



NOTICE TO BIDDERS

Pursuant to G.S. 143-129, the Town of Emerald Isle invites receipt of bids from all responsible bidders until 2:00 PM EST on 3 January 2023 in the office of the Town Manager located at 7500 Emerald Drive, Emerald Isle, NC 28594, at which time they will be read aloud and made available for public inspection for the purchase of the following:

(Qty 2) Emergency Advanced Life Support Ambulance Apparatus

Complete specifications and other bidding documents may be obtained from the Town's website at <https://www.emeraldisle-nc.org/> and at the Emerald Isle Fire Department 7516 Emerald Drive, Emerald Isle, NC 28594 between the hours of 9:00 a.m. and 2:00 p.m., Monday through Friday or from Chief William Walker, by request via email to bwalker@emeraldisle-nc.org. The Town reserves the right to reject any or all bids or award bids to the lowest responsible bidder, taking into account price, features, support, time and other factors specified in the proposals for the performance of the contract.

No facsimile or electronic submissions will be accepted.

TOWN OF EMERALD ISLE

6 December, 2022

INVITATION FOR SEALED BID

(Qty 2) Emergency Advanced Life Support Ambulance Apparatus

The Town of Emerald Isle invites receipt of bids from all responsible bidders for **(2) Emergency Advanced Life Support Ambulance Apparatus**. Bids will be received until **2:00 PM EST on 3 January, 2023** in the office of the Town Manager, 7500 Emerald Drive, Emerald Isle, NC 28594. The words “(Qty 2) Emergency Advanced Life Support Ambulance Apparatus”, the date, and bid opening time shall be stated on the front of the bid envelope.

PUBLIC BID OPENING WILL BE AT 2:00 PM EST ON 3 January, 2023 at the office of the Town Manager located at 7500 Emerald Drive, Emerald Isle, NC 28594.

CONTACT FOR COMMUNICATIONS REGARDING THIS INVITATION FOR BID:

William Walker, Fire Chief

Emerald Isle Fire Department Station 1, 7516 Emerald Drive Emerald Isle, NC 28594

Telephone: 252-354-2445 | Email: bwalker@emeraldisle-nc.org

CONTACT FOR COMMUNICATIONS REGARDING SPECIFICATIONS:

William Matthias, Deputy Chief

Emerald Isle Fire Department Station 1, 7516 Emerald Drive Emerald Isle, NC 28594

Telephone: 252-354-2445 | Email: bmatthias@emeraldisle-nc.org

All questions pertaining to this invitation to bid must be submitted in writing to the person designated above no later than 16 December 2023 at 1:00 PM. Only written questions (email is sufficient) will be considered as formal. Answer to any questions the Town determines are pertinent to all bidders will be published to all bidders as additional information relevant to this invitation to bid.

Copies of the specifications and other bidding documents may be obtained from the Town’s website at: <https://www.emeraldisle-nc.org/> and in the Emerald Isle Fire Station 1.

Please list in your bid responses if you are unable to conform to any of the listed specifications. Failure to strictly conform to the specifications may not necessarily disqualify your bid, but you must explain such variation.

By signing the Bid Proposal, Bidder hereby proposes to furnish all materials, tools, machinery, equipment, apparatus, labor, and all means necessary to perform all work in connection with the **(Qty 2) Emergency Advanced Life Support Ambulance Apparatus** in accordance with this invitation to bid, and at the prices stated hereinafter.

The undersigned has carefully examined the scope of this work, has informed him/herself fully in respect of the Terms and Conditions and any general or special condition relating thereto.

AWARDING OF CONTRACT

The contract will be awarded to the respondent offering the lowest responsible responsive bid to the Town taking into account price, features, support, time and other factors specified herein. The Town staff will evaluate individual submittals in context of the respondent's overall capabilities and pricing provided in each response. It will be at the Town's discretion to determine the respondent who has offered the lowest responsible responsive bid. Consideration will be given to only those quotes received from contractors who are properly licensed, bonded, and experienced in assembling the class of apparatus being requested.

All bid proposals shall include and will be evaluated on the following criteria, listed not necessarily in order of importance:

- Conformance to the supplied specifications
- Features provided
- Price
- Estimated delivery time
- Extent to which resources and equipment are designed and built in-house

The Town also reserves the right to reject any and all offers and to waive informalities or technicalities as it may deem to be in its best interest.

For any proposal to be considered or accepted by the Town, at the time of filing, a bid bond will be required in the amount of 10% of the total bid price. The bid bond must be executed by a corporate surety licensed under the laws of North Carolina to execute such bonds, conditioned that the surety will immediately upon demand make payment to the obligee upon said bond if bidder fails to execute the contract in accordance with the bid bond.

A performance bond will be required to be supplied by the successful bidder until such time as the Town takes possession of the apparatus.

Bids shall only be considered from companies that have an established reputation in the field of custom ambulance manufacture and have an established client base. Professional service, service center, and ability to provide a customer client list. Please list nearest service center for repair and supply a client base list.

BID PROPOSAL
(Qty 2) Emergency Advanced Life Support Ambulance Apparatus

TOTAL BID AMOUNT: _____

ESTIMATED DELIVERY DATE: _____

Proposal of _____ (herein called
“**Bidder**”, organized and existing under the laws of the State of _____
doing business as (insert “a corporation”, “a partnership”, or as “an individual” as applicable)
_____ to the **TOWN OF EMERALD ISLE** (Hereinafter called
“**Town**”).

By: _____ (Signature)

Name: _____

Title: _____

Telephone: _____

Email: _____

Date: _____

Equivalent and compatible products to any listed brand specific or trademark products shall be acceptable.

All documentation shall be included within the seal bid stating the equivalent, compatible, trademarked, brand name products technical specifications.

Ambulance Manufacture closest service center= _____

Attach client list with bid ___

TERMS AND CONDITIONS

1. **General.** Bids are to be submitted in accordance with the enclosed specifications and these Terms and Conditions, both of which require doing all that is necessary, proper, or incidental to the furnishing of the equipment and materials identified herein. All things not expressly stated in the attached specifications or Terms and Conditions but necessary in carrying them out must be included in bidder's proposal as though they were specifically stated. The Town of Emerald Isle (the "Town") objects to and will not evaluate or consider any additional terms and conditions submitted with a Bidder response. This applies to any response appearing in or attached to the proposal as part of the Bidder's response. **DO NOT ATTACH ANY ADDITIONAL TERMS AND CONDITIONS.** By execution and delivery of a proposal, Bidder agrees that any additional terms and conditions, whether submitted purposely or inadvertently, shall have no force or effect. It shall be the Bidder's responsibility to read this entire document, review all enclosures and attachments, and comply with all requirements specified herein.
2. **Signature on Bid.** Every bid must be signed by an individual with actual authority to bind the bidding party. Failure to sign a bid may result in the bid being deemed non-responsive, and being rejected.
3. **Rights to Submitted Material.** All bids and supporting materials, as well as correspondence relating to this request for bids, shall become the property of Town. The content of all submittals will be held confidential until the selection is made. Bids will be reviewed by the Fire Chief, as well as other Town staff and members of the general public who submit public record requests.
4. **Bid Opening.** Bids will be received until 2:00 PM EST on 3 January 2023 at Emerald Isle Town Administrative Offices, at which time they will be read aloud and made available for public inspection. The Town reserves the right to postpone bid openings for its own convenience.
5. **Amendment/ Alteration.** Any and all amendments, alterations or other revisions to these Terms and Conditions or the Specifications that follow shall be made only by written addendum from the Town. Therefore, no oral statements by any person shall modify or otherwise affect the terms, conditions, or specifications stated in these invitations for bids. The Bidder is cautioned that the requirements of this bid can be altered only by written addendum and that verbal communications from whatever source are of no effect.
6. **Federal Funds and Procurement Guidelines.** The Town and bidder will adhere to all federal procurement guidelines in this project. The following federal provisions apply pursuant to 2 C.F.R. § 200.327 and 2 C.F.R. Part 200, Appendix II (as applicable), and are contained in Appendix 3 - Federal Contract Clauses. This attachment will be incorporated into the contract document.
7. **Small and Minority, Women's Business Enterprise (SMWBE).** If subcontracts are to be let, the proposer shall take the affirmative steps, as outlined in 2 CFR §200.321(a), §200.321(b)(1)-(5).

8. **Timeline.** Provided below is a list of the anticipated schedule of events related to this solicitation. The Town reserves the right to modify and/or adjust this schedule to meet the needs of the project. All times shown are Eastern Time (ET):
- Advertisement Date- 6 December, 2022
 - Deadline for questions- 16 December, 2022
 - Town response to questions- 20 December, 2022
 - Bid submission Due Date and time- 3 January, 2023, 2 PM
 - Town staff Evaluation meeting (anticipated)- 3 January, 2023
 - Selection Announcement (anticipated)- 5 January, 2023
 - Contract signing (anticipated)- 6 January, 2023
9. **Minor Deviations/Exceptions to Specifications.** Minor deviations from the provisions of these specifications may be considered to permit manufacturers to follow their standard manufacturing processes; however, all such proposed deviations or alterations must be explained in detail and submitted Bidder's proposal by the time of bid opening.
10. **Bidder's Expenses.** The Town accepts no responsibility for any expense incurred by the Bidder in the preparation and presentation of a bid. Such expenses shall be borne exclusively by the Bidder.
11. **Acceptance and Rejection.** The Town reserves the right to reject any and all bids, in whole or in part, by deeming the same unsatisfactory as to quality or quantity, delivery, price or service offered, non-compliance with the specified requirements, error(s) in specifications or indications that revision would be advantageous to the Town, cancellation or other changes in the intended project or any other determination that the proposed requirement is no longer needed, limitation or lack of available funds, circumstances that prevent determination of the best offer, or any other determination that rejection would be in the best interest of the Town. The Town further reserves the right to waive any informality in bids and, unless otherwise specified by the Bidder, to accept any item in the bid. If either a unit price or an extended price is obviously in error and the other is obviously correct, the incorrect price will be disregarded. Regardless of error or omission a Vendor shall not be permitted to increase its pricing after the deadline for submitting bids.
12. **Firm Offer.** All bids shall constitute a firm offer. By execution and delivery of a bid in response to a solicitation document, Bidder agrees that any additional or modified terms and conditions, whether submitted purposefully or inadvertently, shall have no force or effect, and will be disregarded. Any bid that contains language that indicates the bid is non-binding or subject to further negotiation before a contractual document may be signed may be rejected outright.
13. **Negotiations When All Bids Exceed Funds Available.** Notwithstanding the foregoing, the formal bidding statute allows negotiation with bidders when all bids are in excess of the funds available for the purchase. Value engineering is permissible only if all bid prices are over the amount of funds budgeted for the project. G.S. 143-129(b) ("In the event the lowest responsible bids are in excess of the funds available for the project or purchase, the responsible board or governing body is authorized to enter into negotiations with the lowest responsible b. . . making reasonable changes in the plans and specifications as may be

necessary to bring the contract price within the funds available.”). In this case, the Town may elect to negotiate with the lowest responsive Bidder and make reasonable changes in the scope and specifications as necessary to bring the contract price within the funds available.

14. **Inspection of Bidder’s Site.** The Town reserves the right to inspect, at a reasonable time, and at the Town’s own cost, the equipment, item, plant or other facilities of a prospective Bidder prior to contract award, and during the contract term as necessary for the Town’s determination that such equipment, item, plant or other facilities conform with the specifications/requirements and are adequate and suitable for the proper and effective performance of the contract.
15. **Authority to Transact Business in North Carolina.** As a condition of contract award, each out-of-State Bidder that is a corporation, limited-liability company or limited liability partnership warrants that at the time of contracting and throughout the term of the contract, it has obtained appropriate authority to transact business in North Carolina from the North Carolina Secretary of State, as required by North Carolina law. Upon request each such Bidder will produce proof of authority. A contract requiring only an isolated transaction that may be completed within a period of six months, and not in the course of a number of repeated transactions of like nature, shall not be considered as transacting business in North Carolina and shall not such authorization.
16. **Historically Underutilized Businesses.** The Town is committed to supporting bidders with diverse and historically underrepresented backgrounds, and it invites and encourages participation in the bidding process by businesses owned by minorities, women, disabled, disabled business enterprises and nonprofit work centers for the blind and severely disabled. In particular, the Town encourages participation by bidders certified by the State Office of Historically Underutilized Businesses, as well as the use of HUB-certified vendors as subcontractors where appropriate.
17. **Ineligible Bidders.** As provided in G.S. 147-86.59 and G.S. 147-86.82, certain companies are ineligible to contract with the State of North Carolina or any political subdivision of the State, as follows: (a) any company identified as engaging in investment activities in Iran, as determined by appearing on the Final Divestment List created by the State Treasurer pursuant to G.S. 147-86.58, and (b) any company identified as engaged in a boycott of Israel as determined by appearing on the List of restricted companies created by the State Treasurer pursuant to G.S. 147-86.81. All individuals signing this bid on behalf of a Bidder certify that the company they are signing for is not a company identified in (a) or (b) above.
18. **Confidential Information in Bids.** To the extent permitted by applicable statutes and rules, the Town will maintain as confidential trade secrets in its bid that the Bidder does not wish disclosed. As a condition to confidential treatment, each page containing trade secret information shall be identified in boldface at the top and bottom as “CONFIDENTIAL” by the Bidder, with specific trade secret information enclosed in boxes, marked in a distinctive color or by similar indication. Cost information shall not be deemed confidential under any circumstances. Regardless of what a Bidder may label as a trade secret, the determination whether it is or is not entitled to protection will be determined in accordance with G.S. 132-

1.2. Any material labeled as confidential constitutes a representation by Bidder that it has made a reasonable effort in good faith to determine that such material is, in fact, a trade secret under G.S. 132-1.2. Bidders are urged and cautioned to limit the marking of information as a trade secret or as confidential so far as is possible. If a legal action is brought to require the disclosure of any material so marked as confidential, the Town will notify Bidder of such action and allow Bidder to defend the confidential status of its information.

19. **Firm Offer.** All bids shall constitute a firm offer. By execution and delivery of a bid in response to a solicitation document, Bidder agrees that any additional or modified terms and conditions, whether submitted purposefully or inadvertently, shall have no force or effect, and will be disregarded. Any bid that contains language that indicates the bid is non-binding or subject to further negotiation before a contractual document may be signed shall be rejected.
20. **Indemnification.** Bidder covenants to save, defend, keep harmless and indemnify the Town and all of its officers, departments, agencies, agents and employees from and against all claims, loss, damage, injury, fines, penalties, and cost-including court costs and attorney's fees, charges, liability and exposure, however caused resulting from, arising out of, or in any way connected with Bidder's negligent performance or nonperformance of the terms of the contract.
21. **Non-Assignment.** During the performance of the contract, the Bidder shall not assign, transfer, convey, sublet, or otherwise dispose of any award of or any or all of its rights, title, or interest therein, without the prior written consent of the Town of Emerald Isle.
22. **Lobbying.** By responding to this solicitation, the Consultant certifies that it has not and will not pay any person or firm to influence or attempt to influence an officer or employee of Emerald Isle or the State of North Carolina, or any elected official in connection with obtaining a contract as a result of this RFQ.
23. **Gifts and Favors.** Consultant shall become aware of and comply with laws related to gifts and favors, conflicts of interest and the like, including N.C.G.S. §14-234, N.C.G.S. §133-1, and N.C.G.S. §133-32
24. **Insurance Requirements.** In the interest of ensuring the apparatus and assuming general liability through delivery to the Town, Bidder shall maintain at its own expense:
 - a. Commercial General Liability Insurance in an amount not less than \$1,000,000 per occurrence for bodily injury or property damage; Town of Emerald Isle shall be named as additional insured.
 - b. Professional Liability Insurance in an amount not less than \$1,000,000 per occurrence-if providing professional services.
 - c. Workers Compensation Insurance as required by the general statutes of the State of North Carolina and Employer's Liability Insurance not less than \$500,000 each

accident for bodily injury by accident, \$500,000 each employee for bodily injury by disease, and \$500,000 policy limit.

Certificates of Insurance, as applicable, shall be furnished prior to the commencement of Services.

SPECIFICATION FOR (QTY 2)
Emergency Advanced Life Support Ambulance Apparatus

See Appendix 2

APPENDIX 1

Acknowledgement and Certification Forms

ADDENDUM ACKNOWLEDGEMENT

The proposer acknowledges that he/she has received the following addendum:

ADDENDUM NO. _____ DATED _____

ADDENDUM NO. _____ DATED _____

ADDENDUM NO. _____ DATED _____

ADDENDUM NO. _____ DATED _____

ADDENDUM NO. _____ DATED _____

Proposer Firm Name: _____

Address: _____

Title: _____

Phone No.: _____

FAX No.: _____

CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements

APPENDIX A, 44 C.F.R. PART 18 –

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. The Contractor, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. Chap. 38, Administrative Remedies for False Claims and Statements, apply to this certification and disclosure, if any.

Proposer's/Contractor's name

Signature of Proposer's/Contractor's Authorized Official

Name and Title of Proposer's/Contractor's Authorized Official

Date: _____

IRAN DIVESTMENT ACT CERTIFICATION

Proposer hereby certifies that he, and all subcontractors, are not on the Iran Final Divestment List (“List”) created by the North Carolina State Treasurer pursuant to N.C.G.S. 143-6A-4. If awarded the contract, Proposer shall not utilize any subcontractor that is identified on the List.

Proposer’s/Contractor’s name

Signature of Proposer’s/Contractor’s Authorized Official

Name and Title of Proposer’s/Contractor’s Authorized Official

Date: _____

CERTIFICATION OF NO DEBARMENT OR SUSPENSION

Proposer/Contractor acknowledges that a contract award (see 2 CFR 180.220) must not be made to parties listed on the government wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

Proposer/Contractor certifies that at the time of making his proposal, and if selected as the contractor, at the time of contract execution, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation by any federal department or agency.

Proposer's/Contractor's name

Signature of Proposer's/Contractor's Authorized Official

Name and Title of Proposer's/Contractor's Authorized Official

Date: _____

**Small and Minority Business, Women’s Business Enterprises (SMWBE), and Labor Surplus Area Firms
Utilization Plan**

Company Name (Proposer):	
Project Name:	

2 CFR §200.321 requires local governments to take all necessary affirmative steps to assure that minority business, women’s business enterprises, and labor surplus area firms are used when possible. The Town requires that proposers, **if subcontracts are to be let**, to take affirmative steps as cited in RFP Section 7. Small and Minority Businesses, Women’s Business Enterprises (SMWBE), and Labor Surplus Area Firms Opportunity Program Requirements. Please describe your firm’s plan for identifying and potential use of SMWBE and Labor Surplus Area Firms. Additional pages may be attached, as necessary.

If **no** subcontracts are to be let, please certify by signature below.

_____ (Contractor Name) certifies that no subcontracts are to be used in the performance of this work.

Print Name: _____

Signature: _____

Date: _____

E-VERIFY COMPLIANCE CERTIFICATION

Proposer hereby certifies that the U.S. Department of Homeland Security’s E-Verify system will be used to verify the employment eligibility of all new employees hired by the contractor during the contract term, and shall expressly require any subcontractors performing work or providing services pursuant to the contract to likewise utilize the U.S. Department of Homeland Security’s E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term; and shall provide documentation of such verification to the TOWN upon request.

=====

As the person authorized to sign this statement, I certify that this company complies/will comply fully with the above requirements.

DATE: _____

COMPANY: _____

SIGNATURE: _____

PRINTED NAME: _____

TITLE: _____

ADDRESS: _____

E-MAIL: _____

PHONE NO.: _____

CONFLICT OF INTEREST DISCLOSURE FORM

For purposes of determining any possible conflict of interest, all proposer must disclose if any Commissioner, the mayor, employee, or member of any appointed board, of the Town of Emerald Isle, or their spouses, is a corporate officer, director, employee, consultant, or subcontractor of the proposer.

Indicate either “yes” or “no”. If yes, give person(s) name(s) and position(s) with your business.

YES _____ NO _____

NAME(S)	POSITION(S)
_____	_____
_____	_____
_____	_____
_____	_____

FIRM NAME: _____

BY (PRINTED): _____

BY (SIGNATURE): _____

TITLE: _____

ADDRESS: _____

PHONE NO. _____

APPENDIX 2-

TYPE I - AMBULANCE - 72" INTERIOR HEADROOM

SPECIFICATION INTENT: Type I (168-170)-inch module, constructed with not less than a 72-inch interior module height, an overall length of 300 inches.

One (1) CHASSIS - FORD F-450, RAM 4500, or GM 4500, 4x4

MECHANICAL

- Axle - Mono beam front axle w/coil spring suspension or equivalent
- Rear-axle "Standard" width 4.10 Limited-slip w/DRW or equivalent
- Battery - Batteries Dual 750 CCA
- Brakes – Four-wheel Disc Brakes; Anti-lock Brake System (ABS)
- Emission 50-State Emissions System
- Engine —TURBO DIESEL
- Engine block heater
- Operator Commanded Regeneration
- Tires - 225/70Rx19.5G BSW A/S or Equivalent
- Transmission – Automatic (Heavy Duty)

FUNCTIONAL

- Alternators: Dual extra heavy duty
- Ambulance Prep Package
- Hood release
- Horn - dual electric
- Oil minder system
- Shift - Electronic-Shift-On-the-Fly – 4X4
- Shock absorbers - heavy -duty gas
- Spare Tire, Wheel and Jack (Excludes carrier; includes Hydraulic Jack Springs, rear auxiliary
- Stabilizer bars – front & rear
- Trailer Brake Controller

EXTERIOR

- Back Panel, rear - solid, no sliding rear window
- Bumper – front, chrome
- Color – OEM RED
- Clean Idle Decal, CAL SER VEH EXP
- Fender vents – front
- Front License Plate Bracket
- Fuel Tank, 40 gallon or more
- Glass – privacy
- Grille – two (2) bar, bright chrome
- Preferred Equipment Package
- Scuff plates – front, color-coordinated
- Splash Guards/Mud Flaps – Front
- "Three Blink" Lane change signal
- Tow hooks – front (2)
- Trailer wiring – 7 wire harness w/relays, blunt cut & labeled
- Wheels – 19.5" Argent Painted Steel
- Windshield Wipers – intermittent

INTERIOR/COMFORT/CONVENIENCE

- LCD Productivity Screen in IP Cluster w/Compass display
- (2) 12V Power point, auxiliary
- Air conditioning – single-zone, manual
- Air conditioning vents – black w/chrome ring and knob
- AM/FM Stereo Single-CD/MP3 Player, Clock
- Auxiliary audio input jack
- Cabin Air Particulate Filter
- Carpet Delete
- Coat hooks, LH/RH color-coordinated

- Cruise Control
- Dash top tray
- Dome lamp – LH/RH door activated & I/P switch operated w/delay
- Door locks w/ backlit switches
- Door-trim – soft armrest, grab handle, power window/lock switches and reflector; front map pockets
- Floor Mats – all weather
- Gauges & Meters - Fuel , Transmission temperature, Engine coolant temperature, Oil pressure (gas engine), and Turbo (diesel engine) gauges, Speedometer, Odometer, and Tachometer
- Handles, grab – driver & front-passenger Handles, roof ride – front-passenger (also over rear-doors on Crew Cab)
- Headrests - driver and passenger 4 way adjustable
- Map lights – dual LED
- Mirror – rearview 11.5" day/night
- Outside Temperature Display
- Power Equipment Group – 1ST row (front-seat) windows w/one-touch up/down,
- Seat –Front, Cancer Reduction Vinyl for cleaning purpose 40/20/40 cloth medium earth gray split bench - 20% center under-seat storage, –
- Steering – power
- Steering wheel – Black urethane with tilt and telescoping steering wheel/column; includes three (3) button message control
- Sun visors – color-coordinated cloth, driver w/pocket, both driver and passenger w/covered mirrors
- Upfitter Interface Module
- Upfitter switches – 6 located in Overhead Console

SAFETY/SECURITY

- AutoLamp – Auto On/Off Headlamps
- Belt-Minder® (front safety belt reminder)
- Driver and passenger frontal and side airbag/curtain; passenger side deactivation switch
- Headlamps – Quad beam jewel effect halogen
- Lamps – Roof marker/clearance – LED
- Mirrors – manually telescoping/folding trailer tow with power/heated glass, heated convex spotter mirror, integrated clearance lamps/turn signals

- Remote keyless entry and Perimeter anti-theft alarm
- Safety Belts – color-coordinated w/height adjustment (front-outboard seating positions only)
- SecuriLock® Passive Anti-Theft System (PATS)
- Stationary Elevated Idle Control (SEIC)
- SOS Post-Crash Alert System™
- Underhood service light

DRIVER ASSIST

- AutoLamp (Auto On/Off Headlamps) with Rainlamp Wiper Activated Headlamps
- Cruise control (steering wheel-mounted)
- SYNC® with MyFord® – Voice-activated Communications and Entertainment System with 911 Assist® and AppLink™

WEIGHT RATINGS

- FRONT AXLE WEIGHT RATING 7000 or Equivalent
- REAR AXLE WEIGHT RATING 12000 or Equivalent
- GROSS VEHICLE WEIGHT RATING 16500 or Equivalent

One (1) ALUMINUM WHEELS - ORDERED WITH CHASSIS

Aluminum wheels shall be ordered with the chassis. These will include the hub, hat and lug covers.

One (1) FUEL TANK - FULL UPON FACTORY RELEASE

The chassis fuel tank of the completed unit shall be full at time of release from the ambulance manufacturer's facility.

One (1) SUSPENSION - LIQUID SPRING

A CLASS®, or Compressible Liquid Adaptive Suspension System, shall be provided and installed. Utilizing a strut, with a compressible fluid as the spring/damping medium, and its sophisticated on-board microprocessor, CLASS® adapts the entire vehicle's response to road variations and the driver. Unlike current steel and air sprung suspension systems, CLASS® can automatically and instantaneously change the spring stiffness and damping at each wheel over a very broad range with minimal power consumption while the vehicle is being driven and without driver intervention. The system shall include an automatic lowering feature, which is activated by opening the rear patient compartment doors. There shall be a switch near the rear doors which will defeat the lowering feature.

One (1) INBOARD ARM RESTS FOR ALUMINUM CONSOLE

Inboard arm rests shall be provided and installed for both the driver's and passenger's seats in the cab. (Aluminum consoles only; cannot be used as an option on ABS).

One (1) BATTERY - TWO SYSTEM

The vehicle shall have a 12 V two (2) battery system rated at 1500 cold cranking amps. Both batteries shall be securely installed under the vehicle hood.

One (1) ENGINE BLOCK HEATER - OEM PLUG

An engine block heater shall be included in the chassis with the 125 VAC power cord, located under the hood.

One (1) FLOOR CONSOLE - ANGLED FACE REMOVABLE PLATES - ALUMINUM

A center floor console manufactured out of aluminum and covered in a black onyx scratch resistant, multiuse polychromatic coating with a clear epoxy finish shall be installed in the cab. The console shall include an angled face to accommodate the Weldon Vista display. The lower portion of the console shall consist of a flat area that shall contain the siren, two (2) drink holders (Large enough for yeti), and then to the rear center a recessed storage area for maps and reports. The console face plates shall be removable for accessibility and serviceability. The Console System is to be SAE J3043 Ambulance Equipment Mount Device or Systems compliant and shall be labeled with its weighted capacity.

One (1) HEAT SHIELDS, PROTECTIVE

Three (3) aluminized steel protective heat shields shall be installed to the upper laterals above the exhaust system to help protect the module from the chassis exhaust system heat. This shall meet OEM guidelines for heat shields.

One (1) HIGH IDLE SYSTEM, AUTOMATIC

An aftermarket auto high-idle system shall be provided on the chassis. The high-idle shall be programmed to activate when the transmission is placed in the park position and the parking brake is activated. The system will automatically go to high idle but will adjust itself as needed for higher or lower idle. If the module heat or a/c is activated the high idle will be overridden to 1500 rpm.

One (1) MIRRORS, EXTERIOR OEM MANUAL TELESCOPING W/REMOTE & HEAT

The chassis shall have OEM telescopic trailer tow mirrors with power adjustable flat heated glass and manual adjustable convex glass.

One (1) OEM AUTO-LOCK DISABLED (cab & module doors do not auto lock or unlock)

The OEM auto-lock feature will be disabled.

One (1) RUNNING BOARDS - STAR PUNCHED DIAMOND PLATE

Aluminum diamond plate running boards with a star punched non-skid surface shall be provided on the cab. The running boards shall be bright dip anodized after they are formed to retain finish and increase corrosion resistance.

One (1) ELECTRICAL SYSTEM - WELDON V-MUX, MICRO PROCESSOR BASED

A Weldon V-MUX 100% solid state microprocessor based multiplex system shall be installed to control the electrical functions. The system shall include load management, load shedding, power modulation, load sequencing capabilities and provide on-board diagnostics with real-time status reporting. The system shall consist of one (1) color control console (Vista) in the cab, one (1) color control console (Vista) in the patient compartment, a total of three (3) control nodes: two (2) High Content nodes and one (1) 8 X 16 node, and a module warning display with video input and monitoring capabilities.

The system must be a Weldon V-MUX. No exception.

One (1) VISTA IV MCC - PUSH BUTTON

A Weldon V-MUX Vista IV interface module / display screen shall be provided and installed in the cab. The Vista module shall be operated through the use of push buttons.

Two (2) VISTA IV ACP - PUSH BUTTON

A Weldon V-MUX Vista IV interface module / display screen shall be provided and mounted on an angled flip - down panel with chrome lever latches, in the patient compartment ACP area. The Vista module shall be operated through the use of push buttons. A temperature sensor shall be mounted to the bottom of the ACP panel. Second Vista on curbside wall area TBD.

One (1) WARNING DISPLAY - MULTIPLEX ELECTRICAL SYSTEM

A digital warning display shall be integrated into the cab display console and programmed through the multiplex system to provide visual and audible indications for:

- Parking brake set condition
- Parking brake release condition
- Patient status alarm (four color with reset capability)
- Individual outside storage compartment "door open" warnings in vehicle outline form.
- Low voltage alarm
- Low oxygen pressure alarm

One (1) DAYTIME RUNNING LAMPS - MULTIPLEX ELECTRICAL SYSTEM

Headlights shall be activated at 30% intensity, for day time operation, when transmission is placed in drive, as a feature of the multiplex system. (if not standard on the chassis)

One (1) MASTER CONTROL CONSOLE (MCC) - MULTIPLEX ELECTRICAL SYSTEM

A floor mounted Master Control Console (MCC) shall be located in the cab. The console shall house the siren and the color microprocessor display screen, which will control all the Emergency Warning functions as well as also being able to control the Patient Compartment lighting and module heat/ac functions.

One (1) ATTENDANT CONTROL PANEL (ACP) - MULTIPLEX ELECTRICAL SYSTEM

The Attendant Control Panel (ACP) shall contain a color microprocessor screen, which will control all equipment installed in the patient compartment.

One (1) ELECTRICAL COMPARTMENT (PDQ) - MULTIPLEX ELECTRICAL SYSTEM

The Power Distribution Quarters (PDQ) shall hold electrical components, (i.e. power distribution nodes, circuit breakers, etc). The electrical compartment shall have a hinged door with (2) two chrome locking lever latches and be shall located on the partition wall behind the attendant seat.

One (1) SPARE CIRCUIT - MULTIPLEX ELECTRICAL SYSTEM

One (1) spare 15 amp circuit shall be provided.

One (1) WIRING HARNESS CONNECTORS - MULTIPLEX ELECTRICAL SYSTEM

All wiring harnesses shall be connected via quick connect circular plug connectors.

One (1) RADIO TIE-IN POINT - (1) 12V/40 AMP - CAB CONSOLE AREA

One (1) set of 12 volt/40 amp radio tie-in points shall be installed in the cab console area of the unit. The set shall include one (1) "Battery Hot", one (1) "Ignition Hot", and one (1) "Grounded" 250 amp junction stud.

One (1) RADIO TIE-IN POINT - (1) 12V/40 AMP - PATIENT COMPARTMENT

One (1) set of 12 volt/40 amp radio tie-in points shall be installed in the patient compartment attendant control panel area of the unit. The set shall include one (1) "Battery Hot", one (1) "Ignition Hot", and one (1) "Grounded" 250 amp junction stud.

One (1) RADIO TIE-IN POINT - (1) 12V/40 AMP - PDQ

One (1) set of 12 volt/40 amp radio tie-in points shall be installed and mounted in the PDQ of the unit. The set shall include one (1) "Battery Hot", one (1) "Ignition Hot", and one (1) "Grounded" 250 amp junction stud.

One (1) EMERGENCY MASTER SWITCH - MULTIPLEX ELECTRICAL SYSTEM

A single emergency master switch shall be supplied for activating all the emergency warning lights and shall be provided on the master control console screen. The emergency master switch will activate the module power automatically. There shall also be an Emergency Master Menu button which shall allow access to individual warning light functions.

One (1) CONTROL PANEL SWITCHES - MULTIPLEX ELECTRICAL SYSTEM

The switches on the master control console and attendant control panel screens shall have dimmable perimeter backlighting for easy identification.

One (1) MODULE POWER SWITCH - MULTIPLEX ELECTRICAL SYSTEM

A module power switch for the electrical system shall be provided on both the master control console and the Attendant Control Panel screens.

One (1) MODULE DISCONNECT - MULTIPLEX ELECTRICAL SYSTEM

An In-Power 15 minute, nonadjustable disconnect shall be installed to keep the module power switch engaged, after the ignition is switched to the "off" position. This disconnect can also be activated from the side and rear doorways to turn on the check-out lights.

One (1) VOLTMETER - MULTIPLEX ELECTRICAL SYSTEM

One (1) digital voltmeter shall be provided on the master control console screen.

One (1) FLASHER - MULTIPLEX ELECTRICAL SYSTEM

The flasher shall be provided within and programmed by the multiplex electrical system.

One (1) FLASHING HEADLIGHTS - MULTIPLEX ELECTRICAL SYSTEM

The headlights (high beams) shall be programmed through the multiplex system to alternate flash (wigwag), activated by a switch on the master control console screen labeled "Flashing Headlights", with the ignition on and module power and emergency master switches enabled. The flashing headlights are to be disabled when the low or high beams are activated. They are also disabled when the transmission is placed in the neutral/park position. The flashing headlights shall have the capability to be reactivated with the "park override" switch in the "on" position if the low and high beams are off.

One (1) PARK OVERRIDE - MULTIPLEX ELECTRICAL SYSTEM

A park override switch, located on the master control console screen, shall reactivate all lights disabled when the transmission is placed in the neutral/park position.

One (1) LOAD MANAGER-SEQUENTIAL SWITCHING SYSTEM - MULTIPLEX ELECTRIC SYSTEM

The load manager-sequential switching system shall be controlled by the microprocessor based electrical system. The emergency master button shall control the sequential switching of the emergency lights and/or other warning devices. The load manager shall automatically shed not-critical electrical loads during low voltage conditions to help prevent electrical system overload when the vehicle is stationary and the transmission is in the park position.

One (1) WARNING LIGHTS FLASH PATTERN SIGNAL ALERT 75 - MULTIPLEX ELECTRICAL SYSTEM

The default flash pattern for the warning lights shall be Signal Alert 75. These warning lights will be operated from a single button labeled "flashers" via the Multiplex System on the master control console.

One (1) FRONT CLEAR DISABLE SWITCH - MULTIPLEX ELECTRICAL SYSTEM

Activation of the switch on the master control console screen shall disable all forward facing clear warning lights.

One (1) CURBSIDE SCENE LIGHTS "ON" WITH CURBSIDE DOOR - MULTIPLEX ELECTRICAL SYSTEM

The curbside scene lights shall be programmed to activate when the curbside door is in the open position.

One (1) REAR SCENE LIGHTS "ON" WITH REAR DOORS OPEN - MULTIPLEX ELECTRICAL SYSTEM

The rear scene lights shall be programmed to activate when the rear doors are in the open position.

One (1) DISABLE SWITCH FOR REAR SCENE LIGHTS - MULTIPLEX ELECTRICAL SYSTEM

A disable switch shall be installed at the rear door area to disable the rear scene lights.

One (1) DISABLE SWITCH FOR SIDE SCENE LIGHTS - MULTIPLEX ELECTRICAL SYSTEM

A disable switch shall be installed at the curbside door area to disable the curbside scene lights.

One (1) REVERSE (TRANSMISSION) FUNCTIONS - MULTIPLEX ELECTRICAL SYSTEM

The system shall be programmed to provide activation for the rear outboard warning lights, the rear side warning lights, the rear scene lights, and the rear side scene lights, when the transmission selector lever is placed into "reverse" position.

One (1) AIR HORNS - BUELL DUAL TRUMPETS 10" & 12", UNDR BMPR W/SW

A Buell air horn system with dual trumpets, one (1) 10" and one (1) 12", shall be mounted under the front bumper, one (1) each side. The compressor shall be installed in OSS #6. The air horns shall be activated by a push button located on the MCC (master control console).

One (1) BACKUP ALARM

An (OSHA approved) back up alarm shall be installed with a disable control for silent backing. The disable control shall be located on the MCC (master control console). The backup alarm system shall automatically reset to the "on" mode when the transmission is taken out of reverse.

One (1) CAMERA REAR VIEW - SINGLE SYSTEM - VISTA SCREEN

A color camera system connected to the cab Vista display screen shall be installed, providing rear view monitoring to the rear exterior of the module. The camera shall be connected to the video input provided in the cab's Vista screen. This camera image shall automatically be displayed on the MCC Vista when the vehicle is placed in reverse. The Vista shall resume normal operation when the vehicle is taken out of reverse.

One (1) CAMERA PATIENT AREA SINGLE SYSTEM - VISTA SCREEN

A color camera system connected to the cab Vista display screen shall be installed, providing rear view monitoring to the patient area of the module. The camera shall be connected to the video input provided in the cab's Vista screen. The patient area camera is activated as needed by a switch on the master control console screen, labeled "Module Camera".

One (1) 360 degree Camera

Allows for birds eye view to eliminate blindspots and can be selected through the Vista display.

One (1) ELECTRICAL CIRCUITS

All electrical circuits shall have wiring and circuit protection suitable to the demand and must meet the national electric code (NEC) wiring requirements. All added on wiring (18 GA through 10 GA) shall be color coded and stamped with code numbers and functions every 4" for easy identification (all other wiring shall be color coded). High temperature thermoplastic cross link wire shall be used. Insulated cable shall be used for all under hood / underbody battery and charging system cable. High temperature thermoplastic loom shall be used on all harnesses.

One (1) CONDUIT, PVC FLEXIBLE w/ FISH/PULL WIRE & WALL COVER - PDQ TO CAB

A minimum 1-1/2" diameter flexible PVC electrical conduit with fish/pull wire shall be installed from the Power Distribution Quarters (PDQ) to the Master Control Console (MCC).

One (1) GROUND FAULT CIRCUIT INTERRUPTER (GFCI)

A 125 VAC, 20 AMP circuit breaker with ground fault circuit interrupter (GFCI) electronic ground leakage detection shall be installed in the load center for the shoreline circuit.

One (1) INVERTER, VANNER - 1050 WATT, #20-1050CUL-DC CHARGER

A Vanner 20-1050CUL-DC, 1050 watt inverter with battery conditioner/charger, with remote switch, shall be provided and installed. Located in OSS #2 Top Shelf.

One (1) LIGHT, ATTENDANT CONTROL PANEL AREA - LED - WARM WHITE

A 2.75" round warm white LED light with SS trim ring, shall be mounted above the left wall forward action area counter. The light shall be operated through the a button on the ACP Vista screen labeled "Attendant Light"

One (1) LIGHT, LED ELECTRICAL COMPARTMENT (PDQ)

A 12 VDC light shall be located in the electrical compartment. The light shall be wired "battery-hot" to activate when the power distribution quarter's door is in the open position. The light shall be off when the door is in the closed position.

One (1) LIGHTS, OSS COMPARTMENTS - LED STRIP LIGHTING

Each outside storage compartment shall be equipped with 12V LED strip lighting which shall be located one strip each side of the door opening for a total of two (2) strips in each compartment and shall be activated by a magnetic switch

One (1) LIGHT INTERIOR OF REAR FACING OSS & PASSAGE DOORS, TWO (2) RED MINI LED PER DOOR

Two (2) red Mini LED lights shall be installed on the interior of all rear facing exterior compartment and patient entry doors. The lights shall be located as follows: one (1) on each upper and lower outer corner. The light(s) shall random flash on the specific door(s) that are opened.

One (1) LIGHT, STEPWELL - CURBSIDE DOORWAY - MINI LED SURFACE MOUNT

A Mini-LED light shall be installed to illuminate the step well at the curbside doorway.

One (1) LIGHTS, INTERIOR CEILING, 12V LED STRIP LIGHT, WHITE/BLUE

All polycarbonate door(s), interior cabinets shall have 12V blue LED strip lights for interior compartment lighting. One (1) strip light will be located down each side of the cabinet, for a total of two (2) strips in each interior cabinet(s). Lights to be controlled by button on Vista Screen. NOTE: This excludes any interior I/O access openings.

One (1) LIGHTS, INTERIOR -LITE LED BRAKE/TURN REAR HEADPAD

A LED Light, Brake and Turn signal indicator light shall be installed on the interior rear ceiling area above the patient/rear and wired to the applicable flasher on the vehicle.

One (1) OUTLETS, 125VAC - FOUR (4) INTERIOR DUPLEX

Four (4) 2-wire +plus ground 125 VAC hospital-grade duplex outlets shall be installed in the patient compartment with wiring connected to the shoreline. Two (2) outlets shall be installed in the street side cabinet action area, one (1) forward and one (1) rearward, to supply 125 VAC to the monitoring equipment.

Two (2) outlet shall be installed in the front wall cabinet #6 UPPER. An indicator lamp shall be located within each 125 VAC outlet as a line monitor to indicate a live circuit. The outlets shall be labeled, "125 VAC".

One (1) OUTLETS, 12VDC - THREE (3) INTERIOR POWERPOINT

Three (3) 12 VDC power point outlets shall be installed in the patient compartment, one (1) in the front wall equipment area, and one (1) in the attendant control panel area in the street side cabinet and one (1) in the front wall cabinet #2. The outlets shall be labeled, "12 VDC". A Schottky diode medical isolator shall be provided to protect the 12 VDC outlets.

One (1) USB - DUAL PORT OUTLETS, TWO (2)

Two (2) dual USB port outlets, 5 volt / 2.1 amp, shall be installed in the vehicle. One (1) outlet shall be located on the streetside main action area in the patient compartment. One (1) shall be located on the Master Control Console in the cab. The outlets shall have power and ground for charging equipment, such as cell phones, iPad, etc...

TWO (2) RADIO ANTENNA BASES -

Two (2) antenna bases with attached coax cables shall be installed on the module roof. The coax cables shall terminate in the PDQ. Access to the antenna bases shall be through adjacent module interior dome lights.

One (1) RECEPTACLE SHORELINE INLET-SUPER 20 AMP, AUTO EJECT - RED COVER

A Kussmaul super auto eject shoreline inlet receptacle with a white cover shall be installed on the module exterior (forward street side) near the driver's door. The receptacle shall be equipped with an integral dynamic disconnect.

The 125 VAC, heavy duty 20-amp circuit breaker shall have GFCI protection and shall be connected to the lighted 125 VAC patient compartment outlet(s). A mating connector shall be shipped loose with the completed ambulance.

One (1) OTE Flanged Mobile Cabinet

A 12-volt "19505C" temperature controlled drug storage unit shall be installed within the module. Unit shall be computer controlled climate device which regulates the inside temperature and stores/records pertinent data. Shall have capability to cool and heat cabinet to set temperature. Shall be constructed of polished stainless steel and aluminum with a stainless steel lock.

Location to be determined in pre build

One (1) RUMBLER - FEDERAL SIGNAL SYSTEM / OPERATED VIA VISTA SCREEN

The Federal Signal Rumbler System shall be provided and installed. This system will interact with the existing siren amplifier and provide secondary, low frequency duplicate tones. Siren shall be activated by the Vista screen.

One (1) SIREN, WHELEN 295-HFSA7-REMOTE WITH MICROPHONE

A Whelen 295-HFSA7 remote dual siren amplifier shall be flush-mounted in the master control console located in the cab. The siren shall be capable of hands-free operation and shall be equipped with a noise canceling microphone. Some features of this siren include:

DUAL 200 WATT, FLUSH MOUNT SIREN with REMOTE SIREN AMPLIFIER

- Six function siren plus radio repeat and public address.
- Operates two 100-watt speakers.
- Operates in dual (outputs 2 independent siren tones creating rich harmonic dual tone sound) or monosound modes.
- External dip switch programmable siren tones.
- PTT (push to talk) switch on microphone overrides all siren functions.
- Removable unidirectional microphone with adjustable microphone volume & adjustable preset radio repeat volume.
- SI TEST[®], silent diagnostic test.
- Quick disconnect plug for ease of service or replacement.

12 Siren Tones

- Air horn • Wail • Yelp • Piercer • Manual Coast to Stop
- Manual • Mechanical Coast to Stop • Hi/Low • Yelp 249
- Warble • Whoop • Mechanical Tone

Two (2) SIREN SPEAKERS, CAST PRODUCTS - IN FRONT BUMPER

Two (2) Cast Products - 100-watt siren speakers, shall be installed in outer ends of the front bumper.

One (1) SYSTEM ACTIVE AND CHECK OUT LIGHTS - 15 MINUTES

A switch shall be located at the curb and rear entry doors that will allow activation of the V-MUX electrical system. There shall also be a check out light switch located at the curb and rear doors that will allow activation of the left LED angled lights prior to entering the module. The system shall be programmed to shut down automatically after 15 minutes unless the ignition is on. This shutdown delay shall be user adjustable.

Eight (8) LIGHTS, DOME LED

Eight (8) LED dome lights 10", shall be provided in the patient compartment. The dome lights shall be controlled by separate switches for the left bank and right bank of lights. The dome lights shall be activated by switches on both the attendant control panel and the master control console. The dome lights shall be illuminated at 50% power whenever the patient compartment side or rear doors are opened.

One (1) LIGHTS, ICC / LED CLEARANCE - ON MODULE FRONT

The vehicle shall have five (5) amber LED clearance / ICC lights on the front of the module near the roof line.

One (1) LIGHTS, ICC / LED CLEARANCE - ON MODULE REAR

The vehicle shall have five (5) red LED clearance / ICC lights on the rear of the module near the roof line.

One (1) LIGHTS, RUNNING BOARD - MINI - LED (1) EACH SIDE

One (1) pair of white Mini-LED's shall be installed one (1) each side, low on the module front, as running board lights. The lights shall activate with the cab door switches.

One (1) LIGHTS, UNDERBODY SIX (6) LED - LOCATED UNDER MODULE

There shall be six (6) white LED lights mounted on brackets underneath the module. The lights shall turn on automatically when the vehicle is shifted into park. The lights may also be activated or disabled by a switch on the MCC Vista display screen labeled "Underbody Lights".

One (1) LIGHTS, FRONT GRILLE - (4) LED -SPLIT RED/CLEAR

Four (4) LED split red / clear warning lights, with clear lenses and waterproof connectors shall be installed in the grille area of the chassis. The lights shall operate from a switch on the master control console labeled "Flashers". These light will flash in an "X" pattern.

One (1) LIGHTS, FRONT MODULE - (7) SPLIT RED /CLEAR

Seven (7) LED warning lights with chrome flanges shall be installed on the module front. All lights shall be split red/clear. All lights shall have clear lens. The lights shall operate from a switch on the master control console, labeled "Flashers".

One (1) LIGHTS, REAR TAIL - LED STOP, TURN, & MINIMUM INTENSITY BACK-UP

One (1) pair each of LED stop/tail lights, turn lights, and minimum intensity back-up lights with chrome bezels shall be installed on the rear bumper.

One (1) Chevron Lighting Rear

Increase visibility through angled flashing LEDs that will double as brake lights when the pedal is depressed.

One (1) LIGHTS, REAR WINDOW-LEVEL - LED - SPLIT AMBER/RED

Two (2) LED split amber / red warning lights with clear lenses and chrome flanges shall be installed on the rear of the module, one (1) on each side. These lights shall operate from a switch on the master control console, labeled "Flashers".

One (1) LIGHTS LED, REAR MODULE

Two (2) LED warning lights with clear lens, two (2) LED scene/load lights, and one (1) amber LED warning light with clear lens shall be installed on the rear of the module. The lights shall be installed with chrome flanges and shall be operated from switches on the master control console labeled "Flashers" and "Rear Scene Lights".

One (1) LIGHT, LICENSE PLATE LED

One (1) LED license plate light with 45 deg angled chrome-plated bezel shall be installed on the rear of the module, lower left side.

One (1) LIGHTS, ICC / LED CLEARANCE - ON MODULE SIDE

The vehicle shall have two (2) red mini LED marker lights: one (1) red on each side at the rear of the vehicle which will also flash with turn signal.

One (1) LIGHTS, INTERSECTION FRONT - RED/CLEAR

Two (2) red / clear warning lights, with clear lens and water-proof connectors, shall be mounted, on the front chassis fenders, one (1) on each side. The lights shall operate from a switch on the master control console labeled "Flashers".

NOTE: When vehicle is placed in park, the override switch must be on for intersection light(s) to remain on.

One (1) LIGHTS, SIDE MODULE SCENE - CLEAR

Four (4) HiViz LED scene lights with chrome flanges shall be installed, two (2) each module side, inboard of the warning lights. These lights shall operate from switches on the master control console labeled "Left Scene Light" and "Right Scene Light".

One (1) LIGHTS, SIDE MODULE WARNING - LED - RED W/CLR LENS

Four (4) LED warning lights with clear lenses and chrome flanges shall be installed, two (2) each module side. Streetside shall have one (1) warning light outboard of the side module rear scene light, and one (1) warning light outboard of the module front scene light. Curbside shall have one (1) warning light outboard of the side module rear scene light, and one (1) warning light outboard of the module front scene light. These lights shall operate from a switch on the master control console labeled "Flashers".

One (1) Lights, Drip Rail Warning- Red/Clear

Installed on each side under drip rail to increase safety while responding.

One (1) LIGHTS, INTERSECTION REAR -LED -SPLIT RED/CLEAR

Two (2) LED split red / clear warning lights with clear lenses, chrome bezels and water-proof connectors, shall be installed above the rear wheel wells, one (1) on each side. These lights shall operate from the master control console, labeled "Flashers", via the MasterTech Electrical System.

NOTE: When vehicle is placed in park, the override control must be on for intersection light(s) to remain on.

One (1) LIGHTS RED & WHITE ALTERNATING FLASH

LED Red/White light array shall be installed on streetside and curbside of module below rub rail. Three (3) shall be forward of the rear wheel; three (3) shall be rearward of the rear wheel.

One (1) MediVault KNOX BOX

One (1) Knox Box to be installed in the curbside rearward of the bench. The box shall be placed to the inside left of the curbside door along with OTE Module.

One (1) MODULE BODY CONSTRUCTION

The module shall be fabricated entirely of parts cut and formed from .125" (minimum) thickness 5052-H32 flat aluminum sheet stock. This is the only alloy that may be used for body parts that are bonded together.

The roll-cage type interior super-structure, aluminum partition and module shall all be constructed together into a single unit to give optimum strength for patient and attendant protection.

The floor, roof, sides, and all exterior doors shall be fabricated from .125" (minimum) thick flat aluminum sheet stock. The exterior joints between the roof and side components shall be continuous the entire length of the module. All exterior body panel joints shall be continuous full seam bonded.

A drip rail at the top of the module shall be placed on the left and right side of aluminum

One (1) SOLE SOURCE MODULE BODY CONSTRUCTION

It is required that the manufacturer of this vehicle have the ability to manufacture a completed ambulance, with the exception of the chassis, within their own manufacturing facility. The modular body must be built in the manufacturer's facility and shall not be the product of a subcontractor or any company other than the manufacturer.

One (1) AWS ALUMINUM CERTIFIED WELDERS OR EQUIVALENT

AWS Aluminum Certified Welders shall construct the module. AWS certificates shall be required to be part of the completed bid packet.

One (1) CONNECTIONS, MODULE

The module shall be bolted to the chassis frame rail with bolts through OEM rubber insulating spacers installed on outriggers at twelve (12) separate locations (six each frame rail), providing noise insulation and easy removal for chassis replacement. The frame mounting bolts shall be properly torqued and secured with locktite. The system used for fastening the module to the frame shall be that approved by the chassis manufacturer.

One (1) ALUMINUM PARTS - MODULE EXTERIOR

All unpainted exterior aluminum parts shall be bright dip anodized after fabrication to retain the finish and increase corrosion resistance.

One (1) CORROSION MINIMIZATION - MODULE

All module contact with dissimilar metals shall be minimized with the use of nylon screw-hole inserts to prevent fastener contact with the module body, nylon hinge strips, ceramic coated stainless steel hinge bolts, and ECK brand corrosion inhibitor spray.

One (1) DOOR SKINS, OUTSIDE STORAGE COMPARTMENTS - INTERIOR SKINS

The interior door skins for all outside storage compartments shall be constructed of heavy duty coated aluminum panels.

One (1) DOOR CONSTRUCTION - GASKET PLACEMENT

All exterior hinged module doors shall be constructed in an inverted pan-formed design. The pan shall be constructed from 5052-H32 flat sheet aluminum. The exterior door skin shall be constructed of aluminum and welded to the pan.

Door gaskets shall be attached to the interior side of the door skin. Gaskets attached to interior door frames are not satisfactory and shall not be accepted.

One (1) EXTERIOR COMPARTMENTS DESIGN

All exterior compartments shall include these features:

- Hidden hinges to limit debris, sand, and dirt from entering hinges
- Sound absorbing slip resistant polyurethane material shall be sprayed on the inside of all compartments and compartment shelving, slide out trays and closeouts.

- Baffled seep holes shall be provided to prevent water from splashing or seeping into the exterior compartments.
- Full-length, two-way adjustable, stainless steel hinges on all exterior compartment doors with stainless steel hinge pins hidden.
- Compartment doors shall be installed, flush with the module body.
- When double doors are provided, each door shall have an exterior handle, but only the forward door shall be lockable. (rearward door is secured when forward door is locked). All exterior compartments and passage doors shall be keyed alike.
- Lockable, "free-floating" type chrome plated handles with rotary locks and LED backlit. A gasket shall be installed under each handle to protect the paint.
- Drip rails shall be installed above all exterior compartment doors.

One (1) EXTERIOR COMPARTMENTS, VENTING

A minimum of nine (9) square inches of venting shall be provided inside all exterior storage compartments to provide for easier closure of the compartment doors.

One (1) EXTERIOR COMPARTMENTS, VENTING - OXYGEN STORAGE

A minimum of nine (9) square inches of venting shall be provided in the exterior oxygen storage compartment, to dissipate any leaking oxygen gas.

One (1) EXTERIOR COMPARTMENTS - SWEEP-OUT

Exterior module compartments shall be of a sweep-out design to aid in facilitation of the purchaser's routine care and cleaning of the vehicle. All exterior compartment floors, with the exception of the front ALS compartment shall be constructed to be flush with the bottom door frame.

One (1) Rubberized Coating

All exterior module compartments shall be coated on the interior with a rubberized coating to add strength and sound deadening to the module.

One (1) HANDLES, - CHROME FREE FLOATING TYPE/ LED Backlit

Chrome "free-floating" handles shall be installed on each exterior module door. The handles shall be large enough to accommodate a gloved hand.

One (1) INSULATION OR EQUIVALENT

The walls, ceiling, passage doors, outside storage doors, the entire underside of the module floor (except for mounting pads), the underside of the outside storage compartments, the wheel wells, and the underside of the curbside step area shall be completely foam - in - place insulated with nominal 3/4" thick sprayed on Class I, urethane foam for thermal and acoustical insulation. The insulation shall comply

with FMVSS #302 flame spread requirements. The underside of the body shall be properly prepared to ensure adhesion before the spray insulation is applied or equivalent.

One (1) COATING, THERMAL COATING OR EQUIVALENT

Thermal barrier coating shall be applied to the interior of the module roof after the spray foam application. Material shall be applied to meet or exceed the manufacturers recommended thickness.

One (1) THRESHOLD, STAINLESS STEEL - ALL OSS STORAGE COMPARTMENTS

Each exterior storage compartment with a hinged door shall have a stainless steel lower threshold at the door opening to protect the paint as equipment is installed and removed from the compartment.

One (1) DOCK BUMPERS, REAR

Formed hard rubber dock bumpers shall be attached to the rear bumper.

One (1) DOOR SWING - MODULE CURBSIDE PASSAGE- DOOR FORWARD

The module body shall include a swing-out side entry door to access the curbside of the patient compartment. The door shall swing out and towards the front of the module body. The door must have a system to prevent the door from self closing, when unit is parked on an incline. A chrome locking handle shall be installed on the exterior of the door. The door shall be lockable from the inside and outside and shall shut on molded air-core, automotive type door seals to prevent any water from leaking into the vehicle interior. A drip rail shall be installed above the door.

One (1) LOWERED MODULE SIDES

Module sides to be as low as possible and still comply with KKK-1822-F ramp break over angle. Lowered sides will allow easier entry into the module as well as increased compartment storage.

One (1) DOORS - REAR PASSAGE

There shall be a high rear door opening in the patient compartment. The doors shall be flush without a protruding flange or lip. The right rear passage door shall have a lockable, chrome exterior handle/ LED Backlit. The left rear door shall have a non-locking, chrome exterior handle/ LED Backlit. All handles shall be installed with a gasket to protect the paint. The hinge shall be full length stainless steel with stainless steel hinge pin and shall be two-way adjustable. Each rear door shall have a two point slam action automotive type rotary latching system to the body. The right rear door shall lock to the body at the top and bottom, not to the left rear door. The doors shall have steel door latch activator rods with clevis adjusters. The doors shall be lockable from the inside and outside. All doors shall shut on molded, air-core, automotive type door seals to prevent any water from leaking into the vehicle interior.

One (1) Doors- REAR PASSAGE INTERIOR DOOR HANDLES

Handles to be moved to the interior top portion of the door above the rear windows. Safety concern with patients on the cot and keeps employees from bending down to open the door.

One (1) FENDERETTES - POLISHED ALUMINUM

Polished aluminum fenderettes shall be installed around the rear wheel well openings.

One (1) FUEL FILL PROTECTOR - STAINLESS STEEL

A stainless steel fuel fill protector shall be provided and installed.

One (1) DEF TANK FILL PROTECTOR - STAINLESS STEEL

A stainless steel DEF tank fill protector shall be provided and installed.

Two (2) HOLD-OPEN - REAR DOORS - GRABBERS

Door grabbers (2 pair) with hard rubber inserts shall be installed on the rear doors, permitting a door hold open position of 180 degrees.

One (1) EMERGENCY RELEASE LEVER, EXPOSED, REAR PATIENT PASSAGE DOORS

An emergency release lever shall be attached to each rear passage door latch and shall be operated with a motion within a slotted track located towards the edge of the door frame. These levers shall provide an externally mounted means of actuating the latches from the patient compartment without the use of the interior door handles.

One (1) SWITCH UNLOCK, WATERPROOF - HIDDEN IN FRONT GRILLE AREA

An exterior waterproof hidden door unlock switch shall also be included.

Three (3) KEYLESS ENTRY - TOUCH PAD FOR POWER DOOR LOCKS

A keyless remote touch pad shall be installed near the side entry door, under the shoreline outlets and the OSS #3 compartment. The key pad shall have a programmable code, which will provide access to the vehicle, via the power lock system and the correct code being entered on the touch pad. The remote will operate the power door locks on all module and cab doors.

One (1) LOCKS POWER - PASSAGE, COMPARTMENTS, KEY FOBS

Power door locks shall be included on module passage doors and all outside storage compartments. The locks shall be activated from the interior of the rear and the curbside doorway, as well as the OEM chassis cab door switches. A keyless entry system shall be installed. The system shall operate with the OEM key fobs to lock/unlock all chassis and module doors.

One (1) MUD FLAPS, REAR - BLACK RUBBER FIBERGLASS REINFORCED - THREE COLOR

Black rubber, fiberglass reinforced mud flaps shall be bolted to the underside of the module behind the rear wheels. The width and length of the flaps shall provide adequate coverage of the rear dual wheels of the chassis.

One (1) REAR STEP/BUMPER -FLIP-UP CENTER SECTION – Star Punch

The rear bumper shall be affixed to the chassis frame. The bumper shall be constructed with a hinged center section. Two (2) steel braces shall secure the step to the chassis frame. The outer 17" on each end of the bumper shall be constructed from heavy gauge stamped polished stainless steel bumper parts and shall provide smooth rounded corners. The step shall be constructed of aluminum Star

Punched plate. Two (2) rear LED step illumination lights shall be provided. All diamond plate surfaces shall be bright dip anodized. Rear step installation shall comply with AMD standard 018. A strip of black PVC shall be installed on the face of the step to protect the patient cots during loading.

One (1) RUB RAILS, ANODIZED ALUMINUM

Bright dip anodized polished aluminum rub rails shall be installed on the lower sides of the body below the outside compartment sill areas. The rub rails shall be offset 3/16" from the body to facilitate wash down of road debris.

One (1) STEPWELL, CURBSIDE DOORWAY - MID STEP AREA

An aluminum diamond plate step well and mid-level step shall be installed in the curbside doorway threshold area.

One (1) STONE GUARDS, MODULE FRONT - ANODIZED DIAMOND PLATE

Bright dip anodized aluminum diamond plate stone guards shall be installed on the module front, one (1) each side.

One (1) KICKPLATE/THRESHOLD, REAR DOORWAY - ANODIZED DIAMOND PLATE

A bright dip anodized aluminum diamond plate kick plate shall be installed at the rear exterior doorway, providing a kick / scuff plate at the rear of the vehicle above the rear step.

One (1) TOW HOOKS, MODULE REAR

Two (2) tow hooks shall be provided in the rear step area and shall be securely fastened to the vehicle frame.

One (1) WINDOWS, PASSAGE DOOR - (CURB SLIDING, REAR FIXED)

The curbside passage door shall have an openable (sliding) window with removable screen. Each rear passage door shall have a non-openable window. The distance between the rear window glass shall not exceed 6" to assure maximum vision to the rear. The windows shall have a 69% dark tint and shall be secured with black oxide coated fasteners. No warning lights shall be blocked from view when the curbside or rear doors are open.

One (1) OUTSIDE STORAGE #1 - DRIVER FORWARD

The compartment door shall be held open with a spring loaded gas cylinder. A locking handle shall be installed on the exterior of the door.

One (1) VERTICAL BACKBOARD STORAGE (2 Boards) DOOR HUNG OSS#1

Door hung backboards, with curved posts at top and 2 straps and buckles for security

One (1) VERTICAL DIVIDER w/ 3 ADJUSTABLE SHELVES

Forward of OSS #1, 3 Adjustable shelves then a vertical divider before the Pull out Toolboard. To hold collars, head blocks, spider straps, etc..

One (1) PULL OUT TOOLBOARD OUTSIDE STORAGE #1

Aluminum Toolboard that is adjustable to the rear of the module, fullsize of interior dimensions, coated with rubberized coating. Dual latches to secure for security, heavy duty.

One (1) 110V SURGE PROTECTOR OUTSIDE STORAGE #1

110v multiple plug surge protector mounted on Toolboard ,accessway to be cut in toolboard for wires to be plugged into 110V. Surge shall be run off shoreline power when plugged in.

One (1) SHELF TRACK - EXPOSED - OSS #2

Unistrut 1-1/4" x 3/4", 19 gauge "T" grooved track channel shall be installed in outside storage compartment #2, vertical center of compartment

One (1) DIVIDER VERTICAL ONE (1) IN OSS #2

One (1) Divider Vertical with sprayed on rubberized coating material shall be provided and installed in outside storage compartment #2.

One (1) SCBA BRACKET FORWARD OSS #2

SCBA bracket forward side of module

One (1) ADJUSTABLE SHELF REAR OSS #2

Aluminum shelf that can be adjusted, mounted to the right side of vertical center divider.

One (1) OUTSIDE STORAGE #3 - STREETSIDE REAR – Inside/ Outside Access

The compartment door shall be held open with a spring loaded gas cylinder. A locking handle/ backlit shall be installed on the exterior of the door. Emergency lights and scene lights to be mounted on the door. Polycarbonate doors on interior for access to OSS #3.

One (1) SHELF TRACK - EXPOSED - OSS #3

Unistrut 1-1/4" x 3/4", 19 gauge "T" grooved track channel shall be installed in outside storage compartment #3. Exposed tracks shall be welded in place and coated with for a cleaner look and no exposed fasteners.

Two (2) SHELF FULL DEPTH STORAGE OSS #3

2 Full Depth shelves in OSS#3, One shelf for Interior access and one shelf for exterior access.

One (1) STAIR CHAIR POCKET ON DOOR OSS #3

Compartment door shall have a 9" deep diamond plate pocket and strap installed on the interior side to accommodate a stair chair.

One (1) OUTSIDE STORAGE RT. REAR OSS #4A/B

#4A (rear curbside compartment) This compartment shall provide storage for rehabilitation. The compartment door shall be held open with a spring-loaded gas cylinder. A locking handle also backlit shall be installed on the exterior of the door.

One (1) SHELF TRACK - EXPOSED - OSS #4

Unistrut 1-1/4" x 3/4", 19 gauge "T" grooved track channel shall be installed in outside storage compartment #3. Exposed tracks shall be welded in place and coated with for a cleaner look and no exposed fasteners. A vertical divider will be installed to separate the O2 cylinders, divider shall allow for room to load oxygen cylinders with the below Zico Oxygen Cylinder.

Two (2) ADJUSTABLE SHELVES OSS#4A

Aluminum shelves in OSS #4A to assist with organizing rehab equipment and other priority systems, mount for mister cooling fan and cooler in OSS #4A

One (1) O2 COMPATIBLE COMPARTMENT AND DOOR (2) (M – Cylinders) OSS #4B

Mounted against interior stacked, forward of OSS #4 with polycarbonate access into interior bench seat.

One (1) Zico Oxygen Cylinder Lift

Portable cylinder lift for station use when loading "M" Cylinders

One (1) OUTSIDE STORAGE #5 - CURBSIDE REAR

#5 (Rear curbside compartment, front of rear wheel), The compartment shall have a SCBA bracket, hook for turnout coat and helmet. The compartment door shall be held open with a spring loaded gas cylinder. A locking and backlit handle shall be installed on the exterior of the door.

One (1) ROUNDED INTERIOR CORNERS

Interior vertical edges shall have rounded corners in the following locations: forward and aft edges of the CPR seat, the wall at the aft end of the squad bench, the partition opening cabinet edges and the upper front wall cabinet.

One (1) INVENTORY CONTROL SYSTEM

An inventory control system shall consist of metal loops attached to the sliding door cabinet frames. The inventory loops, along with corresponding holes drilled in the cabinet door handles shall accommodate the use of breakable plastic ties, to secure the cabinet doors and assist in controlling inventory.

One (1) LATCHES, CABINET, CN10 COMPLIANT AS APPLICABLE

The ACP (attendant control panel) door, the PDQ (power distribution quarters) door, and the radio cabinet door shall be secured with chrome locking lever latches; all remaining interior hinged cabinet doors shall be secured with singular movement latches. All interior drawers shall be secured with locking flush pull latches. Cabinet(s) shall be KKK-A-1822F Change Notice 10 compliant and conform to all applicable SAE J3058 requirements.

One (1) CABINET - LEFT WALL, UPPER REAR #1 - RESTOCKING HINGE (UP)

The left wall, upper rear interior cabinet (#1) shall be enclosed by one (1) set of sliding polycarbonate doors attached to a flip-up restocking frame with gas filled hold-open shocks. The doors shall have full length handles with the outer most sliding door to have handles on both ends. The cabinet shall contain a center divider with one (1) adjustable shelf, each side. 16" in depth for this compartment.

One (1) LEFT WALL - ATTENDANT CONTROL PANEL - HINGED PANEL

A WELDON Vista Control Screen mounted on an angled flip – down panel secured with locking chrome lever latches. The panel will be located to the immediate right of the attendant's seat. The forward portion of the panel will contain a flat area that may be used for future radio mounting, etc.

One (1) CABINET - LEFT WALL, UPPER OVER PANEL #2 - RESTOCKING HINGE

The left wall, upper interior cabinet (#2) above the attendant control panel shall be enclosed by one (1) set of sliding polycarbonate doors attached to a flip-up restocking frame with gas filled hold-open shocks. The doors shall have full length handles with the outer most sliding door to have handles on both ends. The cabinet shall contain a center divider with one (1) adjustable shelf, each side. 16" in depth for this compartment.

One (1) CABINET - LEFT WALL, LOWER REAR #3 -

The left wall, lower rear interior cabinet (#3) shall provide inside access and be enclosed with hinged polycarbonate doors. Each door shall have a full length hinge, a full length handle, and a singular movement latch. Shallow to allow for backboard storage in OSS #3.

One (1) ADJUSTABLE SHELF IN INTERIOR #3, LOWER REAR-

Adjustable shelf in compartment for stocking of supplies

One (1) DRAWERS - LEFT WALL, REAR ACTION AREA #4

Two (2) drawer unit (#4) shall be installed under the second action area on the interior left wall of the module. The drawer shall be constructed of thick aluminum and shall be secured with one (1) stainless steel flush pull latch. The drawer interior dimensions shall be 4.50" high x 14.50" wide x 13.25" deep.

One (1) PRIMARY ACTION AREA

The primary action area shall be located beside the attendant seat with work area dimensions of 50.50" wide x 16.00" deep.

One (1) SECONDARY ACTION AREA

The secondary action area shall be located to the rear of the CPR seat with work area dimensions of 21.25" high x 18.25" wide x 16.00" deep.

One (1) DRAWER - SLIDE-OUT / WRITING TABLE STREETSIDE INTERIOR

A slide-out drawer with a hinged acrylic writing surface shall be provided in the street side wall beside the attendant seat. The drawer shall be constructed of thick aluminum and shall be secured with one (1) stainless steel flush pull latch. The writing surface shall be installed on top of the drawer with a hinge. The drawer interior dimensions shall be 4.50" high x 14.50" wide x 13.25" deep.

One (1) CABINET – FRONT OF ACTION AREA- #6 UPPER

The #6 Upper front interior wall shall have one (1) cabinet with one (1) adjustable shelf on Unistrut adjustable track brackets. Doors shall be polycarbonate, dual with one singular movement latch.

Two (2) 110V OUTLETS - #6 UPPER

Two stainless steel outlets, duplex 110V installed inside #6 UPPER INTERIOR

One (1) CABINET – FRONT OF ACTION AREA - #6 LOWER

One adjustable shelf inside #6 Lower, dual doors made of aluminum and painted.

One (1) PASS THROUGH - CAB TO MODULE, WINDOW OPENING

A window opening shall be provided in the rear of the cab to accommodate pass-through communications to the patient compartment. A bellows shall be provided to connect the cab to the module.

One (1) CABINET - RIGHT WALL, REAR WITH (1) DOOR FACING AISLE #1

A storage compartment (#1) shall be provided to the rear of the squad bench. The compartment shall face the patient compartment aisle and contain four (4) adjustable shelves. The compartment shall be enclosed by a right hinged polycarbonate door with full length handle and secured with center squeeze latch.

One (1) CABINETS - RIGHT WALL, UPPER, NO ANGLED PANEL WITH LIGHTS

Two (2) cabinets shall be installed on the curbside above the squad bench. The cabinets shall be enclosed by one (1) set of top hinged polycarbonate doors with hold opens and singular motion latches. There shall be a minimum of 43" of headroom below the cabinet.

(Cabinet option not compatible with angled lighting above bench area. Ceiling IV Hangers will be relocated)

One (1) CONDENSER - MODULE FRONT, TOP CENTER MOUNT

A condenser shall be installed on the front of the module. The condenser shall be top center mounted with aluminum mounting brackets. Condenser and brackets are to be painted to match the module. There shall be five (5) red/white split warning lights mounted to the condenser. Three (3) on the front and One (1) each side. There shall be a large mini brow light mounted between the two warning lights on the front of the module. Condenser to be located per dwg #1.

One (1) HEAT/AC MAXIMUM CFM 4X4 HEAT/AC CORE, BRUSHLESS BLOWER MOTOR

A high volume CFM heater/air conditioner system with 50,000 BTU heating capacity and 50,000 BTU cooling or more capacity utilizing a 4x4 AC/Heat core and with a brushless blower motor controlled through, the pulse-width-modulated output of the microprocessor based electrical system, shall be provided for high volume air movement with minimal noise. The heater/air conditioner air return shall be filtered to minimize contamination of the heater/air conditioner cores. The cab and module environmental systems shall be simultaneously capable of heating in the front while cooling in the rear and vice-versa. A thermostatically controlled rear system shall be provided for heating and air conditioning the patient compartment.

The temperature, whether heating or cooling, shall be controlled by a thermostat built into the attendant control panel screen, located in the street side cabinet and from the cab master control console screen.

Heating and cooling may be selected automatically or manually. The heater/air conditioner system shall function only when the ignition system and the module power switch are on. The rear heater shall have EPDM/Nomex heater hoses. The rear air conditioner shall have barrier air conditioner hoses for R-134A refrigerant. Full module HVAC controls shall be located on both the rear ACP screen and the cab MCC screen.

The module heat and ac system shall be installed in the upper portion of the front wall. A ducted vent system shall run the length of the module.

One (1) SEATING - SQUAD BENCH BASE W/ STORAGE CN8 COMPLIANT 4PT BACK

A squad bench seat with two (2) individual seating positions and two (2) shelf mount back frames with internal bolsters will be installed on the curb side of the patient compartment. Each seat shall have a seat belt that consists of a single click, four (4) point / four (4) retractors, internal mount belt system. Retractors installed for second patient transport. The squad bench seats shall be KKK-A-1822F Change Notice 8 compliant and conform to all applicable FMVSS and SAE J3026 requirements.

Documentation from a certified independent testing facility shall be required stating the seating configuration has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment. The shelf mount back frames and the bench shall be padded and covered with cushioned, color coordinated, cut and sewn vinyl. A storage area shall be provided in the squad bench base under the lift up cushion. The squad bench base shall be constructed of thick aluminum for maximum storage capacity and minimum weight. The interior of the squad bench shall be sprayed with sound absorbing polyurethane material.

One (1) ATTN SEAT - BACK INTEGRAL CHILD, SWIVEL SEAT CN8 COMPLIANT

A rear facing, R-back attendant seat with an integrated child seat shall be installed at the head of the patient cot. The attendant seat shall be a two (2) position swivel seat mounted on a pedestal base with a heavy duty seat frame for an ABTS (All Belts to Seat) application with four (4) point / two (2) retractors single click internal mount belt system. The seat shall be 20" wide with discontinuous recline and a 6" horizontal" slide for fore and aft adjustment(s). The seat shall be KKK-A-1822F Change Notice 8 compliant and conform to all applicable FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seat has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment. The seat shall be padded and covered with sewn color matching vinyl upholstery. Dual Arm rests that can be folded up.

One (1) CPR SEAT FIXED, CN8 COMPLIANT

A CPR seat shall be installed on the street side of the patient compartment aft of the main action area counter. The CPR seat shall be KKK-A-1822F Change Notice 8 compliant with a VALOR A-VAL shelf mount back frame and internal bolsters and wider than standard. The seat belt shall consist of a single click, four (4) point / four (4) retractors, internal mount belt system. The seat shall conform to all applicable

FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seating configuration has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient

Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment. The VALOR A-VAL shelf mount back frame and the seat shall be padded and covered with cushioned, color coordinated, cut and sewn vinyl.

One (1) - TRASH ACCESS, FRONT WALL, MOUNTED

Trash Can held in place by mount secured to front wall. To hold 2.5 gallon waste basket. To include trash can bracket with lid

One (1) HOLD OPENS - SQUAD BENCH LID - GAS CYLINDERS

Two (2) gas cylinders hold -opens shall be provided and installed to hold the cushioned lid in the open and closed position.

One (1) CABINET CONSTRUCTION - INTERIOR - ALUMINUM

All interior cabinets shall be constructed of thick welded aluminum. Wood products shall not be used in the construction of any interior cabinet. All cabinet exteriors, interiors, drawer fronts, drawer interiors, and aluminum doors shall be sealed with a washable sprayed-on multi-use polychromatic coating.

One (1) RECESSED ADJUSTABLE SHELF TRACK - CABINETS

Unistrut 13/16" x 13/32", 19 gauge channel shall be installed in the interior cabinets that contain adjustable shelves. The track shall be welded in and recessed to reduce the number of fasteners and provide a cleaner look.

One (1) HOLD OPENS FOR INTERIOR DOORS

All interior cabinets with doors less than 6" tall shall have friction hinges as hold opens for door(s). Doors 6" and taller shall be designed using gas shocks as hold opens for the door(s).

One (1) CATCH, MAGNETIC - ADHESIVE BACK FOR INTERIOR DOOR(S) OVER 36 INCHES

All interior doors that are over 36" inches tall with a latch on the top of the door shall have an adhesive back magnetic catch installed on the bottom of the door.

One (1) CABINET DOORS - CLEAR POLYCARBONATE

All cabinet doors shall be clear polycarbonate material. The sliding cabinet doors shall be installed in aluminum track lined with PPL inserts to eliminate rattles and prevent the doors from opening during transit. An edge mounted aluminum handle shall be installed on each sliding cabinet door.

One (1) CABINETS/ WALLS - POLYCHROMATIC COATING -

All exposed side walls, the partition wall (on the patient compartment side only), the headliner, along with the cabinet and drawer fronts, aluminum doors, cabinet and drawer interiors shall be covered with a washable sprayed-on multi-use polychromatic coating, to create a laminate-free interior.

One (1) COUNTER TOP - SOLID ACRYLIC - (BLACK)

A solid acrylic counter top, Black, with a 1/2" lip shall be installed to prevent equipment from sliding off. The solid acrylic counter top shall be provided on both the primary and secondary action area counters, fore and aft of the CPR seat.

One (1) UPHOLSTERY – Charcoal Gray

All cushions, head pads and seats shall be covered with gray expanded vinyl upholstery material. The vinyl and all foam cushion material shall comply with FMVSS #302 flame spread requirements.

One (1) LONCOIN II FLECKS, NON-SLIP EMBOSSED COIN ONYX OR EQUIVALENT

The floor in the patient compartment shall be covered with Lonseal brand "Loncoin II" non-slip, (embossed coin) Onyx #150, resilient sheet vinyl flooring material, which shall be covered 3-inches up the wall on the street side, and to the top of the squad bench base on the curbside. The flooring material shall be stripped and waxed before delivery.

One (1) COT MOUNT FASTENERS

One (1) ASPIRATOR / SUCTION - SSCOR - WITH ELECTRIC PUMP - RECESSED

An SSCOR suction system with a 12 VDC electric vacuum pump shall be recessed into the street side lower interior wall near the attendant's seat. The 12 VDC electric vacuum pump shall be mounted in the standard outside storage compartment. The system shall be activated by a switch on the attendant control panel. The SSCOR vacuum pump exhaust shall be vented to the exterior of the vehicle.

One (1) ASSIST HANDLES, (2) 'V' ANTI-MICROBIAL (YELLOW), (4) BLACK U

A total of six (6) assist handles shall be provided: two (2) 1-1/4" diameter Yellow Anti-microbial stainless steel 'V' handles, one (1) on each rear passage door; and four (4) 10-7/8" black vulcanized rubber with steel core assist handles, two (2) handles at the rear doorway, one (1) at the curbside doorway, and one (1) on the curbside sliding door.

One (1) CLOCK - FRANKLIN DIGITAL - REAR HEAD PAD

A Franklin digital clock shall be installed in the head pad above the rear module passage doors.

One (1) COT FASTENER - TRACK FOR STRYKER POWER LOAD SYSTEM - SIDE POSITION CN8 50-60-

A floor track for a customer installed Stryker Power-LOAD, power-loading cot fastener system (side mount) shall be installed on the module floor to accommodate a Stryker cot. 0.625" thick aluminum tapping plate(s) shall be installed below the aluminum floor to secure the cot fastener system. (Does not include cot).

One (1) STRYKER POWERLOAD POWER WIRE FOR LOAD SYSTEM

Power to be installed by manufacture, dealer to install STRYKER POWERLOAD SYSTEM prior to delivery

One (1) DRY ERASE BOARD WITH MARKERS AND ERASER – TBD

A 12.50" x 35" dry erase board shall be installed in a location to be determined at a pre-construction conference. Two (2) dry erase markers and one (1) eraser shall be shipped loose with the completed ambulance.

One (1) EMBLEMS / SIGNS - REAR PATIENT COMPARTMENT

Two (2) "No Smoking / Oxygen Equipped / Fasten Seat Belts" signs shall be provided. One (1) sign shall be installed in the cab and one (1) above the oxygen outlets in the patient compartment street side cabinet.

One (1) EXHAUST VENTILATOR, 3-SPEED - MULTIPLEX ELECTRIC SYSTEM

A three-speed, 300 CFM (minimum) exhaust fan meeting KKK-A-1822F requirements shall be provided and located in the street side cabinet in the patient compartment. The exhaust fan shall be pulse width modulated from a switch on the attendant control panel vista screen. The exhaust system shall have a louvered grille inside and a chrome vent outside. The exhaust system shall vent through the side of the vehicle, not through the roof.

One (1) ZICO QR-D-2 STORAGE BRACKET FOR "D", JUMBO "D" OR STEEL "D" CYLINDER

Two (2) Zico #QR-D-2 storage bracket which shall be CN9 compliant to meet J3040 requirements shall be installed for two (2) "D", Jumbo "D", or steel "D" oxygen cylinder in a location to be on front wall

One (1) FLOOR CONSTRUCTION- PATIENT COMPARTMENT, NON-WOOD COMPOSITE

The sub-floor in the patient compartment shall be constructed of thick aluminum over .125" and .190" thick reinforcing hat sections and mounting laterals. The aluminum sub-floor shall be covered with a single piece of 3/4" non-wood composite material. All corner molding, edging and trim shall be anodized aluminum or stainless steel and shall be sealed to prevent fluids from seeping under the cabinets.

Wood floors are not satisfactory and shall not be accepted by the purchaser.

One (1) FLOORING - COVE

The patient compartment floor radius shall be coved with pre-formed floor coving material. The coving shall be installed behind the vinyl floor covering, along both the street side and curbside walls.

One (1) GLOVE DISPENSER - (4) BOX – FRONT WALL - CURBSIDE (ABS)

A four (4) - box glove dispenser unit, with a clear polycarbonate hinged access panel with four(4) cutouts, shall be recessed above the curbside entry door. A 1/4" turn latch will be installed on the face of the glove box access panel.

One (1) GLOVE DISPENSER - (2) BOX - EACH REAR DOOR - TOTAL TWO (2)

A double box glove dispenser unit, with a clear polycarbonate hinged access panel with cut-out, shall be recessed on the rear passage doors, one each door.

One (1) GRAB RAILS, 1-1/4" DIAMETER, ANTI-MICROBIAL (YELLOW) 96" AND 64"

Two (2) 1-1/4" diameter stainless steel, yellow Anti-microbial grab rails shall be installed on the ceiling of the patient compartment. One (1) 64" rail shall be installed over the squad bench area and one (1) 96"

rail shall be installed over the patient cot area for attendant/patient balance control. The 96" grab rail will be attached to the ceiling with three (3) mounting brackets that secure it to the super structure of the module.

Installation of each grab rail shall comply with AMD-008 requirements.

One (1) HEADLINER - REAR PATIENT COMPARTMENT

The headliner in the patient compartment shall be one-piece, seamless, thick aluminum finished with sprayed-on multi-use polychromatic coating.

One (1) I V HANGERS - CEILING RECESSED - CAST PRODUCTS #IV2008-1 (2)

Two (2) Cast Products #IV2008-1 recessed, dual, ceiling I.V. hangers shall be provided. One (1) installed near the street side above the cot area, and one (1) near the curbside above the squad bench area.

One (1) OXYGEN OUTLETS (2) WALL / (1) CEILING - OHIO MEDICAL TYPE

Three (3) Ohio Medical flush mounted, quick release outlets shall be installed. One (1) in the forward street side cabinet action area, one (1) shall be installed in the wall above the squad bench and one (1) shall be installed in the ceiling above the middle of the cot.

One (1) FLOW METER, OXYGEN - THORPE STYLE

One (1) Thorpe style oxygen flow meter (15LPM) shall be shipped loose with the completed vehicle.

One (1) OXYGEN SYSTEM, ELECTRIC - MULTIPLEX ELECTRIC SYSTEM

A 12 VDC controlled electric O2 system operated through the v-mux multiplex electrical system shall be provided and installed. The oxygen system shall be completely installed and include a pre-set oxygen regulator with a cylinder pressure gauge and a 200 PSI safety valve with all necessary piping and connections. The oxygen system shall be completely low pressure, and the regulator shall be fastened directly to the cylinder. The regulator shall be set to operate at approximately 50 PSI. The oxygen cylinder shall be installed so the system may be easily turned on and off at the main cylinder valve from the patient compartment. The oxygen cylinder shall be provided by the purchaser.

The oxygen system monitor shall be readily available to the attendant while seated at the head of the cot as part of the microprocessor based electrical system. Flexible conductive oxygen hose with a minimum 900 lbs. burst rating shall be installed between the regulator and the oxygen receptacles. The system shall be tested and tagged in conformance with NFPA-56-F and KKK-A-1822F.

The electric oxygen system shall be provided with an on/off switch on the attendant control panel. The emergency manual bypass valve shall be located near the oxygen storage compartment in the patient compartment.

One (1) PADDED EDGING PROTECTION

Padded corner edging shall be installed where necessary on exposed corners and edges in the patient compartment for patient and attendant protection.

One (1) PADS, HEAD AND BACK

Vinyl upholstered, foam cushioned head/back pads shall be installed as follows: the lower edge of the upper front wall cabinet (above the partition doorway or window), above the rear doors, above the side door, and on the street side wall behind and each side of the CPR seat. The pads shall be covered with a flame retardant color coordinated vinyl upholstery material.

One (1) RADIO SPEAKERS, REAR HEADPAD (OEM RADIO & ACP FADER CONTROL)

Two (2) stereo speakers shall be installed in the upper rear head pad panel. The fader control for the rear speakers shall be provided through the OEM radio and a fader control located in the ACP.

One (1) STAINLESS STEEL WALL PROTECTION - SQUAD BENCH BASE

A full-length brushed stainless steel panel shall be installed on the face of the squad bench base, and extend up to the bottom of the squad bench lid.

One (1) DOOR PANELS - MODULE PASSAGE DOORS - FULL LENGTH ALUMINUM - W/ACCESS PANELS

The inner door panels shall be manufactured from aluminum, and covered with a washable sprayed-on multi-use polychromatic coating. The panels shall run the full length of the door and will contain a removable latch access panel.

One (1) STAINLESS STEEL WALL PROTECTION - INTERIOR STREETSIDE

A brushed stainless steel panel shall be provided on the street side wall from the bottom of the CPR seat cushion down to the flooring material to protect this area when the cot is taken in or out of the vehicle.

One (1) HOLDER / SWIVEL BASE FOR LIFE-PAK 15 TECHNIMOUNT

A Technimount swivel base for Life Pak 15 shall be provided with the vehicle. The location will be in the secondary action area.

One (1) TELESCOPIC LAPTOP MOUNT CURBSIDE WALL-

Mount shall be able to be utilized by occupants in bench seat in airway seat.

One (1) TURTLE TILE - SKID-RESISTANT MAT, CURBSIDE STEPWELL

Skid resistant charcoal gray turtle tile matting shall be installed in the curbside step well.

One (1) PAINT PROCEDURE

All non-anodized aluminum module body surfaces shall be completely chemically steam cleaned, filled with premium body filler as needed, sanded smooth and primed with an epoxy primer and then primed again with a high solid primer.

The cured primer surfacer shall be DA sanded with 320 grit and cleaned. A high solid primer shall then be applied, where needed, as a sealer.

One (1) PAINT MODULE - OEM RED

The module shall be painted with a low voc polyurethane paint, to match the OEM chassis color, at a dry thickness of no less than 2 to 2.5 mils.

One (1) CLEAR COATING - MODULE PAINT

The entire module shall be clear-coated, sprayed over the final paint coat.

One (1) BUFFING, PAINT - MODULE

The paint on the module sides shall be buffed to a high shine using a recommended paint buff system.

One (1) CAB - OEM PAINT

One (1) CHEVRON STRIPING - FULL COVERAGE

Red/ Yellow (match Fire Apparatus) Reflective chevron striping 10" wide inverted "V" shall be installed on the complete rear of the module.

One (1) BLACK REFLECTIVE MATERIAL IN RUB RAILS

Rub rails shall incorporate a 5/8" wide black reflective scotchlite safety accent stripe.

One (1) DOOR REFLECTIVITY

Reflective material (25" x 2.5" red/yellow chevron style) meeting FMVSS 108 requirements shall be installed on the lower interior stainless steel panel of each rear door and hinged side door.

One (1) GRAPHICS PACKAGE

Gold Leaf Premium Lettering "EMERALD ISLE FIRE DEPARTMENT" on two sides, "EMERALD ISLE" on front of the module. "PARAMEDIC" in 4 locations TBD at pre-build. Additional 1-6-1 reflective "Z" striping, colors TBD.

One (1) KKK-A-1822F COMPLIANCE

A KKK-A-1822F compliance sticker, electrical load analysis sticker, and payload sticker shall be installed in the oxygen compartment. Any deviations from KKK-A-1822F shall be listed in the vehicle delivery packet with a notation on the-compliance sticker.

One (1) CAAS GVS 1.0 COMPLIANCE PACKAGE

A CAAS certified ambulance shall include the following items IATS (unless specified otherwise by the customer and waiver letters are submitted from the state certifying agency): Automatic

Charger / Conditioner Label in cab

- Two (2) portable equipment charging circuit leads
- Warning light flash pattern with primary / secondary modes (KKK,SAE, NFPA configuration acceptable)
- Fuel fill diamond plate splash plate

- Twelve (12) disposable plastic trash liners
- Light and door spring in module battery compartment
- Locks for all roll up doors
- Two (2) 5# ABC fire extinguishers with compliant mounting brackets - shipped loose
- Partition/bulkhead with latchable window from cab side
- Scotchlite Stripe
- Lettering and decal package (installed)
- Stepwells to be illuminated
- Drip Rails Around Vehicle, front, rear, both sides and above doors
- Module calculations to be supplied with the finished vehicle (the required minimum payload patients, passengers, and cargo / equipment) per vehicle with optional permanently mounted equipment to be 1,3000 pounds

A CAAS certification sticker, electrical load analysis sticker and payload sticker shall be installed in the oxygen compartment. Any deviations from the specification shall be listed in the vehicle delivery packet with a notation on the certification sticker.

One (1) VEHICLE MANUALS (1) PACKAGE SET

One (1) Delivery Manual Package shall be supplied with the vehicle, and shall include the following items:

- Ambulance manufacturer parts, service and operation manuals
- OEM chassis owner's guide
- Complete 12 VDC and 125 VAC wiring schematics for all included standard and optional systems
- Multiplex Electrical system programming - electronic media

TWO (2) STORAGE FOR "M" OR "H" TANK

There shall be storage for two (2) "M" or "H" oxygen cylinder. A spring loaded hinged acrylic door shall be provided to allow access from inside the patient compartment to the oxygen cylinder valve. A 9-square inch vent shall be provided in the oxygen storage compartment to permit leaking gas to dissipate to the exterior of the vehicle. The oxygen cylinder shall be secured with a minimum of four (4) restraining devices, meeting AMD standard 003. A cylinder changing wrench shall be provided and secured inside the oxygen cylinder compartment. The compartment door shall be held open with a spring loaded gas cylinder. A locking handle shall be installed on the exterior of the door. The oxygen cylinder shall be provided by the purchaser

One (1) TRAUMA BAG HOLDER

Means to secure the medical bag to better safety in the event of an accident.

One (1) IV PUMP POLE

Location shall be in the area of the secondary action area and shall tuck away when not in use per ambulance.

Bids shall only be considered from companies that have an established reputation in the field of custom ambulance manufacture and have an established client base. Professional service, service center, and ability to provide a customer client list. Please list nearest service center for repair and supply a client base list.

Appendix 3- Federal Required Clauses – updated August 2022

The Parties shall comply with all federal laws and regulations applicable to the receipt of FEMA grants, including, but not limited to the contractual procedures set forth in Title 2 of the Code of Federal Regulations, Part 200 (“2 CFR 200”), including Appendix II to such Part (“Appendix II”).

In addition, the Parties agrees as follows:

1. The Town is entitled to exercise all administrative, contractual, or other remedies permitted by law to enforce Contractor's compliance with the terms of this Agreement, except to the extent expressly provided otherwise by this Agreement.
2. The Town may, at its sole discretion, terminate this Agreement for cause or convenience in accordance with the procedures set forth in this Agreement.
3. This Agreement may be amended only by written document executed by a duly authorized representative of each of the parties.
4. Equal Employment Opportunity
Applicable to federally assisted construction contracts. The following clause shall be inserted.

During the performance of this contract, the Contractor agrees as follows:

- A. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:

Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in a conspicuous place, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

- B. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
- C. The Contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information. (4) The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or worker's representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

- D. The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- E. The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- F. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- G. The Contractor will include the portion of the sentence immediately preceding paragraph (1) and the provision of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:

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

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: *Provided*, that if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of

such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

5. Compliance with the Davis-Bacon Act and Copeland Anti-Kickback Act, as applicable, to the Contractor's performance pursuant to this Agreement. *The Davis Bacon Act is applicable to the Emergency Management Preparedness Grant Program, Homeland Security Grant Program, Nonprofit Security Grant Program, Tribal Homeland Security Grant Program, Port Security Grant Program, and the Transit Security Grant Program. It DOES NOT apply to other FEMA grant and cooperative agreement programs, including the Public Assistance Program.* If the Davis-Bacon Act is not applicable, the Copeland Anti-Kickback Act is not applicable. In the event the two acts apply to a federal grant the required contract language can be found in at 29 CFR §5.5(a)(1)-(10).
6. Contract Work Hours and Safety Standards Act

Applicability. This requirement applies to all FEMA contracts awarded by the non-federal entity in excess of \$100,000 under grant and cooperative agreement programs that involve the employment of mechanics or laborers. It is applicable to construction work. These requirements do not apply to the purchase of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

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

2. *Violation; liability for unpaid wages; liquidated damages.* In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or

mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of \$27 for each calendar day on which such individual was required or permitted to work in excess of the standard work week of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.

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

(4) *Subcontracts.* The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

7. Rights to Inventions Made Under a Contract or Agreement

This clause is not applicable to the FEMA Public Assistance Program, but may be applicable to other federal grant or cooperative agreement programs. The clause is required for funding agreements relative to performance of experimental, developmental or research on behalf of the federal government under a funding agreement as defined by 37 CFR §401.2(a). Specific language of the clause can be found in 37 CFR Part 401.

8. Compliance with the Clean Air Act and the Federal Water Pollution Control Act.

a. Clean Air Act

(i) Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, 42 U.S.C. §7401 et seq.

(ii) Contractor agrees to report each violation to The Town and understands and agrees that The Town will, in turn, report each violation as required to assure notification to FEMA and the appropriate Environmental Protection Agency Regional Office.

(iii) Contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

b. Federal Water Pollution Control Act

(i) Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.

(ii) Contractor agrees to report each violation to the Town, the Contractor understands and agrees that The Town will, in turn, report each violation as required to assure notification to North Carolina Department of Public Safety, Federal Emergency Management Agency (FEMA) and appropriate Environmental Protection Agency Regional Office.

(iii) The contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

9. Suspension and Debarment

a. This contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the Contractor is required to verify that neither the Contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

b. Contractor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction related in any way to the performance of this Agreement.

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

d. The Contractor agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this Agreement is valid and throughout the period of any contract that may arise from the performance of this agreement. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

10. Compliance with Byrd Anti-Lobbying Amendment

a. Contractor hereby certifies to the best of its knowledge that:

(i) No Federal appropriated funds have been paid or will be paid, by or on behalf of Contractor, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(ii) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this

Federal contract, grant, loan, or cooperative agreement, Contractor shall complete and submit Standard Form- LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

- b. Contractor shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly. Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient.
- c. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.
- d. By executing this Agreement, Contractor hereby certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 *et seq.*, apply to this certification and disclosure, if any.

11. Procurement of Recovered Materials

- a. In the performance of this Agreement, Contractor shall make maximum use of products containing recovered materials that are EPA- designated items unless the product cannot be acquired
 - (i) Competitively within a timeframe providing for compliance with the contract performance schedule;
 - (ii) Meeting contract performance requirements; or
 - (iii) At a reasonable price.
- b. Information about this requirement, along with the list of EPA-designate items, is available at EPA's Comprehensive Procurement Guidelines web site, <https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program>.

12. Prohibition on certain telecommunications and video surveillance services or equipment.

- a. Definitions. As used in this clause, the terms backhaul; covered foreign country; covered telecommunications equipment or services; interconnection arrangements; roaming; substantial or essential component; and telecommunications equipment or services have the meaning as defined in FEMA Policy 405-143-1, Prohibitions on Expending FEMA Award Funds for Covered Telecommunications Equipment or Services (Interim), as used in this clause.
- b. Prohibitions.
- (1) Section 889(b) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019, Pub. L. No. 115-232, and 2 C.F.R. 200.216 prohibit the head of an executive agency on or after Aug. 13, 2020, from obligating or expending grant, cooperative agreement, loan, or loan guarantee funds on certain telecommunications products or from certain entities for national security reasons.
- (2) Unless an exception in paragraph (c) of this clause applies, the contractor and its subcontractors may not use grant, cooperative agreement, loan, or loan guarantee funds from the Federal Emergency Management Agency to:
- (i) Procure or obtain any equipment, system, or services that uses covered telecommunications equipment or services as substantial or essential component of any system, or as critical technology of any system;
 - (ii) Enter into, extend, or renew a contract to procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology of any system; or
 - (iii) Enter into, extend, or renew contracts with entities that use covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, or as critical technology as part of any system; or
 - (iv) Provide, as part of its performance of this contract, subcontract, or other contractual instrument, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.
- c. Exceptions.
- (1) This clause does not prohibit contractors from providing:
- (i) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or
 - (ii) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.
- (2) By necessary implication and regulation, the prohibitions also do not apply to:
- (i) Covered telecommunications equipment or services that: i. Are not used as a substantial or essential component of any system; and ii. Are not used as critical technology of any system.
 - (ii) Other telecommunications equipment or services that are not considered covered telecommunications equipment or services.

d. Reporting Requirement.

(1) In the event the contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the contractor is notified of such by a subcontractor at any tier or by any other source, the contractor shall report the information in paragraph (d)(2) of this clause to the recipient or subrecipient, unless elsewhere in this contract are established procedures for reporting the information.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause:

(i) Within one business day from the day from the date of such identification or notification: The contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) With 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: Any further available information about mitigation actions undertaken or recommended. In addition, the contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) Subcontracts. The Contractor shall insert the substance of this clause, including this paragraph (e), in all subcontracts and other contractual instruments.

13. Domestic Preferences for Procurements

(a) As appropriate and to the extent consistent with law, the contractor should, to the greatest extent practicable, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States. This includes, but is not limited to iron, aluminum, steel, cement, and other manufactured products.

(b) For purposes of this section:

(1) "Produced in the United States" means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.

(2) "Manufactured products" means items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.

14. Affirmative Socioeconomic Steps

If subcontracts are to be let, the prime contractor is required to take all necessary steps identified in 2 C.F.R. §200.321(b)(1)-(5) to ensure that small and minority businesses, women's business enterprises, and labor surplus firms are used when possible. Those steps are outlined below:

- Placing qualified small and minority businesses and women's business enterprises on solicitation lists.

- Assuring that small and minority businesses, and women’s business enterprises are solicited whenever there are potential sources.
- Dividing total requirements, when economically feasible, into smaller task or quantities to permit maximum participations by small and minority businesses, and women’s business enterprises.
- Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women’s business enterprises.
- Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

15. Access to Records

The following access to records requirement applies to this Agreement:

- a. Contractor agrees to provide, the Town, the North Carolina Department of Public Safety, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts, and transcriptions.
- b. Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.
- c. Contractor agrees to provide the FEMA Administrator or his authorized representatives access to construction or other work sites pertaining to the work being completed under the contract.
- d. In compliance with section 1225 of the Disaster Recovery Reform Act of 2018, the Town and the Contractor acknowledge and agree that no language in this contract is intended to prohibit audits or internal reviews by the FEMA Administrator or the Comptroller General of the United States.

16. Use of DHS Seal

Contractor shall not use the DHS seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA pre-approval. The contractor shall include this provision in any subcontract.

17. Compliance with Federal Law

This is an acknowledgement that FEMA financial assistance will be used to fund all or a portion the Agreement only. The Contractor will comply will all applicable federal law, regulations, executive orders, FEMA policies, procedures, and directives.

18. Compliance with Federal Law

This is an acknowledgement that FEMA financial assistance will be used to fund all or a portion the Agreement only. The Contractor will comply will all applicable federal law, regulations, executive orders, FEMA policies, procedures, and directives.

19. No Obligation of Federal Government

The Federal Government is not a party to this Agreement and is not subject to any obligations or liabilities to the non-Federal entity, contractor, or any other party pertaining to any matter resulting from the contract.

20. Program Fraud and False or Fraudulent Statements or Related Acts

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

21. License and Delivery of Works Subject to Copyright and Data Rights

Applies to contracts related to producing copyrightable subject matter and/or data and provides the federal government certain rights as defined in 2 CFR §200.315(b) and (d).

The Contractor grants to the Town of Emerald Isle, a paid-up, royalty-free, nonexclusive, irrevocable, worldwide license in data first produced in the performance of this contract to reproduce, publish, or otherwise use, including prepare derivative works, distribute copies to the public, and perform publicly and display publicly such data. For data required by the contract but not first produced in performance of this contract, the Contractor will identify such data and grant to the Town of Emerald Isle or acquires on its behalf a license of the same scope as for data first produced in the performance of this contract. Data, as used herein, shall include any work subject to copyright under 17 U.S.C. §102, for example, any written reports or literary works, software and/or source code, music choreography, pictures or images, graphics, sculptures, videos, motion pictures or other audiovisual works, sound and/or video recordings, and architectural works. Upon or before the completion of this contract, the Contractor will deliver to the Town of Emerald Isle data first produced in the performance of this contract and data required by the contract but not first produced in the performance of this contract in formats acceptable by the Town of Emerald Isle.

22. Safeguarding of Sensitive Information and Information Technology Security and Privacy Training (reference Homeland Security Acquisition Regulation (HSAR 3052.204-71 Contractor Access)

(a) Sensitive Information, as used in this clause, means any information, which if lost, misused, disclosed, or, without authorization is accessed, or modified, could adversely affect the national or homeland security interest, the conduct of Federal programs, or the privacy to which individuals are entitled under section 552a of title 5, United States Code (the Privacy Act), but which has not been specifically authorized under criteria established by an Executive Order or an Act of Congress to be kept secret in the interest of national defense homeland security or foreign policy. This definition includes the following categories of information:

(1) Protected Critical Infrastructure Information (PCII) as set out in the Critical Infrastructure Information Act of 2002 (Title II, Subtitle B, of the Homeland Security Act, Pub. L. 107-296, 196 Stat. 2135), as amended, the implementing regulations thereto (Title 6, Code of Federal Regulations, part 29) as amended, the applicable PCII Procedures Manual, as amended, and any supplementary guidance officially communicated by an authorized official of the Department of Homeland Security (including the PCII Program Manager or his/her designee);

(2) Sensitive Security Information (SSI), as defined in Title 49, Code of Federal Regulations, part 1520, as amended, "Policies and Procedures of Safeguarding and Control of SSI," as amended, and any supplementary guidance officially communicated by an authorized official of the Department of Homeland Security (including the Assistant Secretary for the Transportation Security Administration or his/her designee);

(3) Information designated as "For Official Use Only," which is unclassified information of a sensitive nature and the unauthorized disclosure of which could adversely impact a person's privacy or welfare, the conduct of Federal programs, or other programs or operations essential to the national or homeland security interest; and

(4) Any information that is designated "sensitive" or subject to other controls, safeguards or protections in accordance with subsequently adopted homeland security information handling procedures.

(b) "Information Technology Resources" include, but are not limited to, computer equipment, networking equipment, telecommunications equipment, cabling, network drives, computer drives, network software, computer software, software programs, intranet sites, and internet sites.

(c) Contractor employees working on this contract must complete such forms as may be necessary for security or other reasons, including the conduct of background investigations to determine suitability. Completed forms shall be submitted as directed by the Contracting Officer. Upon the Contracting Officer's request, the Contractor's employees shall be fingerprinted, or subject to other investigations as required. All Contractor employees requiring recurring access to Government facilities or access to sensitive information or IT resources are required to have a favorably adjudicated background investigation prior to commencing work on this contract unless this requirement is waived under Departmental procedures.

(d) The Contracting Officer may require the Contractor to prohibit individuals from working on the contract if the Government deems their initial or continued employment contrary to the public interest for any reason, including, but not limited to, carelessness, insubordination, incompetence or security concerns.

(e) Work under this contract may involve access to sensitive information. Therefore, the Contractor shall not disclose, orally or in writing, and sensitive information to any person unless authorized in writing by the Contracting Officer. For those Contractor employees authorized access to sensitive information, the Contractor shall ensure that these persons receive training concerning the protection and disclosure of sensitive information both during and after contract performance.

The Contractor shall include the substance of this clause in all subcontracts at any tier where the subcontractor may have access to Government facilities, sensitive information, or resources.

23. Assurances of Compliance with Title VI of the Civil Rights Act of 1964

Contractor and any Subcontractor, or the successor, transferee, or assignee of Contractor or any Subcontractor, shall comply with Title VI of the Civil Rights Act of 1964, which prohibits recipients of federal financial assistance from excluding from a program or activity, denying benefits of, or otherwise discriminating against a person on the basis of race, color, or national origin (42 U.S.C. §§ 2000d et seq.), as implemented by the Department of the Treasury's Title VI regulations, 31 C.F.R. Part 22, which are herein incorporated by reference and made a part of this contract. Title VI also

provides protection to persons with “Limited English Proficiency” in any program or activity receiving federal financial assistance, 42 U.S.C. §§ 2000d et seq., as implemented by Treasury’s Title VI regulations, 31 U.S.C. Part 22, and herein incorporated by reference and made a part of this Contract.