject of the contract.
 - h. Whether the Bidder is in arrears to the County on a debt or contract or is a defaulter on surety to the County.

- i. Such other information as may be secured having a bearing on the decision to make the award.

In determining a Bidder's responsiveness, the Director of Purchasing shall consider material deviations from the advertised specifications which materially affect price, quantity, quality or limit the Bidder's liability.

6. **Specific Bid Quantities:** Where quantities are specifically stated, acceptance will bind the County to order quantities specified and to pay for, at contract prices, all such supplies or services delivered that meet specifications and conditions of the contract. However, the County will not be required to accept delivery of any balances unordered, as of the contract expiration date; unless Bidder furnishes the Director of Purchasing with a statement of unordered balances not later than ten (10) calendar days after the termination date of the contract.
7. **Tie Bids:** If two (2) or more Bidders shall be tied for the lowest bid on a purchase contract, quality and service being equal, the contract shall be awarded to a local Bidder. If there is no local Bidder, or more than one local Bidder, the County shall award the contract to one (1) of the Bidders by drawing lots in public.

CONTRACT PROVISIONS

1. **Availability of Funds:** A contract shall be deemed executory only to the extent of appropriations available to each County department/agency for the purchase of such articles. The County's extended obligation on those contracts that envision extended funding through successive fiscal periods shall be contingent upon actual appropriations for the succeeding fiscal year.
2. **Contract Alterations:** No alterations or variables in the terms of a contract shall be valid or binding upon the County unless made in writing and signed by the County or its authorized agent.
3. **Default:** The contract may be cancelled or annulled by the County in whole or in part by written notice of default to the Bidder upon non-performance or violation of contract terms. An award may be made to the next low Bidder, or, articles specified may be purchased on the open market similar to those so terminated. In either event, the defaulting Bidder (or their surety) shall be liable to the County for costs to the County in excess of the defaulted contract prices: Provided, that the Bidder shall continue the performance of this contract to the extent not terminated under the provisions of this clause. Failure of the Bidder to deliver materials or services within the time stipulated on his/her bid, unless extended in writing by the Director of Purchasing, shall constitute contract default. In the event that a Bidder exempted from posting a Bid or Performance Guarantee fails to execute and perform any contract awarded to them, they shall forfeit the right to Bid on any future County contract for a period of time determined by the Director of Purchasing and they shall be liable for any costs incurred by the County as a result of his/her default.
4. **Guarantee:** All work, supplies, and/or materials and requirements described in the specifications including any modifications thereto which may be made in accordance with the direction and/or approval of the County Director of Purchasing shall be Guaranteed/Warranted for a period of one (1) year from the date of final acceptance by the County as follows, unless indicated otherwise in this contract:

- a. Against all faulty or imperfect materials and/or equipment and against all imperfect, careless and/or unskilled workmanship.
- b. Against injury or undue deterioration from proper and usual use of the goods and/or services.
- c. Removal and replacement with proper materials, equipment, and/or services and re-execute, correct or repair without cost to the County, any materials, equipment, and/or services found to be improper, imperfect, defective or fails to perform as specified.
- d. Make good all damage caused to other work, materials and/or equipment due to such required removal, replacement and/or re-execution.
- e. Shall comply with any and all guarantee/warranties of whatever nature referred to in other portions of the contract specifications.

Any warranties whether expressed or implied shall not reduce the risk of the seller's/ manufacturer's obligation to the County against latent defect which may be found during the rated life of the supplies and/or materials and requirements described in the specifications including any approved modifications.

5. **Intergovernmental Purchasing:** The following Agencies/Jurisdictions shall be able to purchase, if applicable, directly from contracts resulting from this Invitation to Bid (ITB): Washington County Board of Education and all of its public schools, Hagerstown Community College, Municipalities of Washington County, and public or quasi-public agencies that receive County money and are exempt from taxation under Section 501(c)(3) of the Internal Revenue Code, i.e, Washington County Volunteer Fire and Rescue Companies. While this ITB is prepared on behalf of the County, it is intended to apply for the benefit of the above named agencies/jurisdictions as though they were expressly named throughout the document. Each of these agencies/ jurisdictions may purchase from the successful Bidder under the same terms and conditions of the contract with the County, in accordance with each agencies/jurisdictions respective laws and regulations, or an agency may choose not to procure from the successful Bidder at the agency's sole discretion. If one of the above named agencies/jurisdictions elects to purchase under the contract, the price shall be determined by using unit costs and other pertinent costs provided in the offer. Any special discounts unique to a particular agency/jurisdiction shall be stated. Bidder shall also submit the attached "Provisions for Other Agencies" form, if included in this bid.
6. **New Goods, Fresh Stock:** All contracts, unless otherwise specifically stated, shall produce new commodities, fresh stock, latest model, design or pack.
7. **Non-Discrimination:** No Bidder who is the recipient of County funds or who proposes to perform any work or furnish any goods under this agreement shall discriminate against any worker, employee or applicant or any member of the public because of religion, race, sex, color or national origin, age, marital status, physical or mental handicap, nor otherwise commit an unfair employment practice. Bidder further agrees that this article will be incorporated by Bidder in all contracts entered into with suppliers of materials or services, Bidders and subcontractors and all labor organizations, furnishing skilled, unskilled and craft union skilled labor, or who may perform any such labor or services in connection with this contract.

8. **Non-Liability:** The Bidder shall not be liable in damages for delay in shipment or failure to deliver when such delay or failure is the result of fire, flood, strike, act of God, act of government, act of an alien enemy or by any other circumstances which, in the Director of Purchasing's opinion, is beyond the control of the Bidder. Under the circumstances, however, the County may in its discretion, cancel the contract.
9. **Placing of Orders:** Orders against contracts shall be placed with the Bidder on a Purchase Order executed and released by the Director of Purchasing.
10. **Subletting of Contract:** It is mutually understood and agreed that the Bidder shall not assign, transfer, convey, sublet, or otherwise dispose of their contract or their rights, title or interest therein, or their power to execute such contract, to any other person, firm or corporation, without the previous written consent of the County Director of Purchasing, but in no case shall such consent relieve the Bidder from his/her obligations, or change the terms of the contract.
11. **Termination of Contracts:** Contracts shall remain in force for full periods specified and until all articles ordered before date of termination shall have been satisfactorily delivered and accepted and thereafter until all requirements and conditions shall have been met, unless:
 - a. Terminated prior to expiration date by satisfactory deliveries of entire contract requirements.
 - b. Extended upon written authorization of the Director of Purchasing and accepted by Bidder, to permit ordering of unordered balances or additional quantities at contract prices and in accordance with contract terms.
12. **Termination for Convenience:** The performance of work under this Contract may be terminated by the County in accordance with this clause in whole, or from time to time in part, whenever the County shall determine that such termination is in the best interest of the County. The County shall pay all reasonable expenses associated with this Contract that the Contractor has incurred up to the date of termination, and all reasonable expenses associated with termination of the Contract; provided, however, the Contractor shall not be reimbursed for any anticipatory profits that have not been earned up to the date of termination.

DELIVERY PROVISIONS

1. **Delivery:** Delivery shall be required to the place designated in the specifications or on the proposal form. All prices must be FOB Destination, Inside Delivery. The weight, count, measure, etc. shall be determined at the points of delivery. The Bidder shall be required to furnish proof of delivery in every instance. Bulk materials are to be placed on skids or pallets. No help for unloading shall be provided by the County. Suppliers shall notify their shippers accordingly.
2. **Delivery Failures:** Failure of a Bidder to deliver within the time specified, or within a reasonable time as interpreted by the Director of Purchasing or failure to make replacements of rejected articles when so requested, immediately or as directed by the Director of Purchasing shall constitute authority for the Director of Purchasing to purchase in the open market articles of comparable grade to replace the articles rejected or not delivered. On all such purchases, the

Bidder shall reimburse the County, within a reasonable time specified by the Director of Purchasing, for any expense incurred in excess of contract prices or the County may deduct such amount from monies owed the defaulting Bidder. Such purchases shall be deducted from contract quantities.

3. **Inspections:** Inspection and acceptance of materials or supplies shall be made after delivery. Final inspection shall be conclusive except as regards latent defects, fraud, or such gross mistakes as amount to fraud. Final inspection and acceptance or rejection of the materials or supplies shall be made as promptly as practicable, but failure to inspect and accept or reject materials or supplies shall not impose liability on the County for such materials or supplies as are not in accordance with the specifications. All delivered materials shall be accepted subject to inspection and physical count.
4. **Hazardous Safety Data Sheets:** Any hazardous substances as defined under the Department of Labor Occupational Safety and Health Standard for General Industry (29-CFR-1910.1200) and State of Maryland Law and Regulations on "Access to Information About Hazardous and Toxic Substances", MDSH Article 89, Section 28-49-D, being delivered to Washington County as a result of this Invitation to Bid shall be accompanied by a current "Hazardous Data Safety Sheet" or item may not be accepted.
5. **Packing Slips or Delivery Tickets:** All shipments or deliveries shall be accompanied by Packing Slips or Delivery Tickets, and shall contain the following information for each item delivered. Bidders are cautioned that failure to comply with these conditions shall be considered sufficient reason for refusal to accept the goods.

The Purchase Order Number
The Name of the Article and Stock Number (Supplier's)
The Quantity Ordered
The Quantity Back Ordered
The Name of the Contractor

6. **Responsibility for Materials Shipped:** The Bidder shall be responsible for the materials or supplies covered by this contract until they are delivered at the designated point and the Bidder shall bear all risk on rejected materials or supplies after notice of rejection. Rejected materials or supplies must be removed by and at the expense of the Bidder promptly after notification of rejection, unless public health and safety require immediate destruction or other disposal of rejected delivery. Upon failure of the Bidder to remove materials or supplies within ten (10) calendar days after date of notification, the County may return the rejected materials or supplies to the Bidder at the Bidder's risk and expense, or dispose of them as its own property.
7. **Testing:** The cost of testing a representative sample of an order or shipment for acceptance shall be borne by the County. However, if the order and shipment is rejected for failure to meet the requirements of the specifications or purchase description, the cost of testing shall be charged to the Bidder.
8. **Time of Delivery:** Deliveries shall be accepted between 8:00 A.M. and 3:00 P.M. on weekdays only, unless stated otherwise in the bid document. No deliveries shall be accepted on Saturdays, Sundays or County Holidays, unless otherwise arranged by an individual Department/Agency.

PUR-1385
ONE (1) NEW 2018 OR LATEST
PRODUCTION MODEL HAZMAT UNIT

SUPPLEMENTAL TERMS AND CONDITIONS

Washington County Division of Emergency Services is requesting bids for One (1) 2018 or Latest Production Model Heavy Duty Hazmat Unit. The following paragraphs will describe in detail the apparatus, construction methods, and equipment proposed. The proposal shall indicate size, type, model and make of components parts and equipment, providing proof of compliance with each and every item (except where noted) in the departments specifications.

1. **Award:** The County reserves the right to award the contract on the basis of the responsive, responsible low bidder for the Total Sum Bid Price. When an error is made in extending total prices, the written unit bid price shall govern. Carelessness in quoting prices, or in preparation of bid otherwise, will not relieve the bidder. The County reserves the right to make an award to the firm providing the most advantageous offer or the firm providing the offer determined solely by the County to be in the County's best interest. All prices shall include all costs, including freight and delivery charges.

2. **Brochures, Descriptive Literature, Manuals:**
 - a. Bidders shall furnish two (2) sets of complete descriptive literature and specifications of the equipment upon which the bid is based. The Bidder shall furnish a detailed listing of the components and accessories of the complete unit upon which the bid is based and is to be attached to the Form(s) of Proposal.

 - b. Failure to comply with this requirement shall be ample cause for rejection of the bid proposal.

3. **Certification of Compliance with Specifications:** Bidders shall comply with all conditions, provisions and specifications contained herein and which are hereby made a part of the contract. Bidders shall certify the equipment with its allied and/or accessory equipment; component parts and units will be suitable for the intended usage it was designed for. Furthermore, the Bidder shall specify that the equipment will or will not comply in every respect with this specification. In the event the equipment offered does not fully comply with these specifications, the Bidder shall definitely state *all deviations on his/her bid proposal sheet or an attached sheet.* Where no statement is received, the County will assume the Bidder meets every requirement of these specifications.

4. **Contract Request:** The Washington County Division of Emergency Services desires to procure the necessary equipment for the 'ready to use' One (1) New or Latest Production Model Heavy Duty Hazmat Unit. The vendor shall comply with all of the Contract Conditions, clauses and specifications contained herein for One (1) New 2018 or Latest Production Model Heavy Duty Hazmat Unit are hereby made a part of this contract. All submittals shall meet or exceed the most recent applicable Federal, State and Local codes.

5. **Competition:** To better insure fair competition and to permit determination of lowest Bidder:
- a. The name of the manufacturer, trade name, or manufacturer or vendor catalog number mentioned in the specifications is for the purpose of designating a standard or quality and type and for no other.
 - b. A Bid which demonstrates any omission, irregularity of form, additions not called for, conditional or unconditional bids, or bids obviously unbalanced may be rejected.
 - c. All bids must be accompanied by such descriptive literature as may be called for by the specifications or proposal.
 - d. Specifications provided are based on needs and uses, estimated cost of operation and maintenance, and other significant and/or limiting factors to meet County requirements and be consistent with County policies. Minimum specifications where included, are not established arbitrarily to limit competition or to exclude otherwise competitive Bidders.
6. **Delivery:**
- a. The apparatus will be delivered under their own power to insure proper break-in of all components while the apparatus is still under warranty. A qualified delivery representative shall deliver the apparatus and remain for a sufficient length of time to instruct personnel in proper operation, care and maintenance of the equipment delivered. All equipment shall be delivered F.O.B. Destination – Washington County Division of Emergency Services, 16232 Elliott Parkway, Williamsport, Maryland 21795 and delivery costs and charges included in the price proposal
 - b. Bidders shall state on the Form of Proposal, in the space provided, the completed equipment delivery time(s), based on the number of calendar days, delivery shall be within **three hundred sixty (360) consecutive calendar days** starting from the date the purchase order is received by the successful bidder.
7. **Form of Proposal:** All bids must be submitted on the forms provided.
8. **Inspection and Acceptance:** Inspection and acceptance of the apparatus shall be performed by the Director of the Division of Emergency Services or other County Representative upon completion of the unit.
9. **Interpretations, Discrepancies, Omissions:** Should any Bidder find discrepancies in, or omissions from the documents or be in doubt of their meaning, he/she should at once request, in writing, an interpretation from:

Rick Curry, CPPO – Director of Purchasing
Washington County Purchasing Department
Washington County Administration Complex
100 West Washington Street, Room 3200
Hagerstown, MD 21740
FAX: 240-313-2331; or send questions in Microsoft Word platform via
email to: purchasingquestions@washco-md.net

All necessary interpretations will be issued to all Bidders in the form of addenda to the specifications, and such addenda shall become part of the contract documents. Exceptions as taken in no way obligate the County to change the specifications. Failure of any Bidder to receive any such addendum or interpretation shall not relieve such Bidder from any obligation under his/her bid as submitted. The County shall assume no responsibility for oral instructions or suggestions. **ORAL ANSWERS WILL NOT BE BINDING ON THE COUNTY.** Requests received after 4:00 P.M. (EDST), Friday, March 16, 2018 may not be considered.

10. **Liquidated Damages:** The County reserves the rights to charge the vendor for each consecutive calendar day the equipment, materials, supplies, or services are not delivered in accordance with the delivery schedule. The per diem charge may be invoked at the discretion of the County, said sum of One Hundred Fifty (\$150.00) Dollars per consecutive calendar day to be charged back to the Contractor for each piece of equipment not delivered by the delivery time specified herein.
11. **Material and Workmanship:** All equipment furnished will be guaranteed to be new and of current manufacture, to meet all requirements of the specifications, and to be in intended use condition at time of delivery. All workmanship will be of high quality and accomplished in a professional manner so as to insure a functional apparatus with a pleasing, aesthetic appearance.
12. **NFPA:** Apparatus proposed by the bidder will meet the applicable requirements of the National Fire Protection Association (NFPA) as stated in current edition at time of contract execution. Fire department's specifications that differ from NFPA specifications will be indicated in the proposal as "non-NFPA".
13. **Payment:** Shall be made within thirty (30) consecutive calendar days of receipt of invoice submitted to the Washington County Division of Emergency Services, 16232 Elliott Parkway, Williamsport, Maryland, 21795, in the amount stipulated on the Form of Proposal for the One (1) New 2018 or Latest Production Model Heavy Duty Hazmat Unit received and accepted by the County's Representative.
14. **Performance Tests:** A road test will be conducted with the apparatus fully loaded and a continuous run of no less than ten (10) miles. During that time the apparatus will show no loss of power nor will it overheat. The transmission drive shaft or shafts and the axles will run quietly and be free of abnormal vibration or noise. The apparatus when fully loaded shall not have less than twenty-five (25) percent nor more than fifty (50) percent on the front axle, and not less than fifty (50) percent or more than seventy-five (75) percent on the rear axle. The apparatus shall meet NFPA 1901 acceleration and braking requirements.

- 15. Registration with Maryland Department of Assessments and Taxation:** Prior to contracting, private corporations must either be incorporated in the State of Maryland or registered with the Maryland Department of Assessments and Taxation as a foreign corporation, and must be in good standing. Proof of such standing is required prior to the start of the contracting process and shall remain so throughout the term of this contract. The website for the State Department of Assessments and Taxation is: <http://dat.maryland.gov/Pages/sdatforms.aspx#BNE> the phone numbers for the State Department of Assessments and taxation are: (410) 767-1340 or (888) 246-5941.
- 16. Safety Video:** Shall be provided upon delivery if applicable. The video shall address key safety considerations for personnel to follow when driving, operating, and maintaining the apparatus, including the following: pre-trip inspection, chassis operation, pump operation, generator operation, tower operation, air systems operation, and safety during maintenance.
- 17. Silence of Specifications:** The apparent silence of this specification, as to any detail or apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only best commercial practice is to prevail. Appurtenances and/or accessories not herein mentioned but necessary to furnish a complete unit, ready for use upon delivery, shall be included, conform to the best practice and workmanship known, and subject to these specifications in full. All interpretations of these specifications shall be construed as minimum.
- 18. Specification Sheets:**
- a. Bidders shall submit Specifications Sheets in with Comply/Exceptions indicated thereon along with the Form(s) of Proposal.
 - b. Bidders shall note any exceptions to the specifications in their bid and any exception must be clearly stated.
- 19. Substitutions:** Substitution requests must be received in the Purchasing Department **no later than 4:00 P.M. (EDST), Friday, March 16, 2018**. Requests received after this deadline for substitutions **may** not be considered. All such decisions will be considered final and not subject to further recourse. All correspondence in regard to this bid shall be directed to and issued by the Washington County Purchasing Department, **direct all inquiries to Rick Curry, CPPO - Director of Purchasing at 240-313-2330**.
- 20. Taxes-Responsibility for Payment, Exemptions, Forms to be Filed, etc.:**
- a. The County is exempt from State of Maryland Sales Tax. The County's Maryland Sales Tax Exemption Number is 3000129 2. However, the Bidder is responsible for making any necessary inquiries and investigations with regulating state agencies to obtain a determination of tax exemptions in his/her bid.
 - b. The Bidder is responsible for and by submitting a Bid agrees to pay all retail sales, income, real estate, sales and use, transportation and special taxes applicable to and assessable against any materials, equipment, processes and operations incident to or involved in the Project. The Bidder is responsible for ascertaining and acquainting his/herself with such taxes and making all necessary arrangements to pay same.

- c. The Successful Bidder shall complete a W-9 Vendor Information form (provided by the County) and return it to the Director of Purchasing.
- d. The Bidder is hereby advised of Section 1-106(b)(3) of the Code of Public Local Laws of Washington County, MD: "If a bidder has not paid all taxes owed to the County or a municipal corporation in the County, the County Commissioners may reject the bidder's bid."

21. Warranty:

- a. The manufacturer's warranty shall be provided, at a minimum.
- b. Bidders shall provide copies of all warranties with the submission of their quote proposal.
- c. Warranties shall be effective after final acceptance of the delivered equipment.
- d. Warranties for all component parts acquired from other manufacturers shall also be provided with the quote proposal.

22. Vehicle shall be clean inside and out when delivered.

23. Vehicle shall be equipped with standard equipment and the specified equipment, factory installed, unless otherwise specified.

24. Vehicle furnished must be equipped with all items required to meet current State and Federal laws.

**ONE (1) NEW 2018 OR LATEST
PRODUCTION MODEL HAZMAT UNIT**

SCOPE OF WORK / SPECIFICATIONS
(Complete and Submit with Form of Proposal)

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
A. GENERAL OVERVIEW:		
1	The following paragraphs will describe in detail the apparatus, construction methods, and equipment proposed. This proposal will indicate size, type, model and make of components parts and equipment, providing proof of compliance with each and every item (except where noted) in the departments advertised specifications.	
2	Other than exceptions specifically identified herein, the unit will be designed in accordance with the current edition of NFPA 1901 standards. This proposal will specify whether the fire department, manufacturer, or apparatus dealership will provide required loose equipment.	
3	The intent of this specification is to purchase a custom chassis hazardous materials squad for use within Washington County, Maryland and the surrounding jurisdictions.	
4	The completed unit should be no taller than 12'6", and no wider than 9'4" (not including mirrors).	
B. GENERAL DESIGN AND CONSTRUCTION;		
1	Service and Warranty Support	
a	The service center shall have no fewer than three (3) mechanics, factory-trained in fire apparatus repair on staff with Level I and/or Level II EVT certifications.	
b	The service center shall have at least one (1) Master EVT Certified Technician	
c	The service facility shall be located within one hundred (100) miles of Hagerstown, Maryland.	
2	Single Source Manufacturer	
a	To control quality, ensure compatibility, and provide a single source for service and warranty, the custom cab, chassis, and body will be entirely designed, assembled/welded and painted by the same manufacturer.	
b	The manufacturer will provide an integrated approach to the design and manufacture of our products that delivers superior apparatus and a dedicated support team. From the facilities, the chassis, cab weldment, cab, (including the sheet metal enclosure, valve controls, piping and operators panel) and body will be entirely designed, tested, and hand assembled to the customer's exact specifications.	
c	The electrical system, whether hardwired or multiplexed, shall be both designed and integrated by the manufacturer.	
d	The warranties relative to these major components (excluding component warranties such as engine, transmission, axles, pump, etc.) will be provided by a single source manufacturer.	
3	NFPA Standards	
a	These units shall comply with current NFPA standards, except for specified exceptions. These exceptions will be set forth in the Statement of Exceptions.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
b	Certification of slip resistance of all stepping, standing and walking surfaces shall be supplied with delivery of the apparatus.	
c	A plate that is highly visible to the driver while seated shall be provided. This plate shall show the overall height, length, and gross vehicle weight rating.	
d	The manufacturer shall have programs in place for training, proficiency testing and performance for any staff involved with certifications.	
e	An official of the company shall designate, in writing, who is qualified to witness and certify test results.	
4	Bid Bond	
a	A bid bond as security for the bid in the form of a 5% bid bond shall be provided with the proposal. This bid bond shall be issued by a Surety Company who is listed on the U.S. Treasury Departments list of acceptable sureties as published in Department Circular 570.	
b	The bid bond shall be issued by an authorized representative of the Surety Company and shall be accompanied by a certified power of attorney dated on or before the date of bid.	
c	The bid bond shall include language which assures that the bidder/principal shall give a bond or bonds, as may be specified in the bidding or contract documents, with good and sufficient surety for the faithful performance of the contract, including the Basic One (1) Year Limited Warranty, and for the prompt payment of labor and material furnished in the prosecution of the contract.	
d	Notwithstanding any document or assertion to the contrary, any surety bond related to the sale of a vehicle shall apply only to the Basic One (1) Year Limited Warranty for such vehicle.	
e	Any surety bond related to the sale of a vehicle shall not apply to any other warranties that are included within this bid (OEM or otherwise) or to the warranties (if any) of any third party of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.	
f	In the event of any contradiction or inconsistency between this provision and any other document or assertion, this provision shall prevail.	
5	Approval Drawing	
a	A drawing of the proposed Hazmat Unit shall be prepared and provided to the purchaser for approval before construction begins. The sales representative shall also be provided with a copy of the same drawing.	
b	The finalized and approved drawing shall become part of the contract documents. This drawing shall indicate the chassis make and model, location of the lights, siren, horns, compartments, major components, etc.	
c	A "revised" approval drawing of the apparatus shall be prepared and submitted to the purchaser showing any changes made to the approved drawing(s).	
6	Electrical Wiring Diagrams	
a	Two (2) electrical wiring diagrams, prepared for the model of chassis and body, shall be provided.	
C. FRAME & CHASSIS:		
1	General	
a	The units shall be constructed on a custom chassis developed exclusively for the fire service.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
b	Chassis provided shall be a new, tilt-type custom fire apparatus. The chassis shall be manufactured in the apparatus body builder's facility eliminating any split responsibility.	
c	The chassis shall be designed and manufactured for heavy-duty service, with adequate strength, capacity for the intended load to be sustained, and the type of service required. The chassis shall be the manufacturer's heavy-duty line tilt cab.	
d	The offeror shall state all principal frame dimensions including any bolt on frame extensions that are not integral to the chassis rails. In addition, the offeror shall specify if a frame liner is used to achieve the desired properties and ratings.	
e	The apparatus, when fully loaded, shall have not less than thirty-three percent (33%) nor more than forty-four percent (44%) of the weight on the front axle; and not less than fifty-six percent (56%) nor more than sixty-seven percent (67%) on the rear axle	
f	The manufacturer shall ensure that the vehicle strictly meets the NFPA requirements regarding weight, and weight distribution. During final inspection by Washington County, the completed vehicle shall have all weighing performed with weights simulating the proposed loose equipment load.	
g	The vehicle's final weight plus the simulated weight of loose equipment (12,500 lbs), and personnel (1,000 lbs.), shall not exceed 95% of the GVWR. Neither the front nor rear weight will exceed 95% of the GAWR for that axle.	
h	The distribution of weight from side-to-side of the completed vehicle (with pump-off tank full) shall not vary more than 7%.	
i	The manufacturer shall document that apparatus similar in design, build, and weight has passed tilt table testing and that this vehicle is certified as remaining stable at tilts in either direction of up to 26.5 degrees.	
2	Frame	
a	The following strength properties of the chassis frame rails shall be considered as <u>minimum to evaluate the proposal:</u> (1) the type of steel; (2) section modulus; (3) principle frame rail dimensions; (4) resistance to bending moment; (5) yield strength; and, (6) tensile strength. Bolt on frame rail extensions must be separately identified.	
b	The offeror shall state if holes in the frame are drilled or punched. All holes in the frame shall be used for selected options. Unused holes for non-selected options are not acceptable.	
c	All frame and cross-member components will be painted black (two coats minimum). The offeror shall fully describe the methods used to prevent rust and corrosion on all frame components. The entire underside of the cab, compartments, and body shall have a sprayed-on, rust inhibiting undercoating applied. The offeror shall specify the product used to undercoat and the method of application.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
3	Cross Members	
a	All cross members shall be welded or bolted in place with properly graded, minimum Grade-8 or superior, hardware.	
b	The manufacturer cannot cut, notch, or permanently remove stated cross members for mounting of component parts.	
4	Tow Eyes	
a	The apparatus shall be furnished with front and rear tow eyes mounted directly to the frame and painted to match the lower section of the cab. Design and mounting of the tow eyes shall provide the ability to pull the entire gross vehicle weight (GVWR) of the vehicle from the front or rear.	
b	The front tow eyes shall extend through the front bumper and/or apparatus body, so as not to reduce the angle of approach of the vehicle. No sheet metal portion of the apparatus shall hinder cable attachment to the tow eyes.	
c	Front tow eyes shall be designed and positioned to adapt to modern tow truck lift systems including utilization of towing glad hands identified elsewhere in this specification.	
d	The offeror shall list the capacity for a straight horizontal, in-line pull with the centerline of the vehicle for both the front and rear tow eyes. A maximum lifting capacity for each set of tow eyes shall also be included.	
e	It is not the intent of this specification to lift the loaded vehicle with the tow eyes. The offeror shall describe proper towing instructions for both the front and the rear. These instructions shall be identified on a placard permanently affixed to the vehicle at a location to be determined at the pre-construction conference.	
5	Chassis Lubrication	
a	The chassis manufacturer shall provide a list of all points on the vehicle requiring lubrication.	
6	Front Bumper	
a	Full-width, wrap-around, steel bumper with a minimum height of ten inches (10") shall be attached to the front of the frame. The bumper shall be painted to match the apparatus.	
b	The bumper shall be properly reinforced to provide maximum protection of occupants in a head on collision.	
c	The top outer edge of the bumper shall be covered with a black, heavy-duty, rubber or plastic scuff guard which extend three inches toward the face of the cab, and three (3) inches down from the top edge of the bumper	
d	The bumper shall only be extended the minimum distance from the front face of the crew cab to allow for recessed mounting of the following equipment in the bumper: <ul style="list-style-type: none"> • Two (2) air horns, • One (1) federal 2QB siren, and • One (1) electronic siren speaker, as fully described elsewhere in these specifications. 	
e	All unused space on the flat portion of the bumper shall be completely covered with 3M brand Scotchlite reflective finish or approved equal, as fully described in the graphics section of this specification.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
f	The remaining space between the front bumper and the front of the cab shall be covered with a polished aluminum diamond-plate gravel pan properly reinforced to support a fire fighter's weight anywhere along the width of the cab of the front bumper is extended.	
g	The outboard ends of either side of the front bumper shall be angled back at approximately 30 degrees to shorten turning radius.	
D. FRONT AXLE STEERING:		
1	General	
a	The entire suspension and all associated components shall be designed as an integrated system. All components of this system shall be approved for fire service applications with all other components (brakes, axles, wheels, tires, springs, steering components, shocks, etc.)	
b	The manufacturer shall provide a Meritor reverse I-beam front axle. This axle will be rated for fire service apparatus applications. The weight applied to the front axle of the fully equipped and loaded vehicle shall not exceed 95% of the front axle's GAWR.	
c	The offeror shall state the axle manufacturer, type, model number and maximum GAWR when fully loaded.	
d	It is an absolute requirement of these specifications to build a vehicle that is fully compliant with Federal Department of Transportation weight restrictions under all fire-service applications including the transport of the vehicle across State lines in excess of one-hundred (100) miles. <u>Therefore, any tire, wheel, axle, or suspension combination that requires the County to operate under certificate letter conditions will not be acceptable.</u>	
2	Front Axle Suspension	
a	The offeror shall state its standard leaf spring type suspension for the vehicle being offered.	
b	The offeror shall certify that the springs shall meet or exceed the design capacity of the front axle and all component parts including wheels, tires, and shock absorbers.	
c	Access panels shall be provided, if necessary, to facilitate free access to shackle pins and hangers for ready removal of the front spring.	
3	Power Steering	
a	A heavy-duty power steering unit capable of turning front wheels from stop to stop at engine idle shall be provided and shall be compatible with the front axle maximum GAWR.	
b	A steering gear, with integral heavy-duty power steering, shall be provided.	
c	For reduced system temperatures, the power steering shall incorporate an air to oil cooler and a hydraulic pump with integral pressure and flow control.	
d	All power steering lines shall have wire braided lines with crimped fittings.	
e	The offeror shall state the brand and model number of the steering box to be used.	
f	All power steering hoses shall be high quality wire braid reinforced, or approved equal.	
g	A tilt and telescoping steering wheel shall be provided.	
h	The offeror shall describe the diameter of the steering wheel and any other associated components or controls integral to the steering column, including: (1) horn button; (2) self-canceling turn signals; (3) four-way hazard switch.	

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i	To aid in the steering of the apparatus, the front axle shall be equipped with an additional power assist cylinder.	
4	Cramp Angle and Turning Radius	
a	Upon completion of the assembled vehicle, the offeror shall provide the <u>as-built</u> left and right steering cramp angles. The apparatus shall be built with the tightest cramp angles possible.	
b	The offeror shall provide the following turning radius in feet and inches: <ul style="list-style-type: none"> • <u>Curb to Curb</u> (shortest possible circle) • <u>Wall to Wall</u> (Measured at the top of the front bumper height) • <u>Maximum Overall</u> (with any protrusions including mirrors measured anywhere from the ground to the maximum height of the apparatus). 	
c	The County shall assess the turning characteristics of all bidders and may eliminate bidders whose apparatus is judged to be significantly less maneuverable than other bidders' apparatus	
E. REAR AXLE:		
1	General	
a	The offeror shall provide a Meritor rear axle. The offeror shall state the axle model number, type and maximum GAWR when fully loaded. The weight applied to the rear axle of the fully equipped and loaded (loose equipment, water, and personnel) vehicle shall not exceed 95% of the rear axles GAWR.	
b	The offeror shall provide a Meritor 185 or equivalent. The offeror shall state the axle model number, type and maximum GAWR when fully loaded	
c	The rear axle ratio shall be compatible with the engine and transmission performance parameters identified elsewhere in this specification.	
d	The offeror shall state the rear axle ratio.	
e	The vehicle shall be capable of a minimum top-speed of not less than seventy miles per hour (70 mph) and not greater than seventy-two miles per hour (72 mph), when fully loaded.	
2	Automatic Traction Control	
a	The rear axle shall be equipped with automatic traction control (ATC) that is designed to work in concert with the specified anti-lock braking system (ABS). The ATC shall reduce wheel slip on acceleration on wet or slippery road surfaces.	
b	An indicator light shall illuminate on the driver's console to indicate when the drive wheels slip during acceleration.	
3	Rear Axle Suspension	
a	The offeror shall provide its recommended standard leaf spring type suspension system and certify that the springs and all components shall meet or exceed the design capacity of the rear axle when the vehicle is fully loaded.	
b	The rear axle shall be equipped with the braking system, as specified elsewhere in this specification.	
4	Automatic Snow Chains	
a	One (1) set of automatic snow chains shall be installed on the rear axle with a spring loaded guarded switch and indicator light accessible to the driver's position.	
b	Automatic Snow chains shall not come in contact with brake chambers.	
c	The offeror shall provide the manufacturer, make and model of the snow chains.	

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F. BRAKING SYSTEMS:		
1	General	
a	The manufacturer will provide Meritor brakes with automatic slack adjusters that are compatible with all suspension, wheel and tire components <u>no exceptions</u> . The offeror shall fully describe the total braking system for the proposed vehicle. The offeror shall fully describe the total braking system for the proposed vehicle.	
b	The service brakes shall be capable of stopping the fully loaded vehicle on level ground in thirty-five feet (35 feet) at twenty miles per hour (20mph) without the use of an auxiliary braking device.	
c	The parking brake shall hold a fully loaded apparatus on a ten percent (10%) grade with the vehicle in neutral.	
d	Two (2) air pressure gauges shall be provided with audible and visual alarms that operate when air pressure falls below sixty pounds per square inch (60 psi) operating pressure.	
e	All brake lines shall be color-coded nylon construction. There shall be no camel-backs in wet line.	
2	Anti-Lock Braking System	
a	The vehicle braking system shall be provided with the latest generation, four-channel, anti-lock braking system (ABS) to assist in providing safe stopping without wheel lockup. Each wheel of the vehicle shall be monitored by the system.	
b	An ABS warning light shall be installed in the driver's console to warn the driver of ABS activation, fault, or failure.	
c	The offeror shall state the terms of the anti-lock brake system warranty.	
3	Front Service Brakes	
a	Severe duty front service brakes are to be the largest capacity air operated <u>quick change disc brakes</u> available for the application, <u>no exceptions</u> .	
b	The brake pads and rotors provided shall be specifically rated for severe duty fire service application; designed to dissipate excessive heat while reducing the occurrence of heat checks.	
c	Brake chamber brand and size shall be determined by the axle manufacturer and rated for severe duty fire service vocational application.	
4	Rear Service Brakes	
a	Meritor severe duty rear service brakes shall be the largest capacity air operated <u>quick change disc brakes</u> available for the application and equipped with automatic slack adjusters with visual indicators, <u>no exceptions</u> .	
b	The brake pads and rotors provided shall be specifically rated for severe duty fire service application; designed to dissipate excessive heat while reducing the occurrence of heat checks.	
c	Brake chamber brand and size shall be determined by the axle manufacturer and rated for severe duty fire service vocational application.	
5	Compressor	
a	The offeror shall state the make, model, and maximum rated capacity of the selected air compressor at idle and at the maximum governed vehicle engine speed.	

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b	The County requires the largest capacity compressor available for the rated application.	
c	Compressor air is to be filtered through the primary vehicle air cleaner, to ensure that compressor air is free of contaminates, and other particulates.	
6	Parking Brake	
a	The brake system shall include: <ul style="list-style-type: none"> • Dual brake treadle valve with vinyl covered foot surface • Heated automatic moisture ejector on air dryer • Two (2) air pressure gauges with a red warning light and an audible alarm, that activates when air pressure falls below 60 psi • Spring set parking brake system • Parking brake operated by a push-pull style control valve • A parking "brake on" indicator light on instrument panel • Park brake relay/inversion and anti-compounding valve, in conjunction with a double check valve system, with an automatic spring brake application at 40 psi • A pressure protection valve to prevent all air operated accessories from drawing air from the air system when the system pressure drops below 80 psi (550 kPa) 	
b	The air tank shall be primed and painted to meet a minimum 750 hour salt spray test.	
c	To reduce the effects of corrosion, the air tank shall be mounted with stainless steel brackets.	
7	Air Tanks	
a	A quick build-up system is to be provided with a minimum of three (3) air tanks.	
b	An additional air tank shall be provided to increase the capacity of the air system. This tank shall be dedicated for air horn use.	
c	The offeror shall state the total storage capacity for each tank and the configuration including mounting locations for all tanks.	
d	There shall be a remote cable controlled drain valve installed on each air tank reservoir. The drain valves shall be actuated from a single point on the apparatus, by vinyl covered stainless steel cables, attached to the underside of the vehicle. The exact location of the cables will be determined at the pre-construction conference.	
e	There shall be stick-on style labels provided on all of the chassis air tanks to identify the function a particular air tank provides to the chassis (i.e. Primary, Secondary, Quick Build Up, and Auxiliary).	
8	Air Dryer and Moisture Ejector	
a	The air brake system shall be equipped with a screw on, cartridge type, heated air dryer installed in a location easily accessible for service.	
b	An automatic moisture ejector shall be furnished on the primary tank of the system.	
c	Exact location for mounting of the dryer shall be determined at the pre-construction conference.	

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9	Towing Glad Hands	
a	Air brake system glad hand valves shall be provided for towing, mounted behind the front bumper for easy access. These valves shall be installed in a manner that does not interfere with the connection of cables to the front tow eyes nor reduce the angle of approach of the vehicle	
10	Auxiliary Air Outlets	
a	Two (2) auxiliary air outlets with an on-off valve shall be provided, one (1) on each side of the pump panel terminating in a standard female Schrader fitting	
b	Exact location shall be determined at the pre-construction conference	
11	Air Inlet	
a	One (1) air inlet with type "H" male coupling shall be provided. It shall allow station air to be supplied to the apparatus brake system through a shoreline hose. The inlet shall be located in the driver side lower step well of cab.	
b	A check valve shall be provided to prevent reverse flow of air. The inlet shall discharge into the "wet" tank of the brake system.	
c	A mating female fitting shall also be provided with the loose equipment.	
G. WHEELS and TIRES:		
1	General	
a	It is an absolute requirement of these specifications to build a vehicle that is fully compliant with Federal Department of Transportation weight restrictions under all fire-service applications including the transport of the vehicle across State lines in excess of one-hundred (100) miles. <u>Therefore, any tire, wheel, axle, or suspension combination that requires the County to operate under certificate letter conditions shall not be acceptable.</u>	
b	It is a further requirement of this specification to provide a wheel and tire combination where the recommended cold inflation pressure for any tire does not exceed the maximum recommended inflation pressure of the wheels.	
c	The County requires a tire and wheel combination that provides a range of safe operating inflation pressures of at least ten pounds per square inch (10 psi).	
2	Valve Stems and Caps and Tire Pressure Management	
a	The offeror shall provide, all steel valve stems with metal caps, extended as necessary to easily check tire pressures with a standard tire gauge.	
b	If extensions are to be used, they shall be securely fastened to the wheels and the offeror shall specify the securing devices.	
c	Plastic or rubber valve stems and caps shall not be accepted.	
3	Front Wheels	
a	Front wheels shall be Alcoa or Accuride aluminum single piece rims with a polished finish.	
b	The offeror shall certify that the selected wheel shall meet or exceed the manufacturer's design weight application for the respective axle, suspension, and braking application.	
c	The offeror shall be responsible for notifying the County of any changes to cramp angle, offset, turning radius, or maximum overall vehicle width.	
d	The contractor shall be responsible for any differences between as-built changes and requirements contained in this bid.	

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e	One (1) spare front wheel and front tire shall be provided with each unit.	
4	Front Tires	
a	All tires shall be balanced with balancing beads. The beads shall be inserted into the tire and eliminate the need for wheel weights.	
b	The severe duty tires shall have a speed rating not less than 65MPH that meet the weight requirements of the vehicle.	
c	The front tires shall be steel belted tubeless type radials with the highest quality steering tread design.	
d	The successful offeror shall provide to the County at the pre-construction conference, the manufacturer's name, model, and type of tire to be provided. As part of the Bid submission.	
e	The offeror shall state the maximum weight carrying capacity in a single wheel application and the recommended minimum cold inflation pressure necessary to carry the specified weight.	
f	The offeror shall specify manufacturer, models, tread pattern, ply, and recommended operating air pressure.	
5	Rear Wheels	
a	Rear wheels shall be Alcoa or Accuride aluminum single piece rims with a polished finish on the outer wheels and standard finish on the inner wheels.	
b	Chrome plated lug nut covers shall be provided.	
c	Wheel Hubs shall be painted job color. Chrome plated top hats shall be excluded .	
d	The offeror shall certify that the selected wheel shall meet or exceed the designed weight application for the respective axle, suspension, and braking application.	
e	The offeror shall be responsible for notifying the County of any changes to offset, or maximum overall vehicle width.	
6	Rear Tires	
a	Rear tires shall be steel belted tubeless type radials with the highest quality mud and snow tread design.	
b	The successful offeror shall provide to the County at the pre-construction conference, the manufacturer's name, model, and type of tire to be provided.	
c	The offeror shall state the maximum weight carrying capacity in a dual wheel application and the recommended minimum cold inflation pressure necessary to carry the specified GAWR.	
d	The offeror shall certify that the selected tire is fully compatible with the specified wheel.	
e	Rear dual tires shall be equipped with stainless steel air- fill manifolds with check valves and visual indicators for low air pressure.	

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H. ENGINE:		
1	Engine - General	
a	Horse Power Rating: not less than 500 hp Torque Rating: not less than 1800 lb-ft Emissions Certification: EPA 2016 (GHG17) Fuel: Diesel Cylinders: Six (6) Starter: Delco Remy 39MT™ Fuel Filters: Dual cartridge style with check valve	
b	The engine, transmission, rear-end, and relevant electronic systems will be arranged, engineered, and programmed such that the fully loaded vehicle is capable of: <ul style="list-style-type: none"> • Accelerating on level ground from 0 to 60 MPH in less than 16 seconds • Maintaining at least 65MPH uphill on up to a 6% grade 	
2	Standard Equipment	
a	The successful offeror shall provide the following as standard equipment on all completed vehicles: <ul style="list-style-type: none"> • Spin on full flow oil and fuel filters • Single stage air intake and cleaner w/warmer • Non-combustible embers separator • Engine protection warning system • Engine shutdown switch • Access panel for <u>all</u> fluid checks without tilting the cab 	
b	The successful offeror shall provide all applicable locations, make, model numbers, and warranty information for said equipment to the County at the pre-construction conference.	
c	The County reserves the right to negotiate relocation of selected filters for ease of service at the pre-construction conference.	
3	Engine Brake	
a	A Jacobs's engine brake approved for use by the engine manufacturer shall be furnished with all manual and automatic controls.	
b	The engine brake shall have a dash mounted three (3) position high, medium, low, and on/off switch easily accessible to the driver.	
c	Activation of the engine brake shall activate the vehicle's brake lights.	
4	High Idle	
a	A high idle control with a dash mounted on/off switch easily accessible to the driver and preset at a <u>minimum</u> one thousand (1000) RPM's shall be provided.	
b	The high idle shall be operational ONLY when the parking brake is applied and the truck transmission is in neutral.	
5	Air Cleaner	
a	A dry type air cleaner with a CFM rating equal to or greater than the requirements of the engine with a dash mounted service indicator shall be provided.	

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b	The air cleaner shall be mounted for easy serviceability and shall be provided with a <u>non-combustible</u> embers arrester to prevent embers from fires causing damage to the air filter and intake of the engine.	
c	The air intake with embers separator shall be mounted above the chassis frame rails, and located in a manor to prevent road dirt, high water, and re-circulating hot air from entering the engine.	
6	Engine Exhaust	
a	An all welded, corrosion resistant, single pipe exhaust system shall be provided. The system shall be designed to provide the quietist operation possible.	
7	Engine Certification	
a	The offeror <u>SHALL</u> submit a letter from the engine manufacturer on their letterhead stating that: <ol style="list-style-type: none"> 1. The engine application shall be approved for the specific chassis and cab recommended including airflow in and around the motor and exhaust routing-capacity. 2. The engine, transmission, radiator, and pump combination shall meet or exceed the engine manufacturer's requirements for cooling through the full operating range of the motor. 	
b	The successful offeror shall provide to the County written certification from the engine manufacturer that all engine fluids have been used for their designed use.	
I. FUEL SYSTEM:		
1	General	
a	The offeror shall provide a steel fuel cell with a capacity of at least 65 gallons.	
b	The fuel tank shall have a fill capacity of ninety-five percent (95%) of the stated tank volume.	
c	The fuel cell shall be mounted by stainless steel hanger straps.	
d	The fuel cell shall be located to the rear of the rear axle. below the frame	
e	The fill port shall be located behind a spring loaded, and self-locking hinged, brushed- aluminum door near the driver's side rear wheel well, protected by a stainless steel splash guard to prevent damage to the paint from splashed/dripped diesel fuel and DEF.	
f	The fuel cell shall have a 0.5" NPT drain plug located near the center of the cell's bottom.	
2	Filters	
a	The fuel system shall be equipped with the engine manufacturer's state of the art fuel filtering system with the following required features: <ul style="list-style-type: none"> • Mounted in an accessible and serviceable location; • A fuel water separator • A self-priming port • A drain valve 	
3	Auxiliary Fuel Pump	
a	An auxiliary electric fuel pump shall be added to the fuel line for priming the engine. A switch located on the cab diagnostic or instrument panel shall be provided to operate the pump.	

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4	Fuel Shut Off	
a	Fuel shut off valves shall be installed in the fuel line, on both sides of the fuel filter(s).	
5	Diesel Exhaust Fluid	
a	A diesel exhaust fluid (DEF) tank shall be provided and mounted.	
b	A 0.50" drain plug shall be provided in a low point of the tank for drainage.	
c	A fill inlet shall be provided and marked "Diesel Exhaust Fluid Only". The fill inlet shall be located adjacent to the engine fuel inlet behind a common hinged, spring loaded, polished stainless steel door on the driver side of the vehicle.	
d	The tank shall meet the engine manufacturer's requirement for 10 percent expansion space in the event of tank freezing.	
e	The tank shall include an integrated heater unit that utilizes engine coolant to thaw the DEF in the event of freezing.	
J. COOLING SYSTEM:		
1	General	
a	The radiator and the complete cooling system shall meet or exceed NFPA and engine manufacturer cooling system standards.	
b	For maximum corrosion resistance and cooling performance, the entire radiator core shall be constructed using long life aluminum alloy. The radiator shall be compatible with commercial antifreeze solutions.	
c	There shall be a full steel frame around the entire radiator core assembly. The radiator core assembly shall be isolated within the steel frame by rubber inserts to enhance cooling system durability and reliability.	
d	The radiator shall be mounted in such a manner as to prevent the development of leaks caused by twisting or straining when the apparatus operates over uneven ground.	
e	The radiator assembly shall be isolated from the chassis frame rails with rubber isolators.	
f	The radiator assembly shall include an integral de-aeration tank permanently mounted to the top of the radiator framework, with a readily accessible remote-mounted overflow tank.	
g	The radiator shall be equipped with a 15 psi pressure relief cap.	
h	The radiator neck and coolant reservoir shall have a built in low coolant sight glass.	
i	The radiator <u>shall</u> be removable from the chassis without completely removing the cab.	
j	A heavy-duty fan shall draw in fresh, cool air through the radiator. Shields or baffles shall be provided to prevent recirculation of hot air to the inlet side of the radiator.	
2	Drain Valve	
a	A drain valve shall be provided that is located at the lowest point in the cooling system and at such points necessary to completely remove coolant from the system.	

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3	Coolant	
a	A permanent-type anti-freeze certified by the engine manufacturer as appropriate for this application to prevent corrosion of internal engine components is required.	
b	The vehicle shall be delivered with the cooling system protected to minus forty degrees Fahrenheit (-40 ⁰ F) using extended life five (5) year minimum approved coolant.	
4	Mounting	
a	The radiator and cradle shall be mounted independently (not connected to any portion of the cab or engine) and shall be designed and constructed in such a manner to be capable of withstanding the stress loads imparted by emergency responses and sustained pumping operations.	
5	Coolant Hoses and Clamps	
a	Gates® silicone hoses or approved equal shall be used for all engine/heater coolant lines installed by the chassis manufacturer.	
b	The chassis manufacturer shall also use Gates brand hose on other heater, defroster and auxiliary coolant circuits. There shall be some areas in which an appropriate Gates product is not available. In those instances a comparable silicone hose from another manufacturer shall be used.	
c	Hose clamps shall be stainless steel constant torque type to prevent coolant leakage. They shall react to temperature changes in the cooling system and expand or contract accordingly while maintaining a constant clamping pressure on the hose.	
d	Hose clamps shall be stainless steel constant torque type to prevent coolant leakage. They will expand and contract according to coolant system temperature thereby keeping a constant clamping pressure on the hose.	
6	Heater / Defroster Manual Bypass	
a	Manual shutoff valve(s) to the heater/defroster shall be provided.	
K. TRANSMISSION:		
1	General	
a	The offeror shall provide an Allison Model EVS 4000, electronic, torque converting, automatic transmission with backlit touch pad controls.	
b	A transmission temperature gauge with audible and visual warnings for overheating shall be installed on the cab instrument panel.	
c	The transmission shall be equipped with prognostics to monitor oil life, filter life, and transmission health. A wrench icon on the shift selector's digital display will indicate when service is due.	
d	An aggressive “downshift” mode shall be included.	
e	All external hoses shall be the highest quality reinforced hoses approved by the transmission manufacturer.	
f	A push button shift module shall be mounted to right of driver on console. Shift position indicator will be indirectly lit for after dark operation.	
g	The transmission ratio shall be geared appropriately to maintain the maximum vehicle speed of 70 MPH. The manufacturer shall program the vehicle to maintain an NFPA compliant speed until the “MODE” button is depressed on the shift pad.	

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2	Back-Up Warning	
a	A PRECO, Model 1040, solid-state electronic audible back-up alarm that actuates when the truck is shifted into reverse shall be provided. The device will sound at 60 pulses per minute and automatically adjust its volume to maintain a minimum ten (10) dBA above surrounding environmental noise levels.	
b	This alarm shall be mounted under the rear of the apparatus.	
3	Transmission Cooler	
a	Transmission oil cooler that fully meets the warranty requirements of the transmission manufacturer shall be provided. It shall be provided as an integral part to the radiator and located at the bottom of the radiator.	
b	The cooler shall use engine coolant to control the transmission oil temperature	
c	A transmission temperature gauge with red light and buzzer shall be installed on the cab instrument panel.	
L. DRIVELINE:		
1	General	
a	A Spicer heavy-duty drive-line fully compatible with all of the specified power train components shall be provided, no exceptions .	
b	The offeror shall state the make and model number of all drive line components.	
c	All portions of the drive-line shall be <u>DYNAMICALLY</u> balanced through the maximum range of operating speed	
d	A splined slip joint shall be provided in each driveshaft. The slip joint shall be coated with Glidecoat® or approved equivalent.	
2	Universal Joints	
a	Spicer universal joints rated for the proposed application shall be provided.	
3	Universal Joints, Grease Shields, and Driveline Safety Loops	
a	Each universal joint and slip joint in the drive-line shall have shield(s) to prevent grease from being thrown against the underside of the body, chassis and interior frame rail components.	
b	There shall be two (2) drive line safety loop(s) provided to help retain the drive shaft in the event of a drive shaft or cardan joint failure.	
M. ELECTRICAL SYSTEM:		
1	General	
a	There shall be six batteries that include the following features shall be provided: <ul style="list-style-type: none"> • 950 CCA, cold cranking amps • 190 amp reserve capacity • High cycle • Group 31 • Rating of 3800 CCA at 0 degrees Fahrenheit • 760 minutes of reserve capacity • Threaded stainless steel studs 	
b	Each battery case shall be a black polypropylene material with a vertically ribbed container for increased vibration resistance. The cover shall be manifold vented with a central venting location to allow a 45° degree tilt capacity.	

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c	The inside of each battery shall consist of a "maintenance free" grid construction with poly wrapped separators and a flooded epoxy bottom anchoring for maximum vibration resistance.	
d	There shall be a single starting system with an ignition switch and starter button provided and located on the cab instrument panel.	
2	Master Battery and Ignition Switches	
a	The vehicle shall be equipped with a master battery switch, Guest brand, or approved equal, to activate the battery system. This switch shall energize both battery banks by simply switching from "OFF" to "ON".	
b	An indicator light shall be provided on the instrument panel to notify the driver of the status of the battery system.	
c	The master battery switch shall be located beneath the left side of the driver's seat, oriented toward the driver's door, for easy use while the driver is standing on the ground, adjacent to the apparatus.	
d	A heavy-duty, piloted ignition rocker switch shall be located on the dash, to the left side of the steering wheel. Labeled IGNITION.	
e	A single, heavy-duty, water-resistant starter switch shall be installed directly adjacent to the ignition switch. Labeled STARTER.	
3	Battery Compartments	
a	Batteries shall be stored in well-ventilated compartments that are located under the cab and bolted directly to the chassis frame.	
b	The battery compartments shall be designed to accommodate a maximum of three (3) group 31 batteries in each compartment.	
c	The battery hold-downs shall be of a non-corrosive material. All bolts and nuts shall be stainless steel.	
d	The compartments shall include formed fit heavy duty roto-molded polyethylene battery trays with drain tubes for the batteries to sit in.	
e	Heavy-duty battery cables shall be used to provide maximum power to the electrical system. Cables shall be color-coded.	
f	Battery terminal connections shall be coated with anti-corrosion compound.	
g	Battery solenoid terminal connections shall be encapsulated with semi-permanent rubberized compound.	
h	If batteries are <u>NOT</u> mounted in a rollout style tray, the offeror shall state how battery access will be provided in the event of loss of battery power.	
4	Jumper Studs	
a	One (1) set of battery jumper studs with plastic color-coded covers shall be installed on the bottom of the driver's side battery box. This shall provide for easy jumper cable access.	
b	A directly wired, quick connect plug, compatible to the Warn winch connection, shall also be installed in an accessible location in the area of the battery boxes on both sides of the cab.	

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5	Battery Charger / Invertor	
a	There shall be a Kussmaul Model 430-1220-0 Battery Charger/Inverter installed, <u>no exceptions</u> . The inverter shall be wired to a “Shoreline” subpanel that shall allow the 120v outlets in the cab and command shall be supplied by either shoreline/inverter power or by generator power. The unit shall be installed in a suitable location that allows access to check breakers and unit operation if needed.	
b	A jockey air pump shall be installed in conjunction with the battery charger/inverter that keeps the chassis air system maintained at 80 psi to minimize delayed response due to low air.	
c	The battery charger indicator shall be located in a location to be determined at the pre-build engineering meeting.	
6	Shoreline	
a	There shall be one (1) Kussmaul™, 20 amp/120 volt AC shoreline inlet provided to operate the dedicated 120 volt AC circuits on the apparatus, <u>no exceptions</u> . This shall be a non-auto-eject receptacle.	
b	The shoreline inlet(s) shall include red weatherproof flip up cover(s).	
c	The shoreline(s) shall be connected to the battery charger/inverter.	
d	There shall be a mating connector body supplied with the loose equipment.	
e	There shall be a label installed near the inlet(s) that state the following: <ul style="list-style-type: none"> • Line Voltage • Current Rating (amps) • Phase • Frequency 	
f	The shoreline receptacle shall be located in a location to be determined at the pre-build engineering meeting.	
7	Alternator	
a	The offeror shall provide a Niehoff alternator and regulator	
b	Based on the electrical analysis report, the offeror shall provide the model number and capacity of the alternator, for this application, <u>no exceptions</u> . The offeror shall specify the power curve through the RPM range.	
c	The alternator shall be pad-mounted (not mounted to a free-standing bracket) and connected to the power and ground distribution system, with heavy-duty cables, sized to carry the full rated alternator output.	
8	Wiring Capacity and Load Management System	
a	All wiring and switches shall to be of sufficient capacity to withstand maximum draw plus a safety factor as determined by NFPA standards.	
b	An electrical load management system for all warning lights shall be provided.	
c	This system shall also provide for the sequencing of activation/deactivation of all warning lights with priority settings and be interfaced with the high idle engine settings when the vehicle is parked.	
d	The offeror shall provide detailed information on this system’s operation and features.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
9	Wiring	
a	All wiring shall be copper stranded wire of a gauge rated to carry one hundred twenty-five percent (125%) of the maximum current for which the circuit is protected.	
b	Voltage drops in all wiring from the power source to the using device shall not exceed ten percent (10%).	
c	All wiring shall be color-coded and function labeled every four inches (4").	
d	A six inch (6") service loop shall be provided behind each electrical appliance to allow the device to be pulled away from the mounting area for inspection and service work.	
e	All wiring shall be in non-metallic looms.	
10	Circuit Breakers	
a	All circuits shall be provided with automatic, thermal reset, circuit breakers or fuses.	
b	Circuit breakers shall be mounted in serviceable locations, not to exceed three (3) locations (front/middle/rear or cab/pump house/hose body).	
c	All circuit breakers shall be clearly identified on the bid submission drawing and be easily accessible for replacement or maintenance without disassembly of other components.	
11	Wiring Protection	
a	Wire looms shall be securely attached to the vehicle so as to prevent chafing and wear.	
b	Wires passing through sheet metal shall be protected with grommets or wire loom.	
c	No wiring or wire loom shall be painted.	
N. NON-EMERGENCY 12-VOLT LIGHTING		
1	General	
a	All lighting shall meet or exceed Federal Department of Transportation Standards, federal motor safety standards and the NFPA zoning requirements.	
b	Where possible, all lighting packages unless otherwise specified shall be the latest generation Light Emitting Diode (LED) style.	
2	Headlights	
a	There shall be four (4) JW Speaker® or approved equal rectangular, LED lights mounted in the front quad style, chrome housing on each side of the cab grille: <ul style="list-style-type: none"> • The outside light on each side will contain a Model 8800-12V - DOT/ECE LB LED, low beam module. • The inside light on each side will contain a Model 8800 -12V - DOT/ECE HB LED, high beam module. 	
b	Headlights shall be provided with a wig-wag flashing feature using the high beam headlights for emergency response.	
c	The vehicle shall be equipped with daytime running lights.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
3	Turn Signals	
a	Left and right LED directional (turning) indicator lights shall be provided at the following locations: <ul style="list-style-type: none"> • Front of Cab • Near front wheel wells (both sides) • Near rear wheel wells (both sides) • Rear of Hose Body 	
4	Marker Lights	
a	The offeror shall provide the latest generation LED front, side, and rear marker lights in accordance with Federal Department of Transportation and NFPA requirements.	
5	Stop, Tail, and Back-Up Lights	
a	The offeror shall furnish and fully describe their standard latest generation LED stop, tail and back-up light packages.	
b	Additional angled back-up lights shall be recess mounted, one (1) each side, in the area aft of the rear wheels to illuminate the rear side areas of the vehicle, providing maximum driver illumination while backing.	
c	These lights shall activate automatically when the vehicle is placed in reverse.	
6	Step Lights	
a	Three (3) recessed cab step lights shall be furnished and installed at all three (3) cab door entrances, one (1) per entrance, to activate when the cab door is opened. Location to be determined at pre-bid conference.	
7	Side Scene Lights	
a	There will be six (6) Fire Research Spectra Max “S” LED floodlight(s) installed in-line, in semi-recessed housings located on the passenger and driver side body, <u>no exceptions.</u> <ul style="list-style-type: none"> • Right and left sides near front upper corner of body (forward of adjacent flood light) • Right and left sides near rear, upper corner of body (to the rear of adjacent flood light) • Right and left sides centered along the top edge of the body 	
b	The lights selected above shall be controlled by the following: <ul style="list-style-type: none"> • a switch at the driver’s side switch panel • a switch at the officer’s side switch panel • activated when the transmission is placed in reverse 	
c	These light(s) shall be load managed when the parking brake is set	
8	Rear Scene Lights	
a	There shall be two (2) Fire Research Spectra Max “S” LED floodlight(s) installed in semi-recessed housings located on both corners of the rear body, <u>no exceptions.</u> The painted parts of this light assembly to be white.	
b	The lights selected above shall be controlled by the following: <ul style="list-style-type: none"> • a switch at the driver’s side switch panel • a switch at the officer’s switch panel • activated when the transmission is placed in reverse 	
c	These light(s) shall be load managed when the parking brake is set	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
9	Rear Work Area Lights	
a	There shall be two (2) white LED scene lights installed at the rear of the vehicle, under the tailboard, facing the rear. The lights shall have twelve (12) white LEDs and have no internal optics. The lights shall be mounted on brackets below the truck so as to not interfere with the angle of departure.	
b	The lights shall be controlled by a switch at the driver's side switch panel. Labeled: GROUND LIGHTS	
10	Brow Lights	
a	Two (2) LED split spot/flood brow lights shall be mounted on the front corners of the cab to illuminate the areas in front of and adjacent to the apparatus while approaching the scene.	
b	These lights shall be controlled by a single switch accessible to the driver and officer and labeled BROW LIGHTS	
O. CAB CONSTRUCTION:		
1	General	
a	It is the intent of this specification to provide Washington County Fire Fighters with the maximum available space possible within the confines of the overall dimensions described throughout the specification. The cab shall be at least 96 inches wide, but not more than 100 inches wide. The cab shall be the between 76" and 86" long.	
b	The cab shall have a raised 24" roof, with windows on the front and sides of the raised section.	
c	The cab shall be the latest model full-tilt, medium three (3) door cab over fire service design capable of carrying four (4) persons.	
d	The offeror shall provide an access panel for checking all fluids without tilting the cab.	
e	The cab shall be built by the apparatus manufacturer in a facility located on the manufacturer's premises.	
f	The cab lift system shall be interlocked to the parking brake. If the parking brake is released, the cab tilt mechanism will be disabled.	
g	Rain drip moldings shall be provided.	
h	A 3-point cab mount system with rubber isolators shall improve ride quality by isolating chassis vibrations from the cab.	
i	Suitable provisions shall be made to permit easy removal of the engine and radiator from the chassis <u>without</u> removing the cab from the chassis.	
2	Construction	
a	The cab shall be constructed of fire service quality aluminum.	
b	Structural components shall be fully extruded aluminum.	
c	The outer skin shall be cut from 3/16" aluminum.	
d	Only fully welded construction shall be accepted.	
e	The offeror shall provide a description of the cab framing, exterior skin covering, and assembly techniques for all construction including material specifications and thickness.	
f	The entire crew cab roof shall be properly reinforced to provide a walking surface for fire fighters	
g	The roof shall be covered with polished diamond plate to the radius of the roof edges.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
h	The offeror shall provide the following principle dimensions to fully describe the cab: <ul style="list-style-type: none"> • Exterior cab overall length, • Cab to axle length, • Exterior cab width, • Interior cab width, • Floor to Ceiling height inside crew cab at all riding positions, • Front of seat to any forward obstructions for all seating positions, • Width of each seat and the distance to any lateral obstructions, • Width and height of crew cab doors, • Height and surface area of each step into the cab at all riding positions. 	
i	The cab shall include insulation for noise reduction and climate control.	
j	The engine hood (doghouse) shall be completely insulated to minimize engine temperature and noise throughout the crew cab area, <u>no exceptions.</u>	
3	Cab Floor	
a	The offeror shall describe the construction of the cab floor, cab stepping, and cab walking surfaces, including all step(s) surface area, height from ground to first step and all subsequent steps.	
b	Only non-slip (gator grip or equal) surfaces shall be considered for any exposed step areas.	
c	The cab floor in the rear of the cab shall be flat, with no raised portions.	
4	Air Conditioning	
a	A high performance air conditioning system shall be furnished inside the cab and crew cab.	
b	Minimum performance requirements for the air-conditioning system inside the crew cab shall be: In one-hundred degree Fahrenheit (100 ⁰ F) ambient temperature, with fifty percent (50%) relative humidity and at one thousand two hundred (1200) engine rpm's, the cab and crew cab shall cool down to seventy-two degrees Fahrenheit (72 ⁰ F) within thirty (30) minutes.	
c	The offeror shall submit actual test results from the air conditioner manufacturer with its bid submission.	
d	The offeror shall state the following in its bid submission: <ul style="list-style-type: none"> • The cubic inch capacity of the air conditioning compressor to be installed on the engine, • The BTU performance specification and mounting location of the condenser(s), • The refrigerant type to be used within the system. 	
e	The offeror shall describe the following in its bid submission: <ul style="list-style-type: none"> • Number and location of evaporator units, • The location and construction of all air conditioning controls and discharges used in the cab. 	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
8	Heater	
	The offeror shall provide specifications for a crew cab heater which shall include the following minimum information:	
a	<ul style="list-style-type: none"> • The rated capacity of the heater in BTU's; • The location of all controls and air discharges; • The offeror's standard mounting configuration. 	
9	Interior	
a	The offeror shall describe its standard crew cab interior configuration including, headliner, sound barriers, engine tunnel, upper door liners and any other component not otherwise specified in this section.	
b	The entrance steps at each door shall be constructed of diamond plate. The interior side walls, doors, posts, floor, dash and doghouse shall be constructed of aluminum and finished in black Line-X or approved equal. The floor in the rear of the cab shall be flat; there shall be no raised sections of the floor.	
c	The ceiling shall be two (2) sections (front and rear) black, marine grade vinyl over rigid composite panels, securely attached to supporting structures. The ceiling will be easily removable for access to wiring. Any ceiling mounted accessory shall be removable without removing ceiling panels.	
d	It is the intent of this specification to provide the County with a severe duty cycle rugged cab interior optimally designed for fire fighter safety and comfort. To accomplish these goals, the County requires maximum cab interior room for all occupants.	
e	Further, the County requires the mounting of the equipment (computer, radios, etc. in a manner that maximizes user efficiency from both the driver's and officer's positions without interfering with driver's visibility. NOTE: Permanent mounting aluminum map book box storage is essential	
f	The County requires flush mount door operator handles on all cab doors and interior compartments that cannot be inadvertently operated by coat sleeves.	
10	Engine Hood	
a	The engine hood (doghouse) shall be completely insulated to minimize temperature and noise throughout the crew cab area	
b	The County requires that the dog house assembly be as strong as possible with the lowest possible profile to ensure maximum space available to the driver, officer and crew.	
11	Cab Doors	
a	All cab doors shall be barrier-style (half doors) of one (1) piece welded construction with removable inner panel for servicing door components and are to be of ample size for easy access to driver's compartment and the passenger enclosure.	
b	An audible (when parking brake is released) and visual (at all times) red, ceiling-mounted, warning indicator to alert the driver of an open door shall be provided.	
c	All exterior cab doors are to be lockable and keyed alike. Five (5) keys shall be provided with the unit.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
d	The offeror shall provide grab handles installed on the interior of each crew cab door for ease of use in closing. The grab handle shall be mounted horizontal just below the window. In addition, a non-slip grab handle shall be installed on the interior doorpost of all crew cab doors.	
e	The cab doors shall have full length piano style hinges constructed of heavy-duty stainless steel and over extension straps.	
f	There shall be a full-width strip stainless steel kick plate panel on the interior of all cab doors.	
g	A 3M® Scotchlite™ Diamond Grade or equal Red and White fluorescent reflective chevron barricade pattern label shall be installed on the lower portion of the inside surface of each cab door so that the warning label is displayed to the rear of the apparatus when the door is open.	
h	A red, flashing, 6” LED light shall be recessed on the interior side of each cab door, toward the lower, rear corner of each door. These lights shall flash continuously whenever the door into which they are mounted is opened.	
12	Door Scuff Plates	
a	All cab door jambs shall be furnished with a full length, polished stainless steel scuff plate, mounted on the striker side of the jamb.	
13	Rub Rail	
a	The bottom edge of both sides of the body shall be trimmed with black, molded rubber bumper guards approximately 3.00 inches in height. On both sides, two red LED flashers will be recessed into each rub rail, one beneath the front-most compartment, the other beneath the rear-most compartment. All flashers shall be able to be replaced without removing the rubrails. No body component shall extend beyond the outer-most edge of the rub rail on either side.	
14	Body Fender Crowns and Liners	
a	Black molded, rubber, fender crowns shall be attached to the entire edge/perimeter of the wheel well.	
b	Full crown fender liners around entire wheel openings shall be provided.	
15	Grab Handlers	
a	Black rubber covered grab handles shall be mounted on the hinge side of the lower portion of all cab entry points to assist in entering the cab.	
b	The grab handle shall be securely mounted to the post area between the door and steering wheel column or dash in front of the cab, and at approximately the same height at the rear points of entry.	
16	Cab Door Window	
a	All glass provided in the cab and passenger enclosure is to be approved safety glass	
b	All cab glass shall be fully tinted and Department of Transportation compliant. The offeror must provide the percentage of light transmission tint for each window application.	
c	All cab entry doors will contain powered windows. Each door shall have an activation switch affixed to the door. Controls to operate all cab windows shall be accessible from the driver’s seat as well.	

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17	Engine Compartment Light	
a	There shall be white LED light(s) installed under the cab to be used as engine compartment illumination.	
b	These light(s) shall be activated automatically when the cab is raised.	
18	Cab Seating	
a	All seat upholstery shall be Seats, Inc. 911 Universal Series with black Turnout Tuff fabric.	
b	A seat shall be provided in the cab for the driver. The seat design shall be a cam action type, with air suspension. For increased convenience, the seat shall include a manual control to adjust the horizontal position (6.00" travel). The manual horizontal control will be a towel-bar style located below the forward part of the seat cushion. To provide flexibility for multiple driver configurations, the seat will have an adjustable reclining back. The seat back shall be a high back style with side bolster pads for maximum support. For optimal comfort, the seat shall be provided with 17.00" deep foam cushions designed with EVC (elastomeric vibration control).	
c	A seat shall be provided in the cab for the passenger. The seat will be a fixed type with no suspension. The seat back shall be a high back style with 9 degree fixed recline angle and side bolster pads for maximum support. For optimal comfort, the seat shall be provided with 17.00" deep foam cushions designed with EVC (elastomeric vibration control). To ensure safe operation, the seat shall be equipped with seat belt sensors in the seat cushion and belt receptacle that shall activate an alarm indicating a seat is occupied but not buckled. No SCBA shall be stored at this seat	
d	There shall be one (1) forward facing flip-up seat provided at the passenger side outboard position in the crew cab. No SCBA shall be stored at this seat. The seat shall be furnished with a 3-point, shoulder type seat belt.	
e	A rear-facing seat shall be provided in the back of the cab behind the officer's seat. The seat shall be a fixed type with no suspension. The seat back shall be a high back style with 9 degree fixed recline angle and side bolster pads for maximum support. For optimal comfort, the seat shall be provided with 17.00" deep foam cushions designed with EVC (elastomeric vibration control). To ensure safe operation, the seat shall be equipped with seat belt sensors in the seat cushion and belt receptacle that will activate an alarm indicating a seat is occupied but not buckled. No SCBA shall be stored at this seat.	
19	Seat Belts	
a	Three-point (3) inertia shoulder type seat belts with automatic retractors, extension stalks, and vertical height adjustment are considered "minimum equipment" for each riding position on the vehicle. They should be hi-vis orange.	
b	To provide quick, easy use for occupants wearing bunker gear, the female buckle and seat belt webbing length shall meet or exceed the current edition of NFPA 1901 and CAN/ULC - S515 standards.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
c	Electronic seat belt sensors shall be provided at each seating position to indicate that the seat belts are fastened when the seat is occupied. This indication shall be audibly (upon release of parking brake) and visually (at all times) displayed for the driver and officer.	
d	The 3-point shoulder type seat belts shall also include the Ready Reach D-loop assembly to the shoulder belt system. The Ready Reach feature adds an extender arm to the D-loop location placing the D-loop in a closer, easier to reach location	
e	All seating positions furnished with 3-point shoulder type seat belts shall include a height adjustment. This adjustment shall optimize the belts effectiveness and comfort for the seated firefighter.	
20	Radio Compartment	
a	There shall be a waterproof radio compartment located in the cab. The compartment shall be a minimum of twenty inches deep by twelve inches high by fifteen inches wide (20" D x 12" H x 15" W). The location of the radio compartment will be determined at the pre-construction conference.	
b	The compartment shall have a 12-volt positive and negative power lead to power radio equipment through the battery master switch	
c	A drop-down door with a chrome plated lift and turn latch shall be provided for access.	
d	The compartment shall be constructed of smooth aluminum and painted to match the cab interior.	
21	450 MHz Mobile Radio Head	
a	The County shall provide to the successful bidder one (1) Motorola APX8500 mobile radio to be mounted in the cab that shall be accessible to both the driver and officer, mounted in such a manner as to not obstruct the vision of the driver.	
b	There shall be a three foot (3') service loop at each termination point.	
c	The location of the radio shall be determined at the pre-construction conference.	
22	Radio Antennas	
a	There shall be two (2) standard 1.125", 18 thread antenna-mounting base(s) installed one (1) on the left side and one (1) on the right side on the cab roof with high efficiency, low loss, coaxial cable(s) routed to the radio compartment.	
b	The cables shall be labeled at the terminal end to indicate which antenna they are routed to. A weatherproof cap will be installed on the mounts.	
c	The antenna hole shall be closed with a sealed, watertight plug. The exact hole location and diameter for each antenna shall be determined at the pre-construction conference.	
23	Map Book and Portable Radio Chargers	
a	An aluminum map book box, designed and fabricated to hold six (6) four inch (4") loose leaf binders, shall be mounted between the driver and officer riding positions as far to the rear as possible, above the engine cover and positioned so that it is accessible to the officer.	
b	The box cannot obstruct the vision of the driver. The contents shall be properly secured with netting or a positive latching mechanism. The box shall have all horizontal shelves angled at fifteen degrees (15 ⁰) to hold the map books with the front edge raised.	

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c	Four (4) portable radio chargers shall be provided and installed to accommodate Motorola APX 8000 portable radios. Locations to be determined at Pre-construction conference.	
d	The exact design of the map book box and radio holders shall be determined at the pre-construction conference.	
24	Glove Compartment	
a	A self-latching glove box with a hinged, drop-down door shall be installed in the front dash panel in front of the officer's position.	
25	Intercom System	
a	A Firecom 5100D, 5-position intercom system with dual radio interface capability will be provided by the Manufacturer, no exceptions.	
b	The following components will be supplied with this system: <ul style="list-style-type: none"> • One (1) Radio Interface Module (driver) • One (1) Radio Interface Module (officer) • Two (2) Radio Interface Modules (rear cab firefighter) • One (1) Radio Interface Module (command area) • One (1) Wireless Interface Module • One (1) Intercom Unit • One (1) Remote Control head (mounted at the command desk area) • One (1) Power Cable • All necessary cables and connectors 	
c	Six (6) Motorola IMPRES VEHICULAR CHARGER (FULL KIT) portable radio chargers shall be provided and installed to accommodate Motorola APX 8000XE portable radios. Locations to be determined at Pre-construction conference.	
26	Rear Interior Cab Surface	
a	A durable, non-scuff surface shall be provided on the interior of the rear crew cab wall. The height and width of said surface shall cover all exposed surfaces on the rear crew cab wall.	
27	Rear Exterior Cab Surface	
a	The exterior rear wall of the crew cab shall be covered in polished aluminum diamond plate.	
28	Cab roof Reinforcement	
a	The entire crew cab roof shall be properly reinforced to provide a walking surface for fire fighters.	
b	The roof shall be covered with polished diamond plate to the radius of the roof edges.	
29	Drip Rails	
a	Drip rails shall be provided along the entire edge of both side of the cab roof. The drip rails shall be continuously welded to the cab and painted to match the cab.	

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30	Windshield Defrosters and Fans	
a	The defroster ventilation shall be built into the design of the cab ceiling and will be easily removable for maintenance.	
b	The defroster shall have blower and temperature controls accessible to the driver and officer.	
c	The defroster ducts shall be designed to provide maximum defrosting capabilities for the front cab windshield and windows.	
d	Two (2) windshield defroster fans are to be provided. Exact location of fans to be determined at the pre-construction conference.	
31	Windshield Wipers	
a	Two (2) independent sun visors shall be provided. The offeror shall describe the type and location.	
32	Sun Visors	
a	Individual, direct drive, electrically operated windshield wipers with washers and intermittent/delay feature shall be provided.	
33	Dome Lights	
a	There shall be four (4) dual LED dome lights with black bezels provided. <ul style="list-style-type: none"> • Two (2) lights shall be mounted above the inside shoulder of the driver and officer and two • Two (2) lights shall be installed and located, one (1) on each side of the crew cab. 	
b	The color of the LED's shall be red and white.	
c	The white LED's shall be controlled by the door switches and the lens switch.	
d	The color LED's shall be controlled by the lens switch.	
34	Map Lights	
a	A directional light module shall be mounted on the roof between the officer and driver with two directional LED light housings.	
35	Head Light Chargers	
a	Four (4) Orange Streamlight Survivor Division 1 Right Angle Flashlights with 12V DC Fast Chargers shall be provided and installed in locations to be determined at the pre-construction conference.	
36	Back-Up Camera	
a	A full color back-up camera for the rear of the apparatus shall be provided with display screen mounted in the cab in the driver's view. A feature of this camera must be that it can be "on" at all times.	
b	Exact product provided to be presented and approved at the pre-construction conference.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
37	Dash Instrumentation	
a	<p>The following instruments shall be mounted in the dash, grouped so that they are easily removable, backlit and directly accessible to the driver. The successful offeror shall state the manufacturer, type, style and function of all gauges to be provided.</p> <ul style="list-style-type: none"> • Tachometer with engine hour recorder • Engine water temperature gauge • Engine oil pressure gauge • Transmission oil temperature gauge • Fuel gauge • Voltmeter • One air pressure (dual reading) system gauge • One (1) air pressure application gauge • Red warning light for low air pressure • Fast idle switch • Jacobs engine brake control • Heater/defroster control • Left and right electric mirror controls • Headlight - parking light switch • Remote generator "run" light, start, stop and preheat controls (if equipped) 	
38	Open Door/Compartment Warning Light	
a	A large, LED, red flashing indicator light with audible alarm shall be mounted in a position that is easily visible to both the driver and the officer.	
b	This alarm shall be illuminated automatically whenever the battery switch is on and any passenger or equipment door is open.	
c	In addition, this alarm shall sound if any riding position is occupied without a properly secured seat belt.	
d	The alarm shall be controlled by the parking brake, so that it deactivates when the parking brake is set.	
e	A system shall be provided which automatically tests telltale indicator lights and alarms located on the cab instrument panel.	
f	Telltale indicators and alarms shall perform prove-out when the ignition switch is held in the up position for three (3) to five (5) seconds to ensure proper performance.	
39	Control Switches	
a	For ease of use, piloted, control switches shall be provided immediately adjacent to the cab instrument panel within easy reach of the driver.	

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b	<p>All switches shall have backlit labels for low light applications.</p> <ul style="list-style-type: none"> • Fast idle switch, • Jacobs engine brake control, • Heater/defroster control, • Left and right electric mirror controls, • Headlight - parking light switch, • Remote generator "run" light, start, stop and preheat controls (if equipped), • Windshield wiper/washer control • Air horn / horn (for changing function of steering wheel switch function • PTO/Generator 	
40	Emergency Control Switches	
a	<p>For ease of use, piloted, emergency lighting control switches shall be on the top of the “doghouse” within easy reach of the driver. All switches shall have backlit labels for low light visibility. Switches to be black in color, except for the emergency light MASTER which will be red.</p> <p><u>Top Row:</u></p> <ul style="list-style-type: none"> • Master • Siren (Power call) • Front Warning • Side Warning • Rear Warning • Wig-Wag • Opticom <p><u>Bottom Row:</u></p> <ul style="list-style-type: none"> • Siren Brake • Brow Lights • Left Flood • Right Flood • Rear Flood • Tripod Receptacles • Ground Lights 	
b	Two additional 12VDC power feeds with 18 inches of excess loop shall be provided, one at the top of the passenger side of the dash, the other at the center of the command desk. Both will be used to power tablet/lap-top docking station.	
41	Command Center Desk	
a	The back of portion of the cab will be configured to operate as a command post and research center.	
b	An "L" shaped desk top work surface shall be provided in the rear of the cab. The work surface shall extend from the driver's side edge of the engine tunnel to the driver's side of the cab and wrap around the side wall to the rear wall.	
c	The desk top shall be constructed of industrial grade acrylic or composite counter top designed for use in command post vehicles and ambulances. The desk shall be grey in color with a 6” high “back splash” along the side and back wall. The desk surface shall be 30” high when measured from the cab floor.	

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d	The inside corners shall have a smooth radius where the side connects to the front. The outer corners shall have a smooth rounded radius. The outer top edges of the “back splash” shall have smooth, rounded radius corners.	
e	A slide-out drawer approximately 20” wide, 12” long and 3” deep shall be mounted on the underside of the desk. This drawer shall positively lock in the closed position to prevent it from opening during travel.	
f	Two (2) four-gang, 120v group of house outlets, powered by both generator and inverter/shoreline power, will be provided, recessed into the desk, one near the center/back of each section of the desk. Two (2) USB outlets will be adjacent to both 120v gang outlets on the desk for the charging of cell phones.	
42	Overhead Cabinet	
a	An overhead aluminum cabinet shall be provided over the command desk. The cabinet shall be split in two (2) equal sections. The cabinet should be constructed to hold several 3 ring binders stored upright. A four-gang, 120v group of house outlets shall be provided in each cabinet section powered by both generator and inverter/shoreline power.	
b	The cabinet shall have two (2) horizontally hinged lift up doors. Below each door section shall be a recessed light on the underside of the cabinet. The cabinet doors shall have dry erase writing surfaces, with the over-head-cabinets having a spring or mechanical stay to hold the doors in the open position. There shall be radius edging on all exposed corners.	
c	Under cabinet lighting shall be provided to illuminate the desktop surface. The lighting will be dimmable or two-stage LED lights. The light shall be controlled by a switch mounted on the rear wall of the command area.	
P. BODY CONSTRUCTION:		
1	General	
a	The squad body shall be approximately 24’ long. The body shall be built as a separate module prior to being mounted onto the substructure. The body shall be constructed from heavy-duty aluminum and be engineered to last for at least 25 years of use. All horizontal surfaces shall be constructed to be able to be used as a walking surface. The height of the body shall be the same level as the roof of the cab.	
b	There shall be three compartments on each side forward of the rear axle; each will be approximately 52” wide. There shall be one compartment on each side above the rear wheel well; each will be approximately 60” wide. There shall be one compartment on each side to the rear of the axle; each compartment will be approximately 60” wide. Each compartment will be properly vented.	
c	The interior of all body compartments shall be painted with two coats of Armacoat gray coating or an approved equal.	
d	The passenger side of the body shall be utilized to store chemical protective equipment. The driver’s side of the body will be utilized to store tools and equipment used for hazardous materials response. With this in mind, at least 2 of the compartments on the passenger side need to be completely isolated from the driver’s side compartment that are adjacent to them to minimize vapor infiltration into the space.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
e	With the exception of the forward compartments and wheel well compartments on each side, each compartment shall be furnished with one (1) adjustable, stationary shelf, one (1) adjustable, pull out shelf and one (1) slide out tilt down tray. Each wheel well compartment shall be furnished with one adjustable, stationary shelf.	
f	Amdor roll-up doors shall be installed on all side body compartments (no exceptions). These doors shall have a brushed aluminum, anodized satin finish.	ca
g	To enhance the ability to secure the vehicle and its contents, power locks, connected to the cab power lock circuit, shall be installed on all roll up doors.	
h	All standard depth side body compartments shall measure at least 28.00" (711 mm) deep from the outside of the body to the rear compartment wall. The usable depth inside each side body compartment shall be 26.00" (660 mm) deep.	
i	All transverse side body compartments shall have a usable depth of 26.00" (660 mm) at the floor level. These compartments shall extend over the frame rails through to the other side of the body.	
2	Passenger Side Forward Compartment	
a	A false wall shall be constructed to allow for approximately 24 total inches of clearance from the forward compartment wall to the false wall.	
b	A pull out tool board (for storing long tools) shall be installed on the right side of the compartment, centered between the false and compartment wall.	
c	The left side of the false wall shall be constructed to hold one (1) adjustable, stationary shelf, one (1) adjustable, pull out shelf and one (1) adjustable pull out, tilt down shelf. This can be adjusted to the compartment forward of the rear wheels if required due to off load tank engineering.	
3	Driver Side Forward Compartment	
a	A false wall shall be constructed to allow for approximately 24 total inches of clearance from the forward compartment wall to the false wall.	
b	A pull out tool board (for storing 6- 60 minute SCBA harnesses) shall be installed on the right side of the compartment, centered between the false and compartment wall.	
c	The left side of the false wall shall be constructed to hold one (1) adjustable, stationary shelf, one (1) adjustable, pull out shelf and one (1) adjustable pull out, tilt down shelf. Storage for six (6) 60 minute spare SCBA cylinders shall be provided in this compartment. Can be adjusted to the compartment forward of the rear wheels if required due to off load tank engineering.	
4	Rear Compartment	
a	A roll-up door shall be installed on the rear compartment that is an anodized satin finish. The door will be double faced aluminum construction. This door will also be equipped power locks connected to the cab power lock circuit.	
b	The compartment shall be sized to hold bulky items such as 85 gallon over pack drums (44" high, 34" diameter, 55 gallon drums (34" High, 24" Diameter) etc.	
c	The compartment shall be capable of holding 1,000 pounds (454 kg). The area over the frame rails shall be capable of holding an additional 2,000 pounds (908 kg).	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL Y HAZMAT UNIT		Remarks / Exceptions
d	A tray shall be installed to assist in reaching and removing the items stored in the rear compartment on top of the frame rail area. The tray shall have a high weight capacity to support the stored equipment when the tray is stowed and deployed. The Lower portion should not have any floor mounted trays installed	
5	Other Side Compartments	
a	With the exception of the forward compartments and wheel well compartments on each side, each compartment shall be furnished with one (1) adjustable, stationary shelf, one (1) adjustable, pull out shelf, and one (1) slide out tilt down tray. Each wheel well compartment shall be furnished with one adjustable, stationary shelf.	
Q. ROOF DESIGN		
1	General	
a	The roof of the body shall be configured with side hatch (coffin) compartments, a recessed walkway, and a recessed area for mounting equipment. The recessed area shall be located at the front of the body. The side hatch compartments and the recessed walkway will be located	
b	The side hatch (coffin) compartments shall run the length of the body on both sides from the rear up to the recessed area. The side hatch compartments shall be provided in the following configuration: <ul style="list-style-type: none"> • There shall be one (1) hatch compartment approximately 10' long, on each side of the roof, constructed of diamond plate, capable of serving as a walking surface. • Each compartment shall be properly vented. • Each compartment shall have latches to secure the doors in the closed position, and piston on either end to hold the hatch in the open position. • Each compartment hatch shall be water tight • Each compartment shall be able to be opened by a single person. • These hatched compartments shall have interior LED lights that activate when the hatch is opened. 	
c	The recessed walkway shall be centered between the hatch compartments, running the length of the body up to the full width, recessed area at the front of the squad body.	
d	Grab rails shall be provide on the roof to facilitate transition from the access ladder to the walkway. Location to be determined at pre-construction conference.	
2	Recessed Area of the Roof	
a	The recessed area shall be sized appropriately in order to allow proper mounting space and clearance for all roof mounted equipment where the designated mounting location is the recess on the roof of the body. The maximum allowable depth of the recessed area shall be equal to the depth of the recessed walkway. The recess shall be configured so that whenever possible, items mounted in the recess shall stow below the roof line of the body. If a piece of equipment is taller than the maximum depth of the recess, that item may protrude above the roof line.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
b	The recessed area shall have drain holes that shall be routed to drain below the body. A 1.00" (25 mm) diameter drain shall be provided on the floor of each compartment. The drains shall be routed to drain below the body.	
c	LED lights shall be installed in the walkway to illuminate the walking surface. These lights shall be controlled with a recessed switch mounted on the rear of the body in the area of the access ladder.	
d	All compartment doors shall be designed to hinge on the outboard side and shall be held open with gas cylinder struts or mechanical stays.	
e	The outside walls of the compartments shall be a double wall design to prevent equipment from denting the outside painted surface.	
3	Rear Bumper	
a	A rear bumper shall be provided that is an integral part of the rear body substructure.	
b	The bumper shall have an aluminum tread plate deck mounted to the frame providing a stepping surface.	
c	The bumper shall be approximately 13.00" deep x 90.00" wide. A kick plate shall be provided above the bumper extending up on the rear bulkheads approximately 3.00"	
4	Tow Eyes	
a	Two (2) rear painted tow eyes shall be located at the rear of the apparatus and shall be mounted directly to the chassis frame rails. They shall be painted to match the lower portion of the cab/body. The inner and outer edges of the tow eyes shall have a radius.	
5	Compartment Lighting	
a	All compartments shall be illuminated with LED compartment light strips, unless the physical constraints of the compartment prevent their installation. The strips shall be centered vertically along each side of the door framing. Any alternative lights used shall also be LED.	
b	Opening the compartment door shall automatically turn the compartment lighting on.	
6	Rub Rail	
a	Opening the compartment door shall automatically turn the compartment lighting on. The rub rails shall not be an integral part of the body construction, which allows replacement in the event of damage.	
b	The bottom edge of the body shall be trimmed with black molded rubber bumper guards approximately 3.00 inches in height. Red, LED flashers shall be recessed into the guard on either side of the apparatus. On either side, one flasher shall be under the forward-most, side compartment, and another beneath the rear-most side compartment.	
7	Fire Extinguisher Storage	
a	A total of three (3) compartments shall be provided and located one on driver side forward axle and two on the passenger side wheel wells.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
b	The compartments shall be designed and constructed to hold the following manufacturer supplied extinguisher: <ul style="list-style-type: none"> • One (1) 2.5 gallon pressurized water extinguisher • One (1) 20 pound ABC extinguisher • One (1) 20 pound Class D extinguisher 	
c	The flooring shall be rubber lined and have a drain hole. A stainless steel door with a chrome-plated latch shall be provided to contain the extinguisher. A dielectric barrier shall be provided between the door hinge, hinge fasteners and the body sheet metal.	
8	Body Fender Crowns	
a	Rubber fender crowns shall be provided around the rear wheel openings.	
b	A rubber welting shall be installed between the body and the crown to seal the seam and restrict moisture from entering.	
9	Access Ladder	
a	A wide easy climbing access ladder, constructed of aluminum rungs and extruded aluminum rails, shall be provided at the rear of the apparatus. The inside climbing area of the ladder shall be at least 13.75" wide. Location of the access ladder to be determined at pre-construction conference.	
b	The lower section of the ladder shall be retractable into the upper section to eliminate interference with the rear FMVSS lights. When lowered the bottom rung shall be lower than the body, approximately 16.00" to 20.00" from the ground to allow a lower first step height.	
c	The ladder shall be slanted when in use for easy access, and fold against the body for storage to reduce the overall length. Corrosion resistant, stainless steel spring-loaded locks will hold the ladder in place.	
10	Hydrocarbon Offload Tank	
a	A tank shall be installed for the purpose of holding non-flammable hydrocarbons (diesel and fuel oil) off loaded from hazardous materials incidents	
b	The tank shall have the following characteristics: <ul style="list-style-type: none"> • Minimum capacity of 250 gallons • Vented to ground to prevent spillage in unit • Have a tank fluid level gauge easily seen from ground on right side of truck • Constructed of materials compatible with diesel fuel • Non-baffled for ease of cleaning • Be easily removed if needed • Have (1) 2: NPT outlet • Tank shall "float" in cradle to avoid torsional stress caused by chassis frame flexing. Rubber cushions shall be placed on all horizontal surfaces that the tank rests on. 	
c	The compartment area that the tank is installed shall be coated in a black, Line-X type coating.	
d	Stops or other provision shall be provided to prevent an empty tank from bouncing excessively while moving vehicle	
e	Mounting system shall be approved by the tank manufacturer.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
	f	Location of the offload tank TBD at pre-construction conference.
11	Hydrocarbon Offload System	
	a	ARO Ingersoll-Rand Model 666610A-322-C pump supplied by manufacturer, shall be mounted in a location TBD at the pre-construction conference, no exceptions.
	b	All plumbing connections to pump shall be 1" camlock fittings with male fitting on pump
	c	The pump shall be plumbed in such a way through use of a 4-way ball valve (Double - L flow pattern) or similar device to allow for pumping from hose reel to tank and from tank to hose reel.
	d	The pump shall be mounted on a removable base for ease of maintenance and in case the pump is needed for a stand-alone operation in a remote location. The manufacturer shall supply a second base so as to allow for a future backup pump.
	e	The manufacturer shall provide one Reelcraft Model EA37118L12D or approved equal motorized hose reel with 100' of back hose, one-inch (1") hose mounted in the right, rear-most compartment. This hose reel shall be plumbed to the pump.
	f	To facilitate safe fluid transfer operations, a grounding wire reel shall be installed at a location to be determined at the pre-build engineering meeting.
R. RECESSED RETRACTABLE AWNING		
1	General	
	a	An electrically opening and closing white awning with 120 volt electric motor shall be supplied. The awning shall be stored in a metal enclosure on the driver's side of the body with end fairings for blending into the side of the body when not in use. The awning enclosure shall be painted white.
	b	A switch shall be provided for easy push button convenience inside an adjacent forward compartment. A manual crank shall be provided in the event of a power failure. A sensor shall be provided to retract the awning automatically in high wind conditions.
	c	The awning shall span the full length of the body or a maximum of 22' 11.00". The awning shall extend out 8' from the body. When fully extended, the awning shall be self-supported without the use of poles extending to the ground.
	d	The awning shall activate the Do Not Move Truck indicator circuit to alert the cab occupant(s) that the awning is not in the stowed position when the parking brake is released.
	e	There shall be a recess provided in the side of the body to mount an awning. The awning housing shall mount inside the recess and shall not protrude past the side of the body. Recessing the awning shall not interfere with the operation of the awning.
S. EMERGENCY WARNING LIGHTS AND SIREN:		
1	General	
	a	All optical and audible warning devices shall be individually switched to isolate any failed device without impact on any other device.

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
b	All emergency warning devices shall be routed through a single emergency master switch, to permit one switch activation and deactivation of warning devices.	
c	All emergency lighting shall be NFPA compliant utilizing the latest generation light emitting diode (LED) package for fire apparatus, for all warning zones.	
d	All warning devices and switches shall include adequate labeling at the control switch(s) of the device.	
e	The manufacturer shall provide details of the warning light package with its bid submission, including the total amperage draw with all lights activated.	
f	Unless otherwise specified, all emergency lighting shall be recessed mounted in the manufacturer's chrome bezel.	
2	Zone A	
a	There shall be one (1) 72.00" Whelen Freedom IV LED light bar mounted on the cab roof no exceptions .	
b	<p>The light bar shall include the following:</p> <ul style="list-style-type: none"> • One (1) red flashing LED module in the driver's side end position. • One (1) red flashing LED module in the driver's side front corner position. • One (1) red flashing LED module in the driver's side first front position. • One (1) red flashing LED module in the driver's side second front position. • One (1) white flashing LED module in the driver's side third front position. • One (1) red flashing LED module in the driver's side fourth front position. • One (1) red flashing LED module in the driver's side fifth front position. • One (1) 795 LED traffic light preemption controller set to national standard high priority in the center positions. (Compliant to Maryland State Highway Authority specifications) • One (1) red flashing LED module in the passenger's side fifth front position. • One (1) red flashing LED module in the passenger's side fourth front position. • One (1) white flashing LED module in the passenger's side third front position. • One (1) red flashing LED module in the passenger's side second front position. • One (1) red flashing LED module in the passenger's side first front position. • One (1) red flashing LED module in the passenger's side front corner 	
c	There shall be clear lenses included on the light bar.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
d	The following switches shall be installed in the cab on the switch panel to control the light bar: <ul style="list-style-type: none"> • A switch to control the flashing LED modules. • The traffic light preemption device will be activated with the roof light switch. 	
e	The two (2) white flashing LED modules and traffic preemption device shall be disabled when the parking brake is applied.	
f	The eight (8) red flashing LED modules in the front positions shall be load managed when the parking brake is applied.	
g	Two (2) rectangular, four inch by six inch (4"x6") latest generation LED lights; one (1) red, one (1) white per side are to be furnished and flush mounted in the cab face, facing forward. Red lights shall be mounted to the outside, white lights mounted to the inside.	
h	Furnish one (1) Federal ® mechanical Q2B™ siren, recessed in the left side of the front bumper with a stainless steel or chrome protective shield no exceptions .	
i	The siren shall be properly supported using the bumper framework.	
j	Siren shall be controlled via clam-style switches mounted on angled foot plates, one (1) each in the drivers and officers position.	
k	A siren brake button shall be installed on the switch panel.	
l	Exact location of the clam-style switches to be determined at the pre-construction conference.	
m	One (1) Power Call ® electronic siren is to be furnished no exceptions . The siren controls shall be a rocker switch located in the middle of the cab so that the driver and officer have access to it. Exact mounting locations of the siren controls to be determined at the pre-construction conference.	
n	The siren audio shall be routed through one (1) 100-watt speaker that is to be recessed mounted in the front bumper of the apparatus	
o	Two (2) Grover stutter tone chrome plated air horns shall be furnished and installed, recessed in the front bumper symmetrically spaced.	
p	The horn system shall be piped to the air brake system wet tank utilizing 0.38" tubing.	
q	A pressure protection valve shall be installed in-line to prevent loss of air in the air brake system.	
r	Air horns shall be controlled via clam style switches mounted on angled foot plates, one (1) each in the driver's and officer's position and a single ceiling mounted switch activated by pulling on one of two horizontally suspended chains; one angle toward the driver, one angled toward the officer. Exact location of all switches and chains to be determined at the pre-construction conference.	
s	The driver shall also have the option to control the air horns or the chassis horns from the steering wheel horn button by means of a selector switch located on the instrument panel.	
t	A shutoff valve is to be provided for each air horn airline. Location of shut off valves to be determined at the pre-construction conference.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
u	The air supply for the air horns shall come from one (1) of the reserve air tanks, plumbed so as to not interfere with the braking system.	
v	The air horns shall be located on each side of the bumper, towards the outside.	
3	Zone B & D	
a	A total of ten (10) recessed, four inch by six inch (4"x6"), red and white latest generation LED lights shall be installed in the following locations: <ul style="list-style-type: none"> • On the right and left sides of the front bumper extensions. • On the right and left sides just above the front wheel well. • On the right and left sides just above the rear wheel well. • On the right and left sides of the body at the front upper corners of the body. • On the right and left sides of the body at the rear, upper corners of the body. 	
4	Zone C	
a	Four (4) recessed, four inch by six inch (4"x6"), programmable red and amber latest generation LED lights shall be installed in Zone C, two (2) as high as practical and two (2) as low as practical on the left and right rear compartment walls. Exact location for the placement of these lights to be determined at the pre-construction conference.	
5	Traffic Directing Light	
a	This traffic directing light shall be surface mounted over the rear body compartment door, at the rear of the apparatus as high as practical.	
b	The traffic directing light control head shall be recessed above the driver's position.	
c	The auxiliary warning mode shall be activated with the control head only.	
T. 120/240 VAC ELECTRICAL SYSTEM		
1	General	
a	Any fixed line voltage power source producing alternating current (ac) line voltage shall produce electric power at 60 cycles plus or minus 3 cycles.	
b	Except where superseded by the requirements of NFPA 1901, all components, equipment and installation procedures shall conform to NFPA 70, National Electrical Code (herein referred to as the NEC)	
c	Line voltage electrical system equipment and materials included on the apparatus shall be listed and installed in accordance with the manufacturer's instructions. All products shall be used only in the manner for which they have been listed.	
2	Grounding	
a	Grounding shall be in accordance with Section 250-6 "Portable and Vehicle Mounted Generators" of the NEC. Ungrounded systems shall not be used. Only stranded or braided copper conductors will be used for grounding and bonding	
b	An equipment grounding means shall be provided in accordance with Section 250-91 (Grounding Conductor Material) of the NEC.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
c	The grounded current carrying conductor (neutral) shall be insulated from the equipment grounding conductors and from the equipment enclosures and other grounded parts. The neutral conductor shall be colored white or gray in accordance with Section 200-6 (Means of Identifying Grounding Conductors) of the NEC.	
d	In addition to the bonding required for the low voltage return current, each body and driving or crew compartment enclosure shall be bonded to the vehicle frame by a copper conductor. This conductor shall have a minimum amperage rating of 115 percent of the nameplate current rating of the power source specification label as defined in Section 310-15 (amp capacities) of the NEC. A single conductor properly sized to meet the low voltage and line voltage requirements shall be permitted to be used.	
e	All power source system mechanical and electrical components shall be sized to support the continuous duty nameplate rating of the power source.	
3	Operation	
a	Instructions that provide the operator with the essential power source operating instructions, including the power-up and power-down sequence, shall be permanently attached to the apparatus at any point where such operations can take place.	
b	Provisions shall be made for quickly and easily placing the power source into operation. The control shall be marked to indicate when it is correctly positioned for power source operation. Any control device used in the drive train shall be equipped with a means to prevent the unintentional movement of the control device from its set position.	
c	A power source specification label shall be permanently attached to the apparatus near the operator's control station. The label shall provide the operator with the information detailed in Figure 19-4.10.	
d	Direct drive (PTO) and portable generator installations shall comply with Article 445 (Generators) of the NEC.	
e	To facilitate the continuous electrical supply to command area components, an automatic transfer switch shall be installed to switch between shoreline/inverter supply and generator power. If possible, the battery charger/inverter should be programmed to shut off once the generator is up to full power capacity.	
4	Overcurrent Protection	
a	The conductors used in the power supply assembly between the output terminals of the power source and the main over current protection device shall not exceed 144.00" (3,658 mm) in length.	
b	Fixed power supplies - all conductors in the power supply assembly shall be type THHW, THW, or use stranded conductors enclosed in nonmetallic liquid tight flexible conduit rated for a minimum of 194 degree Fahrenheit (90 degrees Celsius).	
c	Portable power supplies, conductors located between the power source and the line side of the main overcurrent protection device shall be type SO or type SEO with suffix WA flexible cord rated for 600-volts at 194 degrees Fahrenheit (90 degrees Celsius).	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
5	Wiring Methods	
a	Fixed wiring systems shall be limited to the following: <ul style="list-style-type: none"> • Metallic or nonmetallic liquid tight flexible conduit rated at not less than 194 degrees Fahrenheit (90 degrees Celsius) or • Type SO or Type SEO cord with a WA suffix, rated at 600 volts at not less than 194 degrees Fahrenheit (90 degrees Celsius) 	
b	Electrical cord or conduit shall not be attached to chassis suspension components, water or fuel lines, air or air brake lines, fire pump piping, hydraulic lines, exhaust system components, or low voltage wiring. In addition the wiring will be run as follows. <ul style="list-style-type: none"> • Separated by a minimum of 12.00" (305 mm), or properly shielded, from exhaust piping • Separated from fuel lines by a minimum of 6.00" (152 mm) distance 	
c	Electrical cord or conduit shall be supported within 6.00" (152 mm) of any junction box and at a minimum of every 24.00" (610 mm) of continuous run. Supports shall be made of nonmetallic materials or corrosion protected metal. All supports shall be of a design that does not cut or abrade the conduit or cable and shall be mechanically fastened to the vehicle.	
6	Wiring Identification	
a	All line voltage conductors located in the main panel board shall be individually and permanently identified. The identification shall reference the wiring schematic or indicate the final termination point. When prewiring for future power sources or devices, the unterminated ends shall be labeled showing function and wire size.	
7	Receptacle Listing	
a	All receptacles and electrical inlet devices shall be listed to UL 498, Standard for Safety Attachment Plugs and Receptacles, or other appropriate performance standards. Receptacles used for direct current voltages shall be rated for the appropriate service.	
8	Wet Receptacle Location	
a	All wet location receptacle outlets and inlet devices, including those on hardwired remote power distribution boxes, shall be of the grounding type provided with a wet location cover and installed in accordance with Section 210-7 "Receptacles and Cord Connections" of the NEC	
b	All receptacles located in a wet location shall be not less than 24.00" (610 mm) from the ground. Receptacles on off-road vehicles shall be a minimum of 30.00" (762 mm) from the ground.	
c	The face of any wet location receptacle shall be installed in a plane from vertical to not more than 45 degrees off vertical. No receptacle shall be installed in a face up position.	
9	Dry Receptacle Locations	
a	All receptacles located in a dry location shall be of the grounding type. Receptacles shall be not less than 30.00" (762 mm) above the interior floor height.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
b	All receptacles shall be marked with the type of line voltage (120-volts or 240-volts) and the current rating in amps. If the receptacles are direct current, or other than single phase, they shall be so marked.	
10	Onan35Kw Single Phase Generator	
a	The apparatus shall be equipped with a complete electrical power system. The wiring and generator installation shall conform to the present National Electrical Code Standards of the National Fire Protection Association. The installation shall be designed for continuous operation without overheating and undue stress on the components.	
b	The generator shall be a single phase, four (4)-wire, Onan 35kW driven by a transmission "power takeoff" attached to the side of the transmission, no exceptions.	
c	Generator performance shall meet the American National Standards Institute (ANSI) C84.1-1982 voltage requirement as utilized from the receptacle.	
d	Generator will have a built in automatic voltage control.	
e	Generator shall have a NEMA MG21 rating. <ul style="list-style-type: none"> • Continuous Duty Rating: 35,000 watts • Phase: Single • Nominal Cycles: 60 hertz • Nominal Amp Rating: 145 at 240-volts • Engine Speed at Engagement: Idle • Engine Speed Engaged: 1100/1400 rpm range • Generator RPM: 1800 rpm 	
f	The output of the generator shall be controlled by an electronic governor. The truck engine shall be programmed so the generator's output is at 60 hertz.	
g	The main chassis transmission PTO shall power the generator. A stainless steel splash guard shall be installed to reduce the amount of road spray on this frame-mounted generator.	
h	The generator shall be operable in the stationary mode with a shift control located inside the cab with an indicator light to note engagement. For safety, the automatic high idle shall be activated through interlocks only after the chassis parking brake control is in the park position, the generator PTO transmission has made a complete shift and the truck transmission is in neutral.	
i	An electric/hydraulic valve shall supply hydraulic fluid to the clutch engagement unit provided on the chassis PTO drive.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
j	<p>To properly monitor the generator performance and load demands during operation, the generator shall be equipped with a full instrument and control package. This panel shall be mounted adjacent to the load center. The following instruments shall be installed in the panel:</p> <ul style="list-style-type: none"> • One (1) Voltmeter • Two (2) Ammeters • One (1) Frequency Meter • One (1) Hour Meter • One (1) "Power On" Green Indicator Light • One (1) PTO Engagement Indicator Light • Two (2) Fuse Holders: With two (2) amp fuses for gauge protection 	
k	The meter and indicators shall be installed near eye level in the compartment. Instruments shall be flush mounted in an appropriate sized weatherproof electrical enclosure. All instruments used shall be accurate within +/- two (2) percent.	
l	The system shall be installed by highly qualified electrical technicians to assure the required level of safety and protection to the fire apparatus operators. The wiring, electrical fixtures and components shall be to the highest industry quality standards available on the domestic market. The equipment shall be the type designed for mobile installations subject to vibration, moisture and severe continuous usage.	
m	All electrical wiring from the load center shall be fine stranded copper S.O. type with a 600 volt jacket. The wire shall be sized to the load and circuit breaker rating. The wire size shall be ten (10)-gauge on 30 amp circuits, 12-gauge on 20 amp circuits and 14-gauge on 15 amp circuits. The S.O. cable shall be run in corner areas and extruded aluminum pathways built into the body for easy access. Any S.O. cord not run in an enclosed raceway or cable tray shall have an additional abrasion resistant covering.	
n	The main load center shall have circuit breakers rated to load demand.	
o	Individual breakers shall be provided for all receptacles to isolate a tripped breaker from affecting any other on-line equipment.	
p	The generator shall be mounted under the body between the frame rails.	
q	There shall be a switch provided on the cab instrument panel and in the driver's side first compartment to engage the generator.	
r	The circuit breaker panel shall be located high on the forward wall of compartment the forward driver's side compartment.	
11	Electric Cord Reels	
a	Furnished with the 120-volt AC electrical system will be two (2) cord reels. These reels shall be provided with a 12-volt electric rewind switch that is guarded to prevent accidental operation and labeled for its intended use. The switch shall be protected with a fuse and installed at a height not to exceed 72.00" above the operators standing position.	
b	The reels shall be capable holding 10/3, 600-volt cable (200 feet each).	
c	The exterior finish of the reel(s) shall be powder coated silver from the reel manufacturer.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
d	A captive roller assembly to be provided to aid in the payout and loading of the reel. A ball stop shall be provided to prevent the cord from being wound on the reel.	
e	A label shall be provided in a readily visible location adjacent to the reel. The label shall indicate current rating, current type, phase, voltage and total cable length.	
f	A total of two (2) cord reels shall be provided one (1) forward in the driver's side hatch compartment and one (1) forward in the passenger's side hatch compartment.	
g	Each cord reel shall be configured with three (3) conductors.	
h	Provided for electric distribution shall be two (2) lengths, one (1) for each reel, of 200 feet of black 10/3 electrical cord. A L5-30, 30 amp, 120 volt, twist lock connector body shall be installed on the end of the cord.	
12	Portable Junction Boxes	
a	There shall be a total of two (2) electrical junction boxes, listed for use in wet locations and provided with light to indicate power on. Each box shall be designed to keep the exterior electrical components above 2.00" of standing water, protected from corrosion, and capable of being carried with a gloved hand.	
b	There shall be a cable strain relief and a 1.00' pigtail, NEMA L5-30, 30 amp, 120 volt twist lock plug and boot provided for each box.	
c	Each Akron Brass, EJBX Series, box shall be provided with the following receptacles, no exceptions : <ul style="list-style-type: none"> • One (1) 120 vac, 20 amp single straight blade duplex receptacles (GFI if the assigned circuit breaker is not a GFI) • Three (3) 120 vac, L5-20 twist lock receptacles 	
d	There shall be an aluminum junction box holder installed adjacent to the cord reel. A total of two (2) shall be mounted adjacent to the cord reel in location TBD at the pre-build engineering meeting.	
13	120-Volt Receptacles	
a	There will be one (1), L5-20, 20 amp 120 volt AC with interior plate(s) installed in the forward and aft compartments on both the driver's and officer's side for a total of four (4) receptacles.	
b	There shall be two (2) 20 amp, 120 volt AC three (3) wire receptacles with exterior plates installed on the rear of the body. These receptacles shall be installed near the mounting location for the tripod lights.	
c	The NEMA configuration for the receptacles shall be 5-20R.	
d	The receptacle(s) will be powered from the generator.	
e	There shall be a label installed near the receptacle(s) that state the following: <ul style="list-style-type: none"> • Line Voltage • Current Rating (amps) • Phase • Frequency • Power Source 	
14	220/240 Volt Receptacle	
a	A 220/240 volt, 50 amp receptacle shall be installed in the passenger side forward compartment.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
15	Tripod Lights	
a	Two (2) FRC Spectra, SPA600-K20 tripod lights shall be furnished and installed on the rear of body with appropriate mounting brackets specifically designed for the lights, exact location TBD at pre-construction conference, no exceptions.	
U. AIR TOOL SYSTEM		
1	General	
a	A compressor shall be provided for use as an air supply for air tools. The system components shall be mounted in locations that are accessible but out of the compartment storage areas. The complete tool air system, including compressor and air tank shall be capable of supplying the following air demands. <ul style="list-style-type: none"> • Capable of running air drill requiring 25 CFM @ 100 psi min. • Capable of running a RO Ingersoll-Rand Model 666610A-322-C pump (hydrocarbon offload pump) pumping 15 GPM with 10' of lift. • Minimum cut in pressure of 120 psi 	
b	A control panel shall be installed to manage the air system. The panel shall be mounted in a location TBD at the pre-build engineering meeting. The control panel shall have the following characteristics: <ul style="list-style-type: none"> • Be plumbed to allow for operation from chassis air brake system or Tool Air Compressor • Have a selector valve to choose which air supply is being used. • Have gauges to indicate incoming air pressure • Have a regulator with a range of 0-max pressure of air system and flow greater than 25 CFM @ 100psi • Have a gauge to indicate regulated pressure • Have valves to shut off air supply to external supplies, such as individual reel or off load system. 	
c	Two (2) recessed, electric rewind air reels with 150 feet of 1/2" high quality hose with a burst pressure higher than the maximum air system pressure.	
d	The air reels shall be supplied from the air system control panel and have shut off valves installed on or near the reel. The hose shall go through a captive roller to act as a guide. A mounting bracket shall be installed on the adjacent compartment wall to secure the hose end when not in use.	
V. PAINT & FINISH, LETTERING and STRIPING		
1	General	
a	The lower portion of the cab, up to a point approximately 2 inches below the bottom of the cab door window, shall be painted dark red. The upper portion of the cab shall be painted Sikkens Autocoat white or approved equal. The body shall be painted Sikkens Autocoat dark red or approved equal. The exact break between colors to be determined at pre-construction conference. Exact paint colors/shades to be discussed and determined during the pre-construction conference.	
b	The body and exterior of the compartments shall be painted Sikkens Autocoat or approved equal dark red or approved equal.	
c	All paint finishes are to be of the type that requires primer or primer surface undercoats and are to be applied, as per the paint manufacturer's recommended procedures.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
d	All metal body and frame parts shall receive primer and finish coats prior to assembly to ensure maximum protection.	
e	The final coat of polyurethane paint shall be an additional "clear coat" and is to be highly polished to a glossy smooth finish.	
f	All metal surfaces shall be properly cleaned and etched prior to application of the undercoats.	
g	All surfaces receiving weather-stripping shall be likewise finish painted prior to assembly.	
h	All surfaces shall be cleaned and prime coated in accordance with the recommended procedures of the paint manufacturer.	
2	Chassis Painting	
a	All steering components, axles, springs and drive shafts shall be painted the black, before installation of the engine and transmission assembly, air brake lines, electrical wire harnesses, etc.	
3	Compartment Interior Painting	
a	The compartment interiors shall be painted with Armacoat gray finish for ease of cleaning and to make it easier to touch up scratches and nicks.	
4	Striping	
a	The lettering shall be totally encapsulated between two (2) layers of clear vinyl.	
b	The following six inch (6") stripe scheme shall be provided and hereinafter referred to as the Washington County Striping Scheme: Six inch (6") 3M® Scotchlign™ or approved equal white, reflective band. Cab: The 6" band shall start at the front grille and be parallel to the ground, passing at a height approximately 3" above the bottom edges of the barrier-style crew cab doors, and terminating at the exterior diamond-plate rear wall of the cab. Body: The 6" band shall start at the front of the front-most compartment at a height in-line with the band on the cab, and continue parallel to the rub rail, terminating at the point where the rear chevron meets at the corner of the rear compartments.	
c	3/4" gold pinstripe shall break the paint line between the white and red paint on the cab.	
d	Wheels are to be painted dark red, to match the cab.	
e	Exact configuration of the Washington County Striping scheme shall be determined at the pre-construction conference.	
5	Lettering	
a	The manufacturer shall provide Elephant font, gold reflective lettering outlined in black.	
b	The manufacturer shall provide appropriately sized letters and numbers to fit the available spaces and perform the following functions: <ul style="list-style-type: none"> • HAZMAT on both sides of the rear cab doors; • WASHINGTON COUNTY on both front cab doors encircling the departmental emblem. • SPECIAL OPERATIONS centered along both sides of the upper portion of the body, above compartment doors 	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
c	The successful offeror shall provide Palatino Linotype Bold font, white reflective lettering up to eight (8) characters.	
d	It is the intent of this specification to provide appropriately sized letters and numbers to fit the available spaces and perform the “20” on both sides of the rear cab door centered under the word HAZMAT.	
e	The exact configuration to be determined at the pre-construction conference.	
6	Rear Chevron	
a	There shall be alternating chevron striping located on the rear-facing vertical surfaces of the body.	
b	The colors shall be red and fluorescent yellow green 3M Scotchlite diamond grade.	
c	Each stripe shall be 6.00" in width.	
d	The apparatus shall meet or exceed the requirements of the current edition of NFPA 1901, which states that 50% of the rear surface shall be covered with chevron striping.	
e	The exact configuration to be determined at the pre-construction conference.	
W. LOOSE EQUIPMENT		
1	To be provided by the Manufacturer	
a	<p>The following equipment shall be furnished with the completed unit:</p> <ul style="list-style-type: none"> • One (1) bag of chrome, stainless steel, or cadmium plated screws, nuts, bolts and washers, as used in the construction of the unit. • One (1) 2.5 gallon, pressurized water extinguisher (Identified earlier in this spec) • One (1) ABC, dry chemical portable fire extinguisher with a minimum 80-B:C (Identified earlier in this spec) • One (1) 20 pound Class D fire extinguisher (Identified earlier in this spec) • One (1) CO2 fire extinguisher 	
b	<ul style="list-style-type: none"> • Four (4) Streamlite Survivor LED Lights (Identified earlier in this spec) • Four (4) Streamlite Vulcan LED Lights (Identified earlier in this spec) 	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
2	To be provided by Washington County	
a.	<p>The following loose equipment as outlined in NFPA 1901, 2009 edition, section 10.5.1 shall be provided by Washington County. All loose equipment shall be installed on the apparatus before placed in emergency service, unless the fire department waives NFPA section 4.21.</p> <ul style="list-style-type: none"> • One (1) first aid kit. • One (1) traffic vest for each seating position, each vest to comply with ANSI/ISEA 207, <i>Standard for High Visibility Public Safety Vests</i>, and have a five-point breakaway feature that includes two at the shoulders, two at the sides, and one at the front. • Five (5) fluorescent orange traffic cones not less than 28" (711 mm) in height, each equipped with a 6". (152 mm) retro-reflective white band no more than 4" (152 mm) from the top of the cone, and an additional 4" (102 mm) retro-reflective white band 2" (51 mm) below the 6" (152 mm) band. • Five (5) illuminated warning devices such as highway flares, unless the five fluorescent orange traffic cones have illuminating capabilities. • One automatic external defibrillator (AED). 	
X. OPTIONED EQUIPMENT		
1	General	
a	The offeror shall provide a list of separate prices for the options listed	
2	Portable Winch Receiver	
a	A 9,500 pound capacity, portable, electric winch, similar to the Warn 9.5cti Multi-Mount winch with synthetic winch rope (supplied by the manufacturer), shall be stored at the bumper receiver location. The receiver shall be recessed to keep the extended bumper length as short as possible to enhance the unit maneuverability.	
b	Electric power provisions shall be furnished for the portable winch from the chassis battery system. The receiver plugs shall be mounted in proximity to each receiver within the reach of the power lead connected to the portable winch.	
3	Hitch Receivers (3)	
a	One (1) hitch receiver installed under the body at the rear. The hitch receiver shall have a Class IV rating of 10,000 lb towing and 1000 lb tongue weight when used with a weight distributing hitch assembly. The rear hitch receiver shall be capable of retaining a portable winch with a rating of no more than 9,500 lb.	
b	One (1) hitch receiver installed under the body behind the rear wheels on each side of the body.	
c	Each hitch receiver shall be capable of retaining a removable winch with a rating of no more than 9,500 lb. Each receiver has been tested to provide a 2:1 straight line pull no-yield safety factor over the 9,500 lb maximum load rating of the removable winch.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
4	Rope Anchors	
a	Two (2) pairs of chrome plated steel eyebolts installed on the body to serve as rope anchor points. Each anchor shall have an inside diameter of 2.00" (51 mm) and shall be supported to provide a maximum of 9,000 lb (4,082 kg) no-yield condition with a straight line pull.	
b	Each pair of anchors shall be installed in the following locations: <ul style="list-style-type: none"> • One (1) on each side of the body in the upper corners at the front of the body • One (1) on each side of the body facing the rear in the upper corners of the body 	
c	Stainless steel scuffplates shall be provided behind each anchor point.	
5	Video/Light Tower	
a	One (1) Will-Burt Night Scan Powerlite 4.5 with 6 FRC Spectra Max S LED lighthoods installed on the roof of the body.	
b	The corded controller shall be mounted in the driver's side, forward compartment	
c	A Silent Sentinel Oculus TI HD dual camera system shall be mounted on top of the light mast. The monitor and controller for the camera shall be installed in the command desk area of the cab.	
d	A self-contained 12 volt flood light shall be provided on the light tower. The light shall turn on automatically when the tower is raised and turn off when the tower is lowered.	
e	A "Do Not Move Truck" warning indicator will activate in the cab when the mast is out of the nested position.	
6	Latest Generation Safety Features	
a	It is the intent of this specification to provide Washington County fire fighters with the highest quality, safest, most durable and most reliable Fire-Rescue-EMS vehicle available during the term of this contract.	
b	To achieve this goal, the offeror may provide as an option(s) in its bid submission any feature(s) that will individually or collectively: <ul style="list-style-type: none"> • Enhance fire fighter safety and comfort, • Reduce fire fighter injuries and improve fire fighter survivability, • Improve driver visibility and collision avoidance, • Prevent a collision or rollover, or minimize the potential from an apparatus collision or rollover, • Provide for improved location and mounting of the required complement of computers, radios, warning devices and communications gear necessary to perform daily functions, • Improve stowage of personal protective equipment. 	
c	Any feature (option) felt by the offeror to fall into this category shall be listed on a separate sheet titled, "Safety Feature Options". This listing shall include: <ul style="list-style-type: none"> • Product information, • Features (including whether or not the feature/option being offered is a current standard production item of the offeror) • Price. 	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
7	Independent Front Suspension	
a	The offeror shall provide (if available) an option of an independent suspension system that is specifically rated for severe duty fire service application and shall meet or exceed capacity of the front axle and all component parts including wheels, tires, and shock absorbers.	
b	The offeror shall provide a complete description of the suspension system's components, capacity and the benefits associated with an independent suspension.	
8	Rear Suspension	
a	The offeror shall provide pricing for the option of providing hot-dipped galvanization to all frame rails and cross-members. All holes, punch-outs, etc. for the specified components shall be made prior to the hot-dip galvanization process.	
b	Any alternate suspension shall meet or exceed the design capacity of the rear axle when the vehicle is fully loaded. The County reserves the right to evaluate the optional rear suspension and accept or reject based upon evaluation of the system on a similar type vehicle.	
c	The offeror shall provide a complete description of the suspension system's components, capacity and the benefits associated with an independent suspension.	
Y. MANUALS, WARRANTIES and CERTIFICATIONS		
1	Manual and Service Information	
a	At time of delivery, complete operation and maintenance manuals covering the apparatus shall be provided.	
b	A permanent plate shall be mounted in the driver's compartment specifying the quantity and type of fluids required including engine oil, engine coolant, transmission, and drive axle.	
2	Fire Apparatus Parts CD Manual	
a	There shall be two (2) custom parts manuals for the complete fire apparatus provided in CD format with the completed unit.	
b	The manuals shall be specifically written for the chassis and body model being purchased. It shall not be a generic manual for a multitude of different chassis and bodies.	
3	Chassis Service CD Manual	
a	There shall be two (2) CD format chassis service manuals containing parts and service information on major components provided with the completed unit.	
b	The manual shall be specifically written for the chassis model being purchased. It shall not be a generic manual for a multitude of different chassis and bodies.	
4	Chassis Operation CD Manuals	
a	There shall be two (2) CD format chassis operation manuals provided.	
5	Safety Video	
a	At the time of delivery the vendor shall also provide one (1) professionally produced apparatus safety video, in DVD format. This video will address key safety considerations for personnel to follow when they are driving, operating, and maintaining the apparatus, including the following: <ul style="list-style-type: none"> • Vehicle pre-trip inspection, chassis operation, pump operation, aerial operation, • Safety during maintenance. 	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
6	Warranties	
a	The manufacturer shall provide a list of all warranties for workmanship, components and processes used in the manufacturing of this vehicle.	
7	Performance Tests	
a	A road test shall be conducted with the apparatus fully loaded and a continuous run of no less than ten (10) miles. During that time the apparatus shall show no loss of power nor will it overheat.	
b	The transmission drive shaft or shafts and the axles shall run quietly and be free of abnormal vibration or noise.	
c	The apparatus when fully loaded shall not have less than 25 percent or more than 50 percent on the front axle, and not less than 50 percent or more than 75 percent on the rear axle.	
d	The apparatus shall meet NFPA 1901 acceleration and braking requirements.	
8	Vehicle Inspection Program Certification	
a	To assure the vehicle is built to current NFPA standards, the apparatus, in its entirety, will be third-party, audit-certified through Underwriters Laboratory (UL) that it is built and complies with all applicable standards in the current edition of NFPA 1901.	
b	The certification shall include: all design, production, operational, and performance testing of not only the apparatus, but those components that are installed on the apparatus.	
c	A placard shall be affixed in the driver's side area stating the third party agency, the date, the standard and the certificate number of the whole vehicle audit.	
9	Vehicle Stability Certification	
a	The fire apparatus manufacturer shall provide a certification stating the apparatus complies with NFPA 1901, current edition, section 4.13, Vehicle Stability. The certification shall be provided at the time of bid.	
10	Engine Installation Certification	
a	The fire apparatus manufacturer shall provide a certification, along with a letter from the engine manufacturer stating they approve of the engine installation in the bidder's chassis. The certification shall be provided at the time of bid.	
11	Power Steering Certification	
a	The fire apparatus manufacturer shall provide a certification stating the power steering system as installed meets the requirements of the component supplier. The certification shall be provided at the time of bid.	
12	Cab Integrity Certification	
a	The manufacturer shall provide a cab crash test certification with this proposal. The certification states that the cab shall meet or exceed the requirements below: <ul style="list-style-type: none"> • European Occupant Protection Standard ECE Regulation No.29 • SAE J2422 Cab Roof Strength Evaluation - Quasi-Static Loading Heavy Trucks • SAE J2420 COE Frontal Strength Evaluation - Dynamic Loading Heavy Trucks • Roof Crush • Side Impact • Frontal Impact 	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
b	Roof Crush: The cab shall be subjected to a roof crush force of 100,000 lb. This value shall be 450 percent of the ECE 29 criteria, which must be equivalent to the front axle rating up to a maximum of ten (10) metric tons.	
c	Side Impact: The cab shall be subjected to dynamic preload with a 13,275-lb moving barrier is slammed into the side of the cab at 5.50 mph, striking with an impact of 13,000 ft-lb of energy. This test shall closely represent the forces a cab will see in a rollover incident.	
d	Frontal Impact: The cab shall withstand a frontal force produced from 65,200 ft-lb of energy using a swing-bob type platen.	
e	The same cab shall withstand all tests without any measurable intrusion into the survival space of the occupant area.	
13	Cab Door Durability Certification	
a	Robust cab doors help protect occupants. Cab doors shall survive a 200,000 cycle door slam test where the slamming force exceeds 20 G's of deceleration. The bidder shall certify that the sample doors similar to those provided on the apparatus have been tested and have met these criteria without structural damage, latch malfunction, or significant component wear.	
14	Windshield Wiper Durability Certification	
a	Visibility during inclement weather is essential to safe apparatus performance. Windshield wipers shall survive a 3 million cycle durability test in accordance with section 6.2 of SAE J198 Windshield Wiper Systems - Trucks, Buses and Multipurpose Vehicles. The bidder will certify that the wiper system design has been tested and that the wiper system has met these criteria.	
15	Seat Belt Anchor Strength	
a	Seat belt attachment strength is regulated by Federal Motor Vehicle Safety Standards and should be validated through testing. Each seat belt anchor design shall withstand 3000 lb of pull on both the lap and shoulder belt in accordance with FMVSS 571.210 Seat Belt Assembly Anchorages. The bidder shall certify that each anchor design was pull tested to the required force and met the appropriate criteria.	
16	Seat Mounting Strength	
a	Seat attachment strength is regulated by Federal Motor Vehicle Safety Standards and shall be validated through testing. Each seat mounting design shall be tested to withstand 20 G's of force in accordance with FMVSS 571.207 Seating Systems. The bidder shall certify that each seat mount and cab structure design was pull tested to the required force and met the appropriate criteria.	
17	Cab Defroster Certification	
a	Visibility during inclement weather is essential to safe apparatus performance. The defroster system shall clear the required windshield zones in accordance with SAE J381 Windshield Defrosting Systems Test Procedure and Performance Requirements - Trucks, Buses, and Multipurpose Vehicles. The bidder will certify that the defrost system design has been tested in a cold chamber and passes the SAE J381 criteria.	

ONE (1) NEW 2018 OR LATEST PRODUCTION MODEL HAZMAT UNIT		Remarks / Exceptions
18	Cab Heater Certification	
a	Good cab heat performance and regulation provides a more effective working environment for personnel, whether in-transit, or at a scene. The cab heaters shall warm the cab 77 degrees Fahrenheit from a cold-soak, within 30 minutes when tested using the coolant supply methods found in SAE J381. The bidder will certify that a substantially similar cab has been tested and has met these criteria.	
19	Cab Air Conditioning Performance Certification	
a	Good cab air conditioning temperature and air flow performance keeps occupants comfortable, reduces humidity, and provides a climate for recuperation while at the scene. The cab air conditioning system shall cool the cab from a heat-soaked condition at 100 degrees Fahrenheit to an average of 72 degrees Fahrenheit in 30 minutes. The bidder shall certify that a substantially similar cab has been tested and has met these criteria.	
20	AMP Draw Report	
a	The bidder shall provide, at the time of bid and delivery, an itemized print out of the expected amp draw of the entire vehicle's electrical system.	
b	The manufacturer of the apparatus shall provide the following: <ul style="list-style-type: none"> • Documentation of the electrical system performance tests. • A written load analysis, which shall include the following: <ul style="list-style-type: none"> ○ The nameplate rating of the alternator. ○ The alternator rating under the conditions specified per: • Applicable NFPA 1901 or 1906 (Current Edition). <ul style="list-style-type: none"> ○ The minimum continuous load of each component that is specified per: • Applicable NFPA 1901 or 1906 (Current Edition). <ul style="list-style-type: none"> ○ Additional loads that, when added to the minimum continuous load, determine the total connected load. ○ Each individual intermittent load. 	
c	All of the above listed items shall be provided by the bidder per the applicable NFPA 1901 or 1906 (Current Edition).	
Z. INSPECTION TRIP		
a	The manufacturer shall facilitate the completion of a final inspection of the completed apparatus by personnel of the Washington County Division of Emergency Services. The manufacturer shall allow no fewer than 12 hours over the course of three consecutive days for this inspection. The manufacturer shall provide a representative during this inspection to record deficiencies, and address problems identified.	

POLICY TITLE: **Insurance Requirements for Independent Contractors**

ADOPTION DATE: August 29, 1989

EFFECTIVE DATE: September 1, 1989

FILING INSTRUCTIONS: _____

I. PURPOSE

To protect Washington County against liability, loss or expense due to damaged property, injury to or death of any person or persons and for care and loss of services arising in any way, out of, or in connection with or resulting from the work or service performed on behalf of Washington County.

II. ACTION

The following should be inserted in all Independent Contractor Contracts:

"The Contractor shall procure and maintain at his sole expense and until final acceptance of the work by the County, insurance as hereinafter enumerated in policies written by insurance companies admitted in the State of Maryland, have A.M. Best rating of A- or better or its equivalent, and acceptable to the County."

1. **Workers Compensation:** The Contractor agrees to comply with Workers Compensation laws of the State of Maryland and to maintain a Workers Compensation and Employers Liability Policy.

Minimum Limits Required:

Workers Compensation - Statutory
Employers' Liability - \$100,000 (Each Accident)
\$500,000 (Disease - Policy Limit)
\$100,000 (Disease - Each Employee)

2. **Comprehensive General Liability Insurance:** The Contractor shall provide Comprehensive General Liability including Products and Completed Operations.

Minimum Limits Required:

\$1,000,000 combined single limit for Bodily Injury and Property Damage.

Such insurance shall protect the County, its agents, elected and appointed officials, commission members and employees, and name Washington County on the policy as additional insured against liability, loss or expense due to damaged property (including loss of use), injury to or death of any person or persons and for care and loss of services arising in any way, out of, or in connection with or resulting from the work of service performed on behalf of Washington County

Comprehensive General Liability Insurance (continued)

The Contractor is ultimately responsible that Subcontractors, if subcontracting is authorized, procure and maintain at their sole expense and until final acceptance of the work by the County, insurance as hereinafter enumerated in policies written by insurance companies admitted in the State of Maryland, have A.M. Best rating of A- or better or its equivalent, and acceptable to the County.

3. **Business Automobile Liability:** The Contractor shall provide Business Auto Liability including coverage for all leased, owned, non-owned and hired vehicles.

Minimum Limits Required:

\$1,000,000 combined single limit for Bodily Injury or Property Damage.

Certificate(s) of Insurance: The Contractor shall provide certificates of insurance requiring a 30 day notice of cancellation to the Insurance Department, Board of County Commissioners of Washington County prior to the start of the applicable project.

Approval of the insurance by the County shall not in any way relieve or decrease the liability of the Contractor. It is expressly understood that the County does not in any way represent that the specified limits of liability or coverage or policy forms are sufficient or adequate to protect the interest or liabilities of the Contractor.

All responsibility for payment of any sums resulting from any deductible provisions, corridor, or self-insured retention conditions of the policy or policies shall remain with the Contractor.

General Indemnity: The Contractor shall indemnify, defend and save harmless the Board of County Commissioners of Washington County, its appointed or elected officials, commission members, employees and agents for any and all suits, legal actions, administrative proceedings, claims, demands, damages, liabilities, interest, attorney's fees, costs and expenses of whatsoever kind of nature, whether arising before or after final acceptance and in any manner directly or indirectly caused, occasioned or contributed to in whole or in part by reason of any act, error or omission, fault or negligence whether active or passive by the Contractor, or any one acting under its direction, control or on its behalf in connection with or incident to its performance of the Contract.

Revision Date: August 27, 1991
Effective Date: August 27, 1991
Revision Date: March 4, 1997
Effective Date: March 4, 1997

**BOARD OF COUNTY COMMISSIONERS
OF WASHINGTON COUNTY, MARYLAND
WASHINGTON COUNTY PURCHASING DEPARTMENT**

PROVISIONS FOR OTHER AGENCIES

All items, conditions and pricing shall be made available to the entities listed below if authorized by the Bidder. Authorization is to be indicated by a check mark in the appropriate column. A negative reply will not adversely affect consideration of the bid. Any jurisdiction using this contract shall place its own order with the successful Bidder(s). There is no obligation on the lead jurisdiction for agreements made with other jurisdictions.

<u>YES</u>	<u>NO</u>	<u>JURISDICTION</u>
___	___	WASHINGTON COUNTY PUBLIC SCHOOLS
___	___	WASHINGTON COUNTY HEALTH DEPARTMENT
___	___	OTHER WASHINGTON COUNTY MUNICIPALITIES
___	___	HAGERSTOWN COMMUNITY COLLEGE
___	___	CITY OF HAGERSTOWN
___	___	FREDERICK COUNTY COMMISSIONERS
___	___	OTHER FREDERICK COUNTY MUNICIPALITIES
___	___	ALLEGANY COUNTY COMMISSIONERS
___	___	BOARD OF EDUCATION OF ALLEGANY COUNTY
___	___	OTHER ALLEGANY COUNTY MUNICIPALITIES
___	___	ALLEGANY COMMUNITY COLLEGE
___	___	CITY OF FROSTBURG
___	___	CITY OF CUMBERLAND
___	___	GARRETT COUNTY - GENERAL SERVICES
___	___	BOARD OF EDUCATION OF GARRETT COUNTY
___	___	OTHER GARRETT COUNTY MUNICIPALITIES
___	___	GARRETT COUNTY COMMUNITY COLLEGE
___	___	WASHINGTON COUNTY VOLUNTEER FIRE & RESCUE COMPANIES

SIGNATURE TO BIDS

NOTE: Bidders shall use this page as a cover page when submitting his/her bid.

Each bid must show the full business address and telephone number of the Bidder and be signed by the person legally authorized to sign contracts. All correspondence concerning the bid and contract, including notice of award, copy of contract and purchase order, will be mailed or delivered to the address shown on the bid in the absence of written instructions from the Bidder to the contrary. Bids by partnerships must be signed in the partnership name by one of the members of the partnership or by an authorized representative, followed by the signature and designation of the person signing, who shall also state the names of the individuals composing the partnership. Bids by corporations must be signed with the name of the corporation, followed by the signature and designation of the officer having authority to sign. When requested, satisfactory evidence of authority of the officer signing in behalf of the corporation shall be furnished. Anyone signing the bid as agent shall file satisfactory evidence of his/her authority to do so.

All documents, materials, or data developed as a result of this contract are the County's property. The County has the right to use and reproduce any documents, materials, and data, including confidential information, used in or developed as a result of this contract. The County may use this information for its own purposes or use it for reporting to Federal agencies. The Bidder warrants that it has title to or right of use of all documents, materials, or data used or developed in connection with this contract. The Bidder must keep confidential all documents, materials, and data prepared or developed by the Bidder or supplied by the County. All erasures and/or changes shall be initialed by the individual making modifications to the proposal.

BIDDER MUST SIGN HERE AND RETURN THIS PAGE AND THE PROPOSAL FORM IN ADDITION TO SUBMITTING ANY DOCUMENTS CALLED FOR BY THE GENERAL CONDITIONS AND INSTRUCTIONS TO BIDDERS, SPECIFICATIONS, AND ANY OTHER DOCUMENTS HEREIN CONTAINED.

By signing here, Bidder does hereby attest that he/she has read fully the general conditions and instructions, specifications, and any other documents herein contained, and does understand them and will furnish and deliver all labor and materials in accordance with the specifications for the price as listed on the proposal form.

Bidder acknowledges receipt of Addenda by initialing the following:

Addendum No. 1 _____	Addendum No. 2 _____	Addendum No. 3 _____
Addendum No. 4 _____	Addendum No. 5 _____	Addendum No. 6 _____

AFFIRMATION REGARDING COLLUSION

I AFFIRM THAT:

Neither I nor, to the best of my knowledge, information, and belief, the below stated business has:

Signature to Bids

PUR-1385

One (1) New 2018 or Latest Production Model Hazmat Unit

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Bidder's Name

- (a) Agreed, conspired, connived, or colluded to produce a deceptive show of competition in the compilation of the accompanying bid or offer that is being submitted;
- (b) In any manner, directly or indirectly, entered into any agreement of any kind to fix the bid price or price proposal of the Bidder or Offeror or of any competitor, or otherwise taken any action in restraint of free competitive bidding in connection with the contract for which the accompanying bid or offer is submitted.

AFFIRMATION REGARDING BRIBERY CONVICTIONS

I FURTHER AFFIRM:

Neither I nor, to the best of my knowledge, information, and belief, the below business (as is defined in Section 16-101 (b) of the State Finance and Procurement Article of the Annotated Code of Maryland), or any of its officers, directors, partners, or any of its employees directly involved in obtaining or performing contracts with public bodies (as is defined in Section 16-101(f) of the State Finance and Procurement Article of the Annotated Code of Maryland), has been convicted of, or has had probation before judgment imposed pursuant to Criminal Procedure Article, Section 6-220 of the Annotated Code of Maryland, or has pleaded nolo contendere to a charge of, bribery, attempted bribery, or conspiracy to bribe in violation of Maryland law, or of the law of any other State or federal law, **except as follows** (indicate the reasons why the affirmation cannot be given and list any conviction, plea, or imposition of probation before judgment with the date, court, official or administrative body, the sentence or disposition, the name(s) of person(s) involved, and their current positions and responsibilities with the business):

BIDDER'S COMPANY/FIRM: _____

ADDRESS: _____

AUTHORIZED SIGNATURE: _____

NAME AND TITLE PRINTED: _____

TELEPHONE & FAX NUMBER: _____

E-MAIL ADDRESS: _____

DATE: _____ FEDERAL EMPLOYER'S IDENTIFICATION NO. _____

For Informational Purposes Only: Has your company/firm been certified by the State of Maryland as a Minority Business Enterprise? (Please check below.)

_____ Yes _____ No

PUR-1385
ONE (1) NEW 2018 OR LATEST PRODUCTION
MODEL HEAVY DUTY HAZMAT UNIT
WASHINGTON COUNTY, HAGERSTOWN MARYLAND

FORM OF PROPOSAL

TOTAL SUM BID PRICE FOR ONE (1) UNIT:

_____ DOLLARS (\$ _____)
(Written) (Figures)

REMARKS/EXCEPTIONS:
