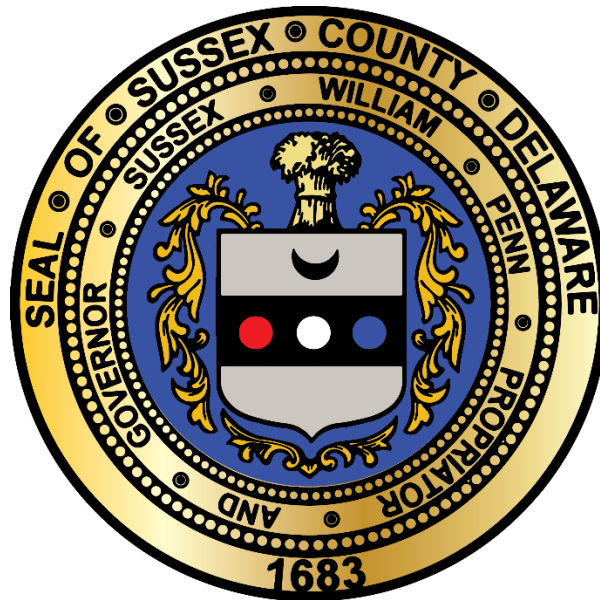


SUSSEX COUNTY GOVERNMENT

REQUEST FOR PROPOSALS

2024 MODEL YEAR VEHICLE PURCHASES



JULY 2023

SUSSEX COUNTY GOVERNMENT
2 THE CIRCLE
P.O. BOX 589
GEORGETOWN, DELAWARE 19947
(302) 855 – 7730
WWW.SUSSEXCOUNTYDE.GOV

TABLE OF CONTENTS

BIDDING AND CONTRACT REQUIREMENTS

INVITATION TO BID	3
INSTRUCTIONS TO BIDDERS	4
BID FORM	7
BID SCHEDULE	9
GENERAL CONDITIONS.....	15
Generic Equipment Required on all Vehicles.....	21-23
Expected Volumes.....	24
Vehicle Technical Specifications.....	24-40

INVITATION TO BID

Sussex County Government will receive sealed competitive proposals (“Bid”) for the purchase of various vehicles. Sealed bids must be received by Sussex County Government, c/o Gina A. Jennings, Finance Director, Sussex County Administrative Office Building, 2 The Circle, P.O. Box 589, Georgetown, DE 19947, until 1:00 p.m., local time, on August 17, 2023. To be considered, price proposals must be submitted in writing and respond to the items outlined in the request for proposal (RFP).

Interested parties must submit two (2) written proposals to the Sussex County Government, Attention: Gina A. Jennings, Finance Director, Sussex County Administrative Office Building, 2 The Circle, P.O. Box 589, Georgetown, DE 19947, by 1:00 p.m., August 17, 2023, at which time the proposals will be publicly opened, read aloud with recording only the name of the respondent(s).

All other information shall be confidential.

Bids are being sought from vendors to supply the following vehicle types:

- Small SUV, AWD Model
- Midsize SUV, 4WD Model
- ¾ Ton Delivery Van, RWD Model
- 350/3500 Pickup Truck, 4WD Model
- Suburban 4WD Model
- Upfits Suburban
- Upfit pickup truck

The request for proposals may be obtained by visiting Sussex County’s website <http://www.sussexcountyde.gov/legal-notices/bids>. Questions shall be directed to Bobby Schoonover at 302-856-5506 or rschoonover@sussexcountyde.gov. If necessary, an addendum will be issued to address questions received.

A formal pre-bid will not be held.

In its sole discretion, Sussex County Government reserves the right to extend the time and place for opening bids from that described in the advertisement by providing not less than two (2) calendar days’ notice, by posting an addendum on the Sussex County website.

INSTRUCTIONS TO BIDDERS

Submission of Proposals

Sussex County Government will receive sealed competitive proposals (“Bid”) for the purchase of various vehicles. Sealed bids must be received by Sussex County Government, c/o Gina A. Jennings, Finance Director, Sussex County Administrative Office Building, 2 The Circle, P.O. Box 589, Georgetown, DE 19947, until 1:00 p.m., local time, on August 17, 2023. Immediately following, the proposals will be publicly opened, read aloud with recording only the name of the respondent(s). All other information shall be confidential.

Each Bid shall be completed on the forms provided and submitted in a sealed envelope addressed to the Sussex County Government at the above address. Each sealed envelope containing a Bid shall be plainly marked on the outside with “Bid for Sussex County Vehicle Purchases,” and bear the name and address of the respondent. The Bidder shall assume full responsibility for timely delivery at the location designated for receipt of Bids. Oral, telegraphic, electronic, or telephonic bids are invalid and will not receive consideration. Bids submitted by mail shall be enclosed in an outer envelope, similarly endorsed, and addressed to the Sussex County. Bidders may bid on any or all specifications and should indicate “NO BID” on his or her Bid Form for any specification on which they chose not to bid. All Bidders shall state delivery time and cutoff build date for current model year as part of their bid proposal. Bidder must indicate the vehicle model that will be provided for each specification for which they are submitting a bid.

Each Bidder shall submit an original completed, signed copy of the Bid Form. Each Bidder shall enter amounts for all Lump Sum Prices, Contingent Unit Prices, Alternate Prices, and the Total Base Bid, where designated on the Bid Form. Failure to comply may be cause for rejection. No allowances, segregated Bids or assignments will be considered. State all amounts in numerical figures. Any alterations or erasures must be initialed by the Bidder. All entries must be ink or typewritten. A Bidder shall make no additional stipulations on the Bid Form nor qualify his Bid by attachments or any other matter. Stipulations or qualifications will be subject to rejection.

If the Bidder is an individual, each copy of the Bid Form shall be signed by the individual himself, under his business name. If the Bidder is a partnership, each copy of the Bid Form shall be signed by an authorized partner, under the name of the partnership. If the Bidder is a corporation, each copy of the Bid Form shall be signed by an authorized executive officer of the corporation under its registered name and the corporate seal shall be affixed. If the Bidder is a limited liability company, each copy of the Bid Form shall be signed by the authorized Managing Member(s).

Other Bid Forms

Each Bid must be accompanied by the completed, signed, and witnessed Certification of Bidder. In addition, any other Bid Forms included in the packet shall be fully completed in accordance with the instructions on the forms.

Information Regarding Bids

The Contract Documents contain the provisions required for the Purchase. Information obtained from an officer, agent, or employee of Sussex County, or any other person shall not affect the risks or obligations assumed by the Bidder or relieve the Bidder from fulfilling any of the conditions of the contract.

No oral interpretations will be made to any Bidder as to the meaning of the Contract Documents or any part thereof. Every request for such an interpretation shall be made in writing to Sussex County Government. Any inquiry received five (5) days or more prior to the Bid Opening date will be given consideration. Every interpretation to a Bidder will be made in the form of an addendum to the contract documents. In addition, all addenda will be issued to each recorded holder of the Contract Documents, but it shall be the Bidder's responsibility to make inquiry as to the addenda issued. All such addenda shall become a part of the Contract and all Bidders shall be bound by such addenda. Bidders shall acknowledge receipt of all addenda on the Bid Form. Failure to do so will result in Bid rejection.

Late Proposals or Late Withdrawals

A Bid received after the closing date and time for receipt of proposals is late and shall not be considered.

No Bidder shall be permitted to make a modification to its original Bid for a minimum of sixty (60) days.

A modification of a Bid resulting from an amendment issued after the closing date and time for receipt of proposals or a modification of a proposal resulting from discussions during negotiations shall be considered if received by the closing date and time set forth in the amendment or by the closing date and time for submission of best and final offers, whichever is applicable. If the modifications described in this subsection are received after the respective date and time described in this subsection, the modifications are late and shall not be considered.

Sussex County Government expressly reserves the right to reject any or all Bids received and/or waive informalities, minor defects and/or reject a particular Bid or all Bids. Any Bid may be withdrawn prior to the above scheduled time for Bid Opening. Bids submitted after the time specified for the Bid opening will not be considered and will be returned unopened. Bids may not be withdrawn within sixty (60) days after the Bid Opening, unless a request to withdraw is granted in accordance with Title 29, Chapter 69 of the Delaware Code. Should there be a reason for not awarding the Contract to the lowest responsive Bidder within sixty (60) days, the time may be extended by mutual agreement between Sussex County Government and the Bidder.

A Notice of Award will be issued to the lowest responsive Bidder. The successful Bidder is required to execute the Agreement and provide a Certificate of Insurance within twenty (20) calendar days from the date of delivery of Notice of Award. The appropriate Agreement and forms will accompany the Notice of Award. If the Bidder fails to execute the Agreement as specified

within 20 calendar days, the next low Bidder in order of bid price shall then be considered the lowest responsive Bidder and the Contract will be awarded to him/her. Should this Bidder default, the next low Bidder shall be considered and so on.

Bidders who are rejected under this section shall be notified in writing about the rejection. The reasons for the rejection shall be stated in the determination.

Each Bidder shall be evaluated for responsibility prior to award which may include factors such as the Bidder's financial, physical, personnel, or other resources including subcontracts; Bidder's record of performance or integrity; whether Bidder is qualified legally to contract with the County; and whether the Bidder has supplied all necessary information concerning its responsiveness. If Sussex County Government determines that a Bidder is nonresponsive or non-responsible, the determination shall be in writing and set forth the basis for the determination. A copy of the determination shall be promptly sent to the affected Bidder.

Non-Discrimination

The Bidder in performing the work furnished by this Contract or furnishing the equipment or services provided herein shall not discriminate against any person seeking employment with or employed by him/her because of race, creed, color, or national origin.

Specification

BID FORM

To: Sussex County Government
For: Sussex County Vehicle Purchases

Bidder Acknowledgements

The undersigned Bidder has carefully examined the Instructions to Bidders and the Specifications, the Agreement, and all other portions of this Request for Proposal for the performance of the above-named project and shall deliver the equipment in accordance with the requirements of the Contract Documents.

The Bidder certifies by the submission of this Bid that there has been no violation of copyrights or patent rights in manufacturing, producing or selling the product or services shipped or ordered as a result of this Bid. The successful Bidder shall, at his own expense, defend any and all actions or suits charging such infringements, and will save Sussex County, and its appointed and elected officials, officers, partners, directors, employees, and agents harmless from any and all liability, loss, or expense occasioned by any such violation.

The undersigned Bidder acknowledges receipt of all Addenda issued during the bidding process.

Confidentiality

If Bidder considers any portion of its Bid to be confidential, Bidder shall be required to isolate and identify in writing any confidential portions thereof. Bidder shall include, with this designation, a statement that explains and supports the Bidder's claim that the items identified as confidential contain trade secrets or other proprietary data. In submitting its Bid, Bidder acknowledges that its Bid, whether successful or not, shall be subject to disclosure and available for public inspection and copying in accordance with the Delaware Freedom of Information Act, 29 Del. C., Chapter 100, except to the extent withholding such information is permitted under the Act or otherwise permitted by law.

Basis of Bid

This Bid includes all other applicable taxes and fees.

The undersigned Bidder further understands that all equipment covered by this Bid shall be new and of the best quality and the highest-grade workmanship.

Dated:

(If an Individual, Partnership, Limited Liability Company, or Non-Incorporated Organization)

Name of Business: _____

Signature of Bidder: _____

By: _____

Business Address: _____

Names and _____
Address of _____
Members _____

(If a corporation)

Name of Business: _____

Signature of Bidder: _____

By: _____

Business Address: _____

Incorporated under the laws of the State of: _____

President's Name _____
(Address) _____

Secretary's Name _____
(Address) _____

Treasurer's Name _____
(Address) _____

Affix Corporate Seal

Specification B

Mid-Size SUV, 4WD Model: _____

Delivery Time: _____

Cutoff Date for Ordering: _____

Base Bid:

Item	Description	Total Price
B-1	Furnish Mid-Size SUV 4 Wheel Drive	
B-2	Delivery Charge	
	Total Base Bid	\$

Add/Alternate Bid Items:

Item	Description	Price
B-3	Third Row Fold Down Seat	
B-4	Light Bar & 4 Corner Lights	

Specification C

¾ (250/2500) Ton Van Model: _____

Delivery Time: _____

Cutoff Date for Ordering: _____

Base Bid:

Item	Description	Total Price
E-1	Furnish ¾ Ton Van with additional specifications	
E-2	Delivery Charge	
	Total Base Bid	\$

Specification (D-EMS)

Pickup Truck 350/3500 Model: _____

Delivery Time: _____

Cutoff Date for Ordering: _____

Base Bid:

Item	Description	Total Price
I-3-1	Single Rear Wheel Crew Cab with 6.85' Bed	
I-3-2	Delivery Charge	
	Total Base Bid	\$

Specification E

4WD Suburban: _____

Delivery Time: _____

Cutoff Date for Ordering: _____

Base Bid:

Item	Description	Price Each
J-1	4WD Chevrolet Suburban	
J-2	Delivery Charge	
	Total Base Bid for 1	\$

Specification F

Suburban Up Fit : _____

Delivery Time: _____

Cutoff Date for Ordering: _____

Base Bid:

Item	Description	Price for One
K-1	2024 Suburban's Up-Fit –	
K-2	Delivery Charge	
	Total Base Bid for 1	\$

Specification G

One Ton SRW 6.85' Pickup style truck Upfit: _____

Delivery Time: _____

Cutoff Date for Ordering: _____

Base Bid:

Item	Description	Total Price
L-1	One Ton SRW 6.85' Pickup style truck upfit	
L-2	Delivery Charge	
	Total Base Bid	\$

END of base bid forms

CERTIFICATION OF BIDDER

The undersigned Bidder, _____ on the _____ day of _____, 23 __, for Sussex County Vehicle Purchases acknowledges:

- 1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization or corporation;
- 2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham bid;
- 3. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- 4. Bidder has not engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract. For the purposes of this Paragraph:
 - a. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 - b. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Sussex County Government, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Sussex County Government of the benefits of free and open competition;
 - c. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Sussex County Government, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
 - d. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

CORPORATE SEAL

Signature of Bidder: _____

BY: _____

Attest: _____ Secretary

Sworn and subscribed before me this _____ day of _____, 20 ____.

My commission expires _____ . _____ Notary Public

GENERAL CONDITIONS

DEFINITION OF TERMS:

Whenever the following terms are used, their intent and meaning shall be interpreted as follows:

ADDENDA: Written or graphic instruments issued prior to the opening of Bids, which clarify, correct, or change the Bidding Documents.

AGREEMENT: The written contract between Owner and Vendor covering Work to be performed; other Contract Documents are attached to the Agreement and made a part thereof.

BID or BID PROPOSAL: The offer by Bidder submitted on the prescribed forms setting forth the prices and Work to be performed.

BIDDING DOCUMENTS: The Invitation to Bid, General Conditions, the Bid Form, and proposed Contract Documents (including all Addenda issued prior to receipt of Bids).

CHANGE ORDER: A written order to Vendor signed by Owner authorizing an addition, deletion or revision of Work, or adjustment of Contract Price or Contract Time issued on or after the Effective Date of the Agreement.

CONTRACT DOCUMENTS: The written agreement covering Work to be performed. The awarded Contract Documents shall include, but is not limited to: the Agreement, General Conditions, Technical Specifications, Addenda, and Change Orders.

CONTRACT PRICE: The moneys payable by Owner to Vendor for completion of Work in accordance with the Contract Documents as stated in the Agreement.

COUNTY: Sussex County, a political subdivision of the State of Delaware.

DEFECTIVE: An adjective which, when modifying the word Work, refers to Work that is unsatisfactory, faulty or deficient, in that it does not conform to the Contract Documents, or does not meet the requirements of any inspection, reference standard, test or approval referred to in the Contract Documents, or has been damaged prior to Engineer's recommendation of final payment.

INVITATION TO BID: The public announcement, as required by law, that Sussex County is soliciting Bids for Work to be performed or materials or equipment to be furnished.

MATERIALS/EQUIPMENT: This term describes the materials, equipment, unit, and/or supplies which are required to be supplied to Owner under the Contract Documents.

OWNER: Sussex County, a political subdivision of the State of Delaware.

SUPPLEMENTAL GENERAL CONDITIONS: Modify the General Conditions and are specific clauses setting forth conditions or requirements peculiar to this Contract.

VENDOR: The person, firm or corporation with whom Owner has entered into the Agreement.

WORK: The furnishing of all labor, materials, tools, equipment, and incidentals necessary or convenient to the Vendor's performance of all duties and obligations as required by the Contract Documents.

1.00 ARTICLE 1 – GENERAL REQUIREMENTS & PRELIMINARY MATTERS

1.01 LAWS TO BE OBSERVED: Vendor shall strictly comply with all Federal, State, or County laws, and City or Town ordinances and regulations in any manner affecting the conduct of Work.

1.02 PERMITS AND LICENSES: All necessary permits and licenses required by local, State, or Federal laws shall be provided by Vendor at his/her own expense, unless Owner expressly agrees in writing to provide said permit or license. The Bidder's attention is called to Title 30, Chapter 27 of the Delaware Code, which should be reviewed by Vendor in order to determine whether such laws are applicable to its Bid.

1.03 NOTICE TO PROCEED: The date of Notice to Proceed shall specify the date upon which the Work shall commence. No Work shall be done prior to the date on which the Contract Time commences to run.

1.04 CONTRACT PAYMENT: Payment for equipment supplied in accordance with the Contract Documents shall be made at the lump sum and/or unit prices contained in the Bid. In addition to meeting any other conditions of Final Acceptance set forth herein, Final Acceptance shall not be issued until the Equipment is received by County personnel, the Equipment functions correctly. Owner shall make the final payment in a lump sum within thirty days after Owner's issuance of Final Acceptance for the Vehicles that have been delivered and approved.

1.05 CONTRACT PERIOD: The Contract shall be valid from the date of award through June 30, 2024

2.00 ARTICLE 2 – DELIVERY AND FINAL ACCEPTANCE OF VEHICLES

2.01 The intent of these Contract Documents is to provide for delivery and furnishing of Vehicles described. It is further intended that Vendor shall furnish all labor, materials, equipment, tools, transportation, and supplies required to complete Work in accordance with the Contract Documents. All Work shall be performed in a good and workmanlike manner, and all Vehicles shall be new and in accordance with the Contract Documents.

2.02 All Vehicles will be inspected by an authorized representative of Owner, and if found defective, or if it in any way fails to meet the requirements of the Contract Documents, said Vehicles will be rejected. If said Vehicles are rejected, Vendor shall be responsible for repairing or replacing said Vehicles. Once Vehicles are found to be satisfactory to Owner and any other conditions of Final Acceptance set forth herein are met, Owner shall issue a Final Acceptance and make the final payment in accordance with the provisions herein.

3.00 ARTICLE 3 - INSURANCE REQUIREMENTS

3.01 GENERAL INSURANCE REQUIREMENTS:

- A. Vendor shall not commence Work until Vendor has obtained, at Vendor’s own expense, all of the insurance as required hereunder, and such insurance has been approved by Owner; nor shall Vendor allow any subcontractor to commence Work on any subcontract until all insurance required of the subcontractor has been so obtained and approved by the Vendor. Approval of insurance required of Vendor will be granted only after submission to Owner of original certificates of insurance and required endorsements that are satisfactory to Owner, evidencing the required insurance.

- B. All insurers underwriting Vendor’s insurance must be licensed in the State of Delaware, have a minimum policyholders rating of “A-“ or better, and have a financial size of “Class VII” or higher, unless otherwise approved by Owner.

- C. All insurance policies required hereunder shall be endorsed to provide that the policy is not subject to cancellation or non-renewal until thirty (30) days prior written notice has been given to Owner (not less than ten (10) days’ notice is required for nonpayment of premium). Therefore, a copy of the endorsements to the required policies that confirm the insurer is obligated to send notice to Owner as required herein, must accompany all certificates of insurance.

- D. If any subcontractors are utilized, Vendor shall require all subcontractors to maintain commercial general liability insurance, business auto liability insurance and workers compensation and employer's liability insurance to the same extent required of Vendor. The Vendor shall furnish subcontractor's certificates of insurance and required endorsements to Owner immediately upon request.
- E. Failure of Owner to obtain such certificates or other evidence of full compliance with these insurance requirements or failure of Owner to identify a deficiency from evidence provided shall not be construed as a waiver of Vendor's insurance requirements.
- F. By requiring such insurance and insurance limits herein, Owner does not represent that coverage and limits will necessarily be adequate to protect Vendor, and such coverage and limits shall not be deemed as a limitation on Vendor's liability under the indemnities granted to Owner.
- G. If the Owner is damaged by the failure or neglect of Vendor to purchase and maintain insurance as required herein, then the Vendor shall bear all reasonable costs properly attributable thereto.
- H. Loss of or damage to any equipment to be provided under the Contract Documents shall be at the sole risk of the Vendor until Substantial Completion.

3.02 Vendor's Insurance

Vendor shall purchase and maintain the following insurance coverages throughout the term of the Contract Documents for not less than the limits specified below or required by law, whichever is greater:

- A. **Commercial general liability** insurance that insures against claims for bodily injury, property damage, personal and advertising injury arising out of or in connection with Vendor's Work, including coverage for claims arising out of liability assumed under the Contract Documents. The minimum limits of liability for this insurance are \$1,000,000 combined single limit for each occurrence; \$1,000,000 combined single limit general aggregate; and \$1,000,000 combined single limit for products/completed operations aggregate. Any general aggregate limit shall apply on a per project basis. This insurance shall not afford coverage on a "claims made" basis without the prior written approval of Owner.
- B. **Business auto liability insurance** with a minimum combined single limit of \$1,000,000 per accident and including coverage for bodily injury and property damage

claims arising out of the ownership, maintenance or use of any auto and include coverage for Vendor from bodily injury and property damage claims arising out of liability assumed under the Contract Documents.

- C. **Workers compensation insurance** with statutory benefits as required by any state or Federal law, including standard “other states” coverage and employers liability insurance with minimum limits of \$100,000 each accident for bodily injury by accident, \$100,000 each employee for bodily injury by disease and \$500,000 policy limit for bodily injury by disease.
- D. **Personal property in transit, transportation or motor truck cargo insurance** with limits not less than 100% of the replacement cost of the personal property including equipment to be transported by Vendor (or any subcontractor) under the Contract Documents. Such insurance shall be written on all risks basis and be in effect until Final Acceptance.

4.00 ARTICLE 4 - VENDOR’S RESPONSIBILITIES

4.01 SERVICES, MATERIALS AND EQUIPMENT:

- A. Unless otherwise specified in the Contract Documents, Vendor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, startup and completion of the Work.
- B. All Materials/Equipment incorporated into the Work shall be as specified or, if not specified, shall be of good quality and new, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications shall expressly run to the benefit of Owner.
- C. All Materials/Equipment shall be stored, applied, installed, connected, erected, protected, used, cleaned and conditioned in accordance with instructions provided by manufacturer and/or supplier, except as otherwise may be provided in the Contract Documents.

4.02 PRODUCTS BY NAME/OR “APPROVED EQUAL:” Products by name are intended to be descriptive of quality, workmanship, finish, function, and approximate characteristics desired and are not necessarily intended to be restrictive. Substitution of products for those named may be considered but must be approved by Owner and with the condition that said product is equal or superior

in quality, workmanship, finish, function, and approximate characteristics to that specified by the Contract Documents. Owner will be the sole judge of the equivalences. Please see Technical Specifications for requirements.

- 4.03 REJECTED MATERIAL:** Vendor shall, at his/her own expense, replace or satisfactorily adjust or repair all Materials/Equipment rejected for failure to comply with the Contract Documents.

5.00 ARTICLE 5 - DELIVERY

The delivery of the Vehicles shall be to the following location:

**Sussex County Joint Maintenance Garage 21448 Rudder Lane Georgetown, DE
19947**

Vendor shall coordinate the delivery to allow an authorized representative of Owner to inspect the Vehicles. If said representative finds the supplied Vehicle(s) to be defective, damaged or if said Vehicles fails in any way to meet the specifications set forth herein, the items in question may be rejected at the sole discretion of Owner. Vehicles must be delivered with the certificate of origin. Sussex County Government will be responsible for completing title and tag work. If conversion work is necessary, the vehicle will be delivered to the successful conversion vendor.

6.00 ARTICLE 6 - CONTRACT TIME

- 6.01** The Vehicle(s) shall be delivered to the site defined in Article 5.00, by the Vendor within the delivery time listed on the bid form. The Delivery Time may be extended, in the sole and absolute discretion of Owner, with good cause shown.

GENERAL REQUIRED EQUIPMENT ON ALL BIDS

Scope of Work

The following items shall be supplied on all vehicles as required equipment, unless otherwise specified, and will not be included in the specifications for each individual vehicle.

- A. Speed Control – All vehicles must be equipped with OEM Cruise Control, unless noted otherwise in the individual specifications.
- B. Lug wrench and tire jack.
- C. Inside rear-view mirror day/night type.
- D. Seat(s) for driver and passenger(s). Seat belt extender for all seats.
- E. Replaceable element oil filter.
- F. Rear license plate brackets mounted on all vehicles. Manufacturer standard “no cost” front brackets shall be provided loose in vehicle interior, unless specified at time of order.
- G. Flexible fuel engine (FFV) - Required if available, unless otherwise stated.
- H. Cigarette lighter (or power receptacle is acceptable).
- I. Manufacturers Standard AM/FM radio.
- J. Key - Four (4) working keys with 2 Fobs or Four (4) fobbed keys for Chrysler Vehicles, if specification includes power package (windows, locks, etc.) as standard equipment. Otherwise, if standard basic configurations do not include power equipment package, then vendor shall only be required to include four (4) working keys and no Fobs.
- K. Air Condition - Factory installed; integrated with heater and defroster.
- L. Air bag - Driver, Passenger, front and side air bags required.

- M. Glass - Tinted all windows
- N. Exterior side mirrors - standard for model bid.
- O. Spare tire - Mounted manufactures standard full size spare where available.
- P. Brakes - Anti lock braking system
- Q. Steering - manufacturers standard power assisted
- R. Transmission - standard automatic for model quoted.
- S. Floor Mats - All vehicles must be equipped with all-weather rubber floor mats.
- T. Any option that is available at no extra charge shall be included with the delivery of the vehicle and shall not be removed unless specified by Sussex County Government.
- U. If the required General Specifications, listed above, differ from the individual model Specifications identified; the individual model specifications requested will take first priority over the general specifications identified.
- V. Each Vehicle must be delivered with a complete set of operational instruction manuals.
- W. Specifications for each class of vehicle are included below.

1.02 SHIPPING, DELIVERY, STORAGE & HANDLING

- A. All vehicles shall be properly protected such that no damage will occur from the time of shipment until the time of delivery.
- B. County shall be responsible for inspecting all vehicles upon arrival. County shall notify the Vendor within 24 hours of any damage.

1.03 WARRANTY

- A. All warranties begin when the Purchaser accepts delivery from the contractor FOB point of origin/destination.

- B. All warranties shall be in writing and included in the bid. Bidders who fail to meet this requirement shall not be considered as responsive.
- C. All warranties will be transferable to second purchaser should the Department desire to sell this vehicle at a later date.
- D. Each bidder shall submit as part of their bid proposal, copies of the vehicle manufacturer's written warranty.
- E. A 36,000/3-year manufacturers bumper to bumper and a 60,000 miles/5 year power train warranty shall be included.

Expected Volumes

It is anticipated during the fiscal year that Sussex County will purchase the following quantities:

Midsize SUV, AWD Model	(5) one
Midsize SUV, 4WD Model	(1) one
¾ Ton Delivery Van, RWD Model	(1) one
1 Ton SRW Delivery Van, RWD Model	(1) one
350/3500 Pickup Truck, 4WD Model (EMS)	(1) two
Suburban, 4WD Model	(3) three
Upfits Suburban	(3) three
Upfits pickup	(1) one

Vehicle Specification (A) – Mid Size SUV 4WD

1. Wheelbase	107 inches or greater
2. Fuel Type	Gasoline - 87 octane
3. Year	2024
4. Maximum Seating	5
5. Color, Exterior	White
6. Color, Interior	Gray Cloth Seats
7. Engine	1.5L or Larger
8. Transmission	6 Speed Automatic
9. Drive	AWD
10. Doors	4
11. Bed Length	NA
12. Tires	17 inch
13. Wheels	Aluminum
14. Air Conditioning	Yes
15. Cruise Control	Yes
16. Door Locks	Powered
17. Windows	Powered
18. Trailer package	NA
19. Headroom Front	40 inches, or larger
20. Maximum Leg Room front	42.9 inches, or larger
21. Hip Room Front	54 inches, or larger
22. Shoulder room Front	57 inches, or larger
23. Ground Clearance	NA
24. Fuel tank	18 to 22 gallons
25. Skid Plate	NA
26. Running Boards	NA

27. Provision for aftermarket roof mounted Light bar	NA
28. Recovery Hooks	NA
29. License Plate Bracket	Front and rear
30. Bluetooth, or similar hands free device	Yes
31. Warranty	Bumper to bumper 3yr/36K Miles, Powertrain 5yr/60K Miles
32. Roadside Safety Kit	Yes
33. Trailer Hitch	NA
34. 120-Volt Power Outlet	Yes
35. All Weather Floor Mats	Yes
36. First Aid Kit	Yes

Vehicle Specification (B) – Mid Size SUV 4WD

1. Wheelbase	115 inches or greater
2. Fuel Type	Gasoline - 87 octane
3. Year	2024
4. Maximum Seating	7
5. Color, Exterior	White
6. Color, Interior	Gray Cloth Seats
7. Engine	3.0L V6 or Larger
8. Transmission	10 Speed Automatic
9. Drive	4WD
10. Doors	4
11. Bed Length	NA
12. Tires	18 inch
13. Wheels	Aluminum
14. Air Conditioning	Yes
15. Cruise Control	Yes
16. Door Locks	Powered
17. Windows	Powered
18. Trailer package	NA
19. Headroom Front	40 inches, or larger
20. Maximum Leg Room front	43 inches, or larger
21. Hip Room Front	58 inches, or larger
22. Shoulder room Front	61 inches, or larger
23. Ground Clearance	7.9 or greater
24. Fuel tank	18 to 22 gallons
25. Skid Plate	Yes
26. Running Boards	NA
27. Provision for aftermarket roof mounted Light bar	Yes

28. Recovery Hooks	Yes
29. License Plate Bracket	Front and rear
30. Bluetooth, or similar hands free device	Yes
31. Warranty	Bumper to bumper 3yr/36K Miles, Powertrain 5yr/60K Miles
32. Roadside Safety Kit	Yes
33. First Aid Kit	Yes
34. Weather Resistant Floor Mats	Yes
35. Trailer Hitch	NA

Vehicle Specifications (C) – 250/2500 Large ¾ Ton Cargo Van

1. Fuel Type	87 Octane- Gasoline
2. Year	2024
3. Maximum Seating	2
4. Color, Exterior	White
5. Color, Interior	Gray Cloth Seats with Vinyl Floors
6. Engine	3.7L V6
7. Transmission	Automatic
8. Drive	Rear-Wheel Drive
9. Doors	2 Front Passenger, Side Sliding and Dual Rear doors
10. Bed Length	NA
11. Tires	Standard
12. Wheels	Standard
13. Air Conditioning	Yes
14. Cruise Control	Yes
15. Door Locks	Power
16. Windows	Power
17. Trailer package	Trailer Hitch w/trailer plug and OEM brake controller
18. Headroom Front	NA
19. Maximum Leg Room front	NA
20. Hip Room Front	NA
21. Shoulder room Front	NA
22. Ground Clearance	NA
23. Fuel tank	Standard for Make/Model
24. Skid Plate	NA
25. Running Boards	Yes full length black
26. Provision for aftermarket roof mounted Light bar & ladder rack	Yes

27. Recovery Hooks	NA
28. License Plate Bracket	Yes, Front and rear
29. Bluetooth, or similar hands-free device	Yes
30. Warranty	Bumper to bumper 3yr/36K Miles, Powertrain 5yr/60K Miles
31. Roadside Safety Kit	Yes
32. Back up alarm & camera	yes
33. Additional Specifications	<ol style="list-style-type: none"> 1. Vehicle Length- min. 235 Inches, 2. Vehicle Height- min. 100 Inches, 3. 6000lbs Capacity, 9500 GVWR 4. Rear Bin package (bins & shelf on both sides) 5. One piece (no door) bulkhead with ventilation panels 6. Full length vinyl flooring

(D-EMS) SRW 350/3500 Series Pickup Truck Min. GVWR 11,350 pounds

1. Fuel Type	87 Octane
2. Year	2024
3. Maximum Seating	5 or 6
4. Color, Exterior	Summit White
5. Color, Interior	Jet Black Cloth Seats with Vinyl Floors
6. Engine	6.6 L V*
7. Transmission	Automatic 6 speed
8. Drive	4-Wheel Drive
9. Limited Slip Rear	Yes with 3:73 ratio
10. Doors	Four (4)
11. Bed Length	6.85'
12. Tires	All Terrain Mud & Snow E rated
13. Wheels	Black 18"
14. Air Conditioning	Yes
15. Cruise Control	Yes
16. Door Locks	Power
17. Windows	Power
18. Trailer package	Trailer Hitch w/ trailer plug and OEM integrated brake controller
19. Snowplow Prep	Yes
20. Mirrors	Outside heated, power adjustable vertical trailering, manual fold and black exterior

21. Glass	Deep tinted
22. Seats	40/20/20 split
23. Alternator	Minimum of 220 amps
24. Cab clearance lighting	Yes
25. Fuel tank	36 gallon minimum
26. Skid Plate	Yes
27. Running Boards	6" black rectangular
28. Cargo Tie downs	Minimum of 12
29. Recovery Hooks	Yes
30. License Plate Bracket	Front and rear
31. Bluetooth, or similar hands-free device	Yes
32. Warranty	Minimum bumper to bumper 3yr/36K Miles, Minimum Powertrain 5yr/60K Miles
33. Roadside Safety Kit	Yes

Specification E (EMS) Suburban

1. Fuel Type	87 Octane
2. Year	2024
3. Maximum Seating	5 or 6
4. Color, Exterior	Summit White solid
5. Color, Interior	Jet Black with Vinyl Floors
6. Engine	5.3L Ecotec V 8 with high-capacity air cleaner
7. Transmission	Automatic 10 speed with engine cooler
8. Drive	4-Wheel drive with auto locking hubs
9. Limited Slip Rear	3:23 ratio
10. Doors	Four (4) with additional rear liftgate
11. Axles	Heavy duty with auto leveling feature
12. Tires	All season 265/65R18 SL
13. Wheels	Silver or aluminum alloy 18" x 8.5"
14. Air Conditioning	Front and rear with separate controls
15. Cruise Control	Yes
16. Door Locks	Power
17. Windows	Power
18. Trailer package	Trailer hitch w/ 7 prong trailer plug and OEM integrated brake controller
19. Wipers	2 speed intermittent with rain sense feature
20. Mirrors	power adjustable, manual fold, largest available
21. Glass	Deep tinted expect for windshield/front driver & passenger
22. Seats	Front- bucket/cloth Rear- Vinyl 60/40 split

23. Alternator	Minimum of 200 amps with single battery
24. Cab clearance lighting	no
25. Fuel tank	28 gallon minimum
26. Skid Plate	Yes, if available
27. Running Boards	Full length with min. 300 lb. capacity
28. Safety features	Auto emergency braking, fwd. collision alert, lane assist & following distance indicator. Content theft alarm- provision to disable, <u>seat belt extenders for each position</u>
29. Recovery Hooks	Front frame mounted
30. License Plate Bracket	Front and rear
31. Bluetooth, or similar hands-free device	Yes
32. Warranty	Minimum bumper to bumper 3yr/36K Miles, Minimum Powertrain 5yr/60K Miles
33. Roadside Safety Kit	Yes

Specification F

EMS Response Vehicle Emergency Lighting, Cabinetry, HVAC Conversion Up-fit built on a 1/2-ton 2024 Chevy Suburban

General Provisions:

1. The awarded vendor will pick the vehicle up at the Emergency Medical Services Logistics Office located at # 21911 Rudder Lane Georgetown, DE 19947
2. A 5-year written warranty for non-wearing parts on the installed cabinetry, flip up window doors and electric HVAC.
3. Conversion must meet or exceed any applicable State of Delaware Motor Vehicle Code, Federal Motor Vehicle Safety Standards, and all Applicable State, Federal and Industry Standards
4. Vehicles shall be completed and delivered within ninety (90) days from time of receipt of the vehicle by the vendor. A \$ 100.00 per day penalty past the 90 days may be assessed.
5. A pre-scheduled inspection will be permitted during construction. Final inspections will be permitted at the vendor's location prior to delivery.
6. All graphics, striping, and lettering will be performed by Sussex County EMS.
7. Weight documents from a certified scale documenting actual load on front and rear axles and overall weight shall be provided at time of delivery.
8. Awarded vendor shall have/maintain a 24-hour access facility within 30 miles of Sussex County, DE.

Custom Cabinetry Specifications:

1. Prior to construction, the awarded Bidder shall provide three drawings of the installation for the EMS Department to review and approve. The drawings shall show such cabinets locations and dimensions. The drawing shall be a visual interpretation of the unit as it is to be constructed. The buying authority shall sign all drawings. One print shall be retained by the EMS Department, the Dealer shall retain one print, and one print shall be returned

- used as the working copy during manufacturing.
2. Cabinetry will be constructed per the customer's specifications based on 2023 model year in service Suburban as a template. It is the responsibility of the vendor to provide an accurate plan drawn to scale to ensure the plan fits the vehicle prior to constructions. Vehicle specifications are provided in this packet. Bidder is encouraged to schedule an on-site visit to view a current in-service vehicle.
 3. Cabinetry is to be constructed in such a manner as to be re-mountable in a new vehicle. Each section is a specific module allowing easy removal and re-installation in a new vehicle. Each module will be joined to each other with core 20 stainless steel hardware. Cabinetry will be attached to the vehicle using hardened bolts and existing bolt locations on the vehicle, i.e. seat mounting bolts after removal of seat, tie-down points.
 4. Cabinetry sides shall be constructed of 3/4" high density polyethylene. Top surfaces shall be Rhino™ or equivalent coated to provide an anti-slip surface. Bottom and side surfaces can be smooth, and the color will be determined by the EMS Department. Brushed aluminum with recessed screws only on exposed ends. Construction grade adhesive suitable for the purpose will be used on all joints where applicable. In addition, all joints will be secured with non-corroding stainless-steel type screws suitable for the purpose every four to six inches. Screw heads will be recessed and filled so that they are not visible. All hardware will be heavy duty, and of a non-corroding type material suitable for the purpose. The area in the Suburban where the jack is located on the driver's side shall be modified to allow for maximum space for EMS equipment with cut edges rounded to prevent employee injury. The plastic OEM molding when removed leaving exposed body side shall be painted black. All hardware must be stainless steel.

Roll Out Slide Tray:

5. Supply and install a slide out tray frame, a 100% full extension ("Slidemaster" brand) slide rollers and tray must be able to hold six hundred (600 lbs.) pounds. The rollout shelf ("Slidemaster" brand) will have a right pull handle installed. Install a single, 3/4" high density polyethylene tray with Rhino™ or equivalent coated to provide an anti-slip surface with two (2) removable/adjustable metal vertical dividers with slots fabricated/cut to hold two (2) PAX brand bags vertical. The rear of the tray and the OEM tailgate plastic cover shall be cut and then covered with a thin sheet of stainless steel to provide a finished look while maintaining use. If not installed by Slidemaster a secondary pull handle shall be installed to allow

for assisting the movement of the tray, location TBD by SCEMS.

6. A 3” lip will be provided at the front bottom tray to prevent equipment from sliding back when opened.
7. Front edge of shelf shall be constructed of 3/4" high density polyethylene.

Top Shelf:

1. A coated expanded metal or approved product top shelf will be mounted over the roll out slide tray. Aluminum shelf supports will be suitable for the purpose and must secure the shelf from movement during operation. The shelf must be able to hold two-hundred and fifty pounds(250lbs) without precluding the movement of the stored equipment. The shelf will be secured in a way that prevents sagging in the middle. Edge of the shelf shall be brushed aluminum and be installed with 1/4" lip Height of shall be determined by the EMS Department. surfaces shall be Rhino™ or equivalent coated to provide an anti-slip surface.

Front Bulkhead:

1. The front bulkhead made of 3/4” high density black polyethylene shall integrate a 110-volt heater supplied by the EMS Department and have opening to access equipment if the rear hatch failed.

Side Flip Up Doors:

1. The rear driver & passenger side glass shall be removed and replaced with an aluminum door. This door must be fabricated in a manner that is weather tight with a full-length stainless-steel top hinge, shock absorber style opener and automotive style weather seal. Each flip up door shall have two adjustable locks/openers key to # 1250. The door and frame shall be painted a WA8555 satin black automotive paint or powder coated.

Power Points:

1. Install three (3) triple 12v & 2 dual 110V power points. 1st on side of rear shelf, 2nd on passenger side of rear shelf, 3rd 12 volt bottom of top shelf accessible to rear tray. Location TBD by SCEMS. The wiring for these shall be run, secured, and connected. 12-volt power points shall have a protective shield to prevent the plug from breaking.

Opticom:

1. Integrate with OEM to turn off when vehicle is in park, if this is not possible the a manual switch shall be provided and placed on the vehicle steering column that cuts off the Opticom when the vehicle is placed in the "park" position automatically. The light bar (a Whelen Liberty II.) shall be reprogrammed to re-activate the Opticom when vehicle is taken out of the park position

Industrial Grade Power Contact Module:

1. Install an industrial grade contact type device that allows for the 12-volt power to energize three surface mounted 12-volt cigarette style power points that are contained in a protective box with a power small blue LED light on the front of the sliding tray. This will allow the power points to be energized when sliding rear tray is in closed position.

Driver door key: The driver door shall be rekeyed by First State Collision Center in Georgetown to the SCEMS standard key

HVAC System:

Provide and install a cab rooftop variable speed DC R134a refrigeration compressor that requires **no** interface into vehicles existing OEM HVAC system. The unit shall be as compact as possible weighing no more than 40 pounds and maximum height of 9” and a footprint maximum of 30” by 30”. HVAC unit shall be installed in location specified by SCEMS and not to interfere with emergency lighting and communication antennas. The electric HVAC system shall be powered independently using a Xantrex brand 110 volts to 12-volt inverter and a minimum of 125 Ah lithium ion battery for a minimum standalone run time of HVAC system without 110v shoreline power for 120 minutes. Interface to the OEM electrical system for recharge of the lithium ion battery with a battery to battery converter shall be supplied and installed. Install and interface/mount a SCEMS supplied 110-volt heater and connect to the Xantrex converter. The system shall have a HVAC controller installed with the capability of separating heat and air condition at temperature set points established by SCEMS. The system shall have all the appropriate shielding including any exposed lines or wires shall have provisions (shields) for protection and be water tested post installation. Reinforce the roof as needed to support weight and weatherproof.

Supply, Install/wire and program as required the following items:

1. **Light bar-** 54" Whelen with LED Opticom- install on roof with all modules used including front take down and side alley light. The light bar shall be alternating red/blue with tri color on rear to include amber.
 - a. Connect LED Opticom with a "park kill" switch, can use OEM switch to depower when placed in park but must repower when vehicle placed in drive. Program to work only when Federal Pathfinder (PF) is on slide position 1, 2 or 3.
 - b. Alley lights on separate Pathfinder switch, controlled left and right and all on when "scene" light depressed (programmed) on PF
 - c. Take down lights- programmed to flash when on PF on position 3, then light solid when "scene" button selected
 - d. Rear Amber lights- program a "left sequence and a right sequence" button on PF
 - e. Remainder blue/red modules in light bar activate on PF slide position 2 and 3
 - f. Whelen order worksheet must be signed off by customer
2. **Grill-** 6 lights and 2 siren speakers
 - a. 2 Federal MPS123 R/B/W installed on lower front cowl. These lights are red/blue when in slide position 3. Steady burn when "fog light" switch is selected on PF or scene light button activated
 - b. Install 4 Federal MPS 63U R/B/W on front grill, surface mount. These lights are red/blue on PF position 2. On position 3 they are to be programmed for a wig wag headlight pattern. When scene button is activated, they become steady white
 - c. Siren Speakers- Federal, install 2 behind grill, bracket provided
3. **Front side bumper-** 2 lights, one on each side
 - a. Federal 416910Z R/B corner LED
 - b. Program to work on position 1,2 or 3 on PF
4. **Mirrors-** 2 lights on brackets
 - a. Federal MPSW9 RW & BW
 - b. Red/white on drivers side, Blue/white on passenger side
 - c. Program on position 2 & 3 on PF
 - d. Program to be steady white when "scene" depressed
5. **Running Boards-** 1 set of Whelen Tracer 5 lights on each running board
 - a. On position 1, 2 & 3 on PF red/blue
 - b. When 'scene" depressed they are steady white
 - c. When any door opens, they come on as white perimeter lights
6. **Pillar lights-** 6 lights

- a. Top of OEM pillar install 2 Federal 41691OZ corner LED amber, program to position 2 & 3 on PF
- b. Bottom of OEM pillar install Federal MPS63U-RBA, program to position 2 & 3 on PF
- 7. **Tag Lights** 2 lights
 - a. Federal MPS63U RBW on each side of tag, programed on position 1, 2 & 3 of PF
 - b. White to be programmed/wired to come on with reserve light activation
- 8. **Rear Bumper light-** 2 lights
 - a. Federal MPS63URBW programmed on position 1,2 &3 as red/blue
 - b. White to be programmed to come on with reverse lights
- 9. **Rear Hatch lights-** 2 lights
 - a. On rear of hatch install two MPS63U R/B/A
 - b. Program for Amber only to come on when PF in position 1,2 or 3 when hatch is opened
- 10. **Interior lights-** 5 lights
 - a. 1 Federal dome light clear/red over center console wired to door open switch
 - b. 1 Sound off signal light over center of 2nd row seats, wired to door open switch
 - c. 2 Sound off signal lights on each side of rear flip up doors, wired to door open switch
 - d. 1 Sound off signal on rear interior hatch, wired to door open switch
- 11. **Scene Lights-** Whelen Pioneer Summit model # 01 0447823-10-B
 - a. on roof near luggage rack, one on side
 - b. Program to PF on "scene" button
- 12. **Tablet swing up mount-** install
 - a. consistent power cable for modem & tablet
 - b. Havis C-DMV-3019 mount
 - c. DS= PAN-722-3 tablet cradle
 - d. SCEMS to supply tablet & Cradlepoint modem
 - e. Provide on side of console an on/off switch to turn off/on power to modem & tablet
- 13. **Console-** Havis
 - a. Remove OEM center section, reconnect OEM security features
 - b. Havis console C-VS-1012-TAH1 22"
 - c. one-piece Federal Pathfinder
 - i. Install horn/ring function to OEM horn
 - ii. Install function that provides for siren tone changing by activation of OEM horn when PF siren is on
 - d. provide power for SCEMS provided one piece radio 800 radio e. Install filler plates
 - f. 2 set of cup holders , 2 adjustable Havis arm rests
 - g. 1 USB, 1 UBC-C , 2 cigarette style 12 V power (filler) strip- power 100% consistent

power

- h. Install a Steamlight S-2L 20-LP flashlight with 12 V cup charger at location TBD
- i. Garmin power wire in overhead console, hang by rear view mirror
- j. Mag Mount for 800 radio microphone
- k. Install a customer supplied Motorola 6500 once piece radio in console with appropriate filler plate
- l. Install customer supplied 800 radio speaker, location TBD

14. **Install shoreline**

- a. Install shoreline 30 am twist lock plug on rear of bumper
- b. 110 V power to junction box with location TBD
- c. Install a relay to lock out engine starter when shoreline is connected to 110-volt power
- d. Install shoreline indicator light – green minimum of ½” in diameter

15. **Roof**

- a. Install SCEMS provided 800 MHz antenna and run cabling for 800 radio to console
- b. Install SCEMS supplied modem antenna and run cabling to modem in console

16. **Back up alarm**

- a. Install , shall activate when vehicle placed in reverse and have no cut off switch

17. **Main power disconnect**

- a. Provide and install a main power circuit breaker with a manual disconnect to isolate all added equipment, location same as 2023 SCEMS Suburban
- b. Supply and replace an Odyssey performance ODP-AGM94R H7L4 deep cycle battery in place of OEM

Specification G One Ton SRW 6.85' Pickup style truck upfit

Provide and Install HVAC system

General Provisions:

- 1 The awarded vendor will pick the vehicle up at the Emergency Medical Services Logistics Office located at # 21911 Rudder Lane Georgetown, DE 19947
- 2 A 5-year written warranty for non-wearing parts on the installed cabinetry, electric HVAC.
- 3 Conversion must meet or exceed any applicable State of Delaware Motor Vehicle Code, Federal Motor Vehicle Safety Standards, and all Applicable State, Federal and Industry Standards
- 4 Vehicles shall be completed and delivered within ninety (90) days from time of receipt of the vehicle by the vendor. A \$ 100.00 per day penalty past the 90 days may be assessed.
- 5 A pre-scheduled inspection will be permitted during construction. Final inspections will be permitted at the vendor's location prior to delivery.
- 6 All graphics, striping, and lettering will be performed by Sussex County EMS.
- 7 Weight documents from a certified scale documenting actual load on front and rear axles and overall weight shall be provided at time of delivery.
- 8 Awarded vendor shall have/maintain a 24-hour access facility within 30 miles of Sussex County, DE.

HVAC System

Provide and install a cab rooftop variable speed DC R134a refrigeration compressor that requires **no** interface into vehicles existing OEM HVAC system. The unit shall be as compact as possible weighing no more than 40 pounds and maximum height of 9" and a footprint maximum of 30" by 30". HVAC unit shall be installed in location specified by SCEMS and not to interfere with emergency lighting and communication antennas. The electric HVAC system shall be powered independently using a Xantrex brand 110 volts to 12-volt inverter and a minimum of 125 Ah lithium ion battery for a minimum standalone run time of HVAC system without 110v shoreline power for 120 minutes. Interface to the OEM electrical system for recharge of the lithium ion battery with a battery to battery converter shall be supplied and installed. Install and interface/mount a SCEMS supplied 110-volt heater and connect to the Xantrex converter. The system shall have a HVAC controller installed with the capability of separating heat and air condition at temperature set points established by SCEMS. The system shall have all the

appropriate shielding including any exposed lines or wires shall have provisions (shields) for protection and be water tested post installation. Reinforce the roof as needed to support weight and weatherproof.

Driver door key: The driver door shall be rekeyed by First State Collision Center in Georgetown to the SCEMS standard key

Supply, Install/wire and program as required the following items:

Grill- Install 4 lights and 2 siren speakers

Install 4 Federal MPS 63U R/B/W on front grill, surface mount. These lights are red/blue on Pathfinder position 2. On position 3 they are to be programmed for a wig wag headlight pattern. When scene button is activated, they become steady white
Siren Speakers- Federal, install 2 behind grill

Front bumper- install 2 lights, one on each side

Federal 416910Z R/B corner LED

Program to work on position 1,2 or 3 on PF

Running Boards- install 1 set of Whelen Tracer lights on each running board

On position 1, 2 & 3 on PF red/blue

When 'scene" depressed they are steady white

When any door opens, they come on as white perimeter lights

Rear tailgate- install 1 Whelen Tracer lights inside cap rear window

On position 1, 2 & 3 on PF red/blue

When 'scene" depressed they are steady white

When any door opens, they come on as white perimeter lights

When vehicle placed in reverse they activate white

Over the fender lights

Install over each fender Federal MPS63U R/B?W

On position 1, 2 & 3 on PF red/blue

When 'scene" depressed they are steady white

Visor Lights

Install 2 visor lights Federal Spectralux ILS low profile- program to pathfinder on position 2 & 3 in a random pattern. Program white to activate with scene lights

Tablet swing up mount- install

Install consistent power cable for modem & tablet

Havis C-DMV-3019 mount

DS=PAN-722-3 tablet cradle

SCEMS to supply tablet & Cradlepoint modem

Provide on the side of console an on/off switch to turn off/on power to modem & tablet

Install console- Havis 8" hump console C-AS-840-11

Install one-piece **Federal Pathfinder**

- iii. Install horn/ring function to OEM horn
- iv. Install function that provides for siren tone changing by activation of OEM horn when PF siren is on

Install and provide power for SCEMS provided one piece radio 800 radio Install equipment & console filler plates

Install 2 set s/rows of adjustable Havis cup holders

Install USB, USB-C & 12 V power (filler) strip- power 100% consistent power

Install Steamlight S-2L 20-LP flashlight with 12 V cup charger at location TBD

Install a Garmin power wire in overhead console, hang by rear view mirror

Install a Mag Mount for 800 radio microphone

Install a customer supplied Motorola 6500 once piece radio in console with appropriate filler plate

Install customer supplies 800 radio speaker, location TBD

Install/supply shoreline

Install shoreline 30 am twist lock plug on rear of bumper

110 V power to junction box with location TBD

Install a relay to lock out engine starter when shoreline is connected to 110-volt power

Install shoreline indicator light Min diameter green ½"

Roof

Install SCEMS provided 800 MHz antenna and run cabling for 800 radio to console

Install SCEMS supplied modem antenna and run cabling to modem in console

Back up alarm

Install provided, shall activate when vehicle placed in reverse and have no cut off switch

Main power disconnect

Provide and install a main power circuit breaker with a manual disconnect to isolate all added equipment

Supply & Install an Odyssey performance ODP-AGM94R H7L4 deep cycle battery

END