

CHASSIS:

The chassis required for this project is specified in detail below. Failure of the bidder to provide the chassis exactly as specified will be grounds for rejection of the bidder's proposal as being non-responsive. Exceptions will be made only if the bidder can prove that a required feature is unavailable from the chassis O.E.M. The acronym O.E.M. Is Original Equipment Manufacturer. The O.E.M. is the chassis manufacturer and the vehicles Make Origin.

1.01 CHASSIS, 2011 NAVISTAR4300 SBA LP 4X2 (MH025):

The vehicle converter shall supply a 2011 or newer 169” wheelbase, 101.90 Cab axle, 63.00 Axle to Frame: Navistar chassis for the ambulance conversion. The wheelbase shall be factory supplied by the O.E.M. Modified wheelbases made from chassis with shorter or longer wheelbases is not acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.02 AMBULANCE CHASSIS PROFILE:

- The package shall be designed to hold up to the demands and duty cycles inherent with Emergency Medical Vehicles.
- GVWR: 20,000. Calc. GVWR: 21,000
- CALC.START / GRADE ABILITY: 47.70% / 3.97% @ 55 MPH Calc. Geared Speed: 71.6 MPH
- DIMENSION: Wheelbase: 169.00, CA: 101.90, Axle to Frame: 63.00
- ENGINE, DIESEL: {MaxxForce DT} EPA 10, 245 HP @ 2200 RPM, 660 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed
- TRANSMISSION, AUTOMATIC: {Allison 3000EVS_P} 4th Generation Controls; Close Ratio, 5-Speed; With Overdrive, Includes Oil Level Sensor, With Provision for PTO, Less Retarder
- AXLE, FRONT NON-DRIVING: {Dana Spicer E-1002W} Wide Track, I-Beam Type, 9,000-lb Capacity
- AXLE, REAR, SINGLE: {Meritor MS-17-14X-3DFL} Single Reduction, 17,500-lb Capacity, With 190 Wheel Ends Gear Ratio: 4.33
- CAB: Conventional
- TIRE, FRONT: (2) 245/70R19.5 XZE (MICHELIN) 619 rev/mile, load range H, 16 ply
- TIRE, REAR: (4) 245/70R19.5 XZE (MICHELIN) 619 rev/mile, load range H, 16 ply
- SUSPENSION, REAR, AIR, {International} Ride Optimized Suspension (IROS); 12,000-lb Capacity, 5.3" Ride
- SINGLE: Height, With Shock Absorbers
- PAINT: Cab schematic 100GA Location 1: 2785, Red (Custom)

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.03 ENGINE AND RELATED EQUIPMENT:

Engine performance shall comply with or exceed the most current revision of KKK-A-1822.

- ENGINE, DIESEL {MaxxForce DT} EPA 10, 245 HP @ 2200 RPM, 660 lbft Torque @ 1300 RPM 2400 RPM Governed Speed.
- AIR COMPRESSOR AIR SUPPLY LINE: Naturally-Aspirated
- COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control
- CRUISE CONTROL: Electronic; Controls Integral to Steering Wheel
- ENGINE OIL DRAIN PLUG: Magnetic
- ENGINE SHUTDOWN: Electric, Key Operated
- FUEL/WATER SEPARATOR: Fuel/Water Separator and Fuel Filter in a Single Assembly; With Water-in-Fuel Sensor; Engine Mounted.
- GOVERNOR: Electronic.
- OIL FILTER, ENGINE: Spin-On Type
- WET TYPE CYLINDER SLEEVES:
- FAN DRIVE: {Borg-Warner SA85} Viscous Type, Screw On Fan.
- FAN: Nylon.
- RADIATOR: Aluminum; 2-Row, Cross Flow, Over Under System, 1045 Sq In Louvered, With 302 Sq In CAC, With 369 Sq In LTR, Includes In-Tank Transmission Oil Cooler.
- ANTI-FREEZE: Red Shell Rotella Extended Life Coolant; -40 Degrees F/ -40 Degrees C; DEAERATION SYSTEM: with Surge Tank.
- HOSE CLAMPS: RADIATOR HOSES: Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps.
- RADIATOR HOSES: Premium, Rubber
- AIR CLEANER: With Service Protection Element.
- GAUGE, AIR CLEANER RESTRICTION: Air Cleaner mounted
- THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
- ENGINE CONTROL, REMOTE MOUNTED: Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for MaxxForce post 2007 Emissions Electronic Engines.
- FAN DRIVE SPECIAL EFFECTS: Fan Cooling Ring with Fan Shroud Effects, Engine Mounted.
- FEDERAL EMISSIONS: for 2010; MaxxForce DT Engines
- EMISSION COMPLIANCE: Engine Shutdown System Exempt Vehicles, Complies With California Clean Air Regulations
- TRANSMISSION:
- TRANSMISSION, AUTOMATIC : {Allison 3000EVS_P} 4th Generation
- Controls; Close Ratio, 5-Speed; With Overdrive, Includes Oil Level Sensor,
- With Provision for PTO, Less Retarder, Max. GVW N/A
- OIL FILTER: Mounted on Transmission
- OIL PAN: Magnet in Oil Pan

- TRANSMISSION SHIFT CONTROL: {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission
- ALLISON SPARE INPUT/OUTPUT: for Emergency Vehicle Series (EVS), Includes J1939 Based Auto Neutral; Rescue, Ambulance
- SHIFT CONTROL PARAMETERS: Allison Performance Programming in Primary and Allison Economy Programming in Secondary

Above section bid exactly as written: _____

Section not provided: _____

Bidder is offering an alternative to this section: _____

1.04 ELECTRICAL SYSTEM:

- ELECTRICAL SYSTEM: 12-Volt, Standard Equipment
- BATTERY SYSTEM: {International} Maintenance-Free, (3) 12-Volt 1950CCA Total
- BATTERY BOX: Steel:
- DATA LINK CONNECTOR: For Vehicle Programming and Diagnostics In Cab
- FUSES, ELECTRICAL: SAE Blade-Type
- HAZARD SWITCH: Push On/Push Off, Located on Top of Steering Column Cover
- HEADLIGHT DIMMER SWITCH: Integral with Turn Signal Lever
- TURN SIGNAL SWITCH: Self-Cancelling for Trucks
- TURN SIGNALS, FRONT: Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted
- WINDSHIELD WIPER SWITCH: 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
- WINDSHIELD WIPERS: Single Motor, Electric, Cowl Mounted
- CIGAR LIGHTER: Includes Ash Cup
- WIRING, CHASSIS: Color Coded and Continuously Numbered
- HORN, ELECTRIC: (2)
- BODY BUILDER WIRING: Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/ Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn
- SPEAKERS IN CAB: (4) Coaxial with Premium Interior
- POWER SOURCE, TERMINAL TYPE: 2-Post
- HORN: AIR Black, Single Trumpet, Air Solenoid Operated
- SWITCH, TOGGLE, FOR WORK LIGHT: Lighted; on Instrument Panel and Wiring Effects for Customer Furnished Back of Cab Light
- HEADLIGHTS: Halogen; Composite Aero Design for Two Light System; Includes Daytime Running Lights
- STARTING MOTOR: {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection
- INDICATOR, LOW COOLANT LEVEL: With Audible Alarm
- CIRCUIT BREAKERS: Manual-Reset (Main Panel) SAE Type III With Trip Indicators

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.05 INTERIOR APPOINTMENT STANDARDS:

- CAB Conventional:
- ARM REST: (2) Molded Plastic; One Each Door
- CLEARANCE/MARKER LIGHTS: (5) Flush Mounted
- COAT HOOK CAB: Located on Rear Wall, Centered Above Rear Window
- CUP HOLDERS: Two Cup Holders, Located in Lower Center of Instrument Panel
- DOME LIGHT: CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted
- GLASS, ALL WINDOWS Tinted
- GRAB HANDLE, CAB INTERIOR: (1) "A" Pillar Mounted, Passenger Side
- GRAB HANDLE, CAB INTERIOR: (2) Front of "B" Pillar Mounted, One Each Side
- INTERIOR SHEET METAL: Upper Door (Above Window Ledge) Painted Exterior Color
- STEP (4) Two Steps per Door
- AIR CONDITIONER, PROVISION: For Accommodation Package, for Air Conditioning Includes (1) SD7 Sanden Auxiliary Compressor in Secondary Compressor Position and Compressor Drive Effects for Vehicle with Primary Compressor Mounting.
- GAUGE CLUSTER: English with English Electronic Speedometer
- GAUGE CLUSTER: (5) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), and Voltmeter
- ODOMETER DISPLAY: Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout
- WARNING SYSTEM: Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)
- GAUGE: OIL TEMP, ALLISON TRAN
- GAUGE: AIR CLEANER RESTRICTION {Filter-Minder} With Black Bezel Mounted in Instrument Panel
- IP CLUSTER DISPLAY: On Board Diagnostics Display of Fault Codes in Gauge Cluster

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.06 CAB INTERIOR TRIM PREMIUM:

- CAB INTERIOR COLOR: The color of the cab interior shall be gray. All conversion manufacturers' added consoles and devices shall be color keyed to the interior color provided by the O.E.M.
- CAB INTERIOR TRIM PANELS: Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is covered
- CAB SOUND INSULATION: Includes Dash and Engine Cover Insulators
- CONSOLE, OVERHEAD: Molded Plastic; With Dual Storage Pockets with Retainer Nets, Radio Pocket, Speakers, and Reading Lights
- SUN VISOR: (3) Padded Vinyl: 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Vanity Mirror and Toll Ticket Strap, plus 1 Auxiliary Visor (Front Only), Drivers Side

- STORAGE POCKET: Door, (2) Molded Plastic (Carpet Texture), Full-Length; Driver and Passenger Doors
- DOOR TRIM PANELS: with Cloth Insert on Bolster Driver and Passenger Doors
- FLOOR COVERING: Rubber, Black
- COURTESY LIGHT: (2) Mounted In Front Map Pocket Left and Right Side
- HEADLINER: Soft Padded Cloth
- INSTRUMENT PANEL TRIM: Molded Plastic with Black Center Section
- GAUGE: TEMPERATURE, AMBIENT Includes Compass Readout and Wiring and Sensor With Display Unit Mounted in Cluster
- WINDOW, POWER: (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature
- KEYLESS ENTRY SYSTEM REMOTE: With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

1.07 SIDE REAR VIEW MIRRORS

- Dual O.E.M. Mirrors with power adjusted mirror glass and manually telescoping mirror heads, shall be mounted to the forward, lower corner of the cab door window. Both mirrors shall feature a bi-directional break-away function to permit folding the mirror heads against body in close quarters.
- MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostatically Controlled, Power Both Sides, Clearance Lights LED, Bright Finish Heads & Brackets

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

1.08 FRONT AXLE

- NON-DRIVING: {Dana Spicer E-1002W} Wide Track, I-Beam Type, 9,000-lb Capacity
- SUSPENSION, FRONT, SPRING: Parabolic, Taper Leaf; 9,000-lb Capacity; With Shock Absorbers
- SPRING PINS: Rubber Bushings, Maintenance-Free

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

1.09 REAR AXLE:

- DRIVING: Meritor MS-17-14X-3DFL Single Reduction, 17,500-lb Capacity, With 190 Wheel Ends Gear Ratio: 4.33 Limited slip differential

- SUSPENSION, REAR, AIR, SINGLE: {International} Ride Optimized Suspension (IROS); 12,000-lb Capacity, 5.3" Ride Height, With Shock Absorbers
- SUSPENSION AIR CONTROL VALVE: Pressure Release Control In cab
- DUAL LEVELING VALVES & PING TANKS

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

1.10 EXHAUST SYSTEM:

- Single, Horizontal, After treatment Device Frame Mounted Right Side Back of Cab, Includes Horizontal Tail Pipe
- NOTE: The Horizontal Tailpipe Includes a Temperature Control Device
- ENGINE COMPRESSION BRAKE for MaxxFORCE I6 Engines; Electronically Activated

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

1.11 AIR CONDITIONER:

- AIR CONDITIONER: {Blend-Air} With Integral Heater & Defroster
- CLAMPS, HEATER HOSE: Mubea Constant Tension Clamps : HEATER HOSES Premium
- REFRIGERANT: Hydro fluorocarbon HFC-134A
- AIR CONDITIONER, PROVISION: Accommodation Package, for Air Conditioning, Includes (1) SD7 Sanden Auxiliary Compressor in Secondary Compressor Position and Compressor Drive Effects for Vehicle With Primary Compressor Mounting.

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

1.12 EXTERIOR TRIM:

- FRONT END: Tilting, Fiberglass, With Three Piece Construction
- INSULATION: UNDER HOOD for Sound Abatement
- FRONT BUMPER: Full Width, Aerodynamic, Chrome Plated Steel; 0.142" Material Thickness Front
- TOW HOOK: FRONT, (2) Inside Rail, Frame Mounted
- GRILLE: Chrome
- GRAB HANDLE: Chrome; Towel Bar Type With Anti-Slip Rubber Inserts; for Cab Entry Mounted Left Side Only at "B" Pillar.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.13 STEERING:

- STEERING WHEEL: 2-Spoke, 18" Diam., Black
- STEERING COLUMN: Tilting
- STEERING GEAR: {Sheppard HD94} Power

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.14 TIRES AND WHEELS:

All tires shall be identical make, tread type, size and load range.
All tires shall be balanced per current KKK-A-1822.

- WHEELS, FRONT: {Accuride} DISC; 19.5" Polished Aluminum; 10-Stud (285.75 MM BC) Hub Piloted, Flanged Nut, Metric Mount, 7.50DC Rims; With Steel Hubs
- WHEEL SEALS, FRONT: {International} Oil-Lubricated Wheel Bearings
- ALUMINUM WHEELS: not Painted or Coated : Compatible Tire Sizes: 245/70R19.5, 265/70R19.5
- (2) TIRES, FRONT 245/70R19.5 XZE (MICHELIN) 619 rev/mile, load range H, 16 ply

- WHEELS, REAR {Accuride} DUAL DISC; 19.5" x 7.50" DC DC Polished Aluminum Outer Wheel, 10-Hand Hole, and 7.50" DC Steel Inner Wheel, 5-Hand Hole, 10-Stud (285.75 MM BC) Hub Piloted, Flanged Nut, Metric Mount, With Steel Hubs
- WHEEL SEALS, REAR Oil Lubricated, Includes Wheel Bearings
- ALUMINUM WHEELS not Painted or Coated: Compatible Tire Sizes: 245/70R19.5, 265/70R19.5
- (4) TIRES, REAR- 245/70R19.5 XZE (MICHELIN) 619 rev/mile, load range H, 16 ply

- WHEEL, SPARE: DISC 19.5" Painted Steel, 5 Hand Hole, 10-Stud (285.75MM BC) 7.50"DC Rim

- TIRE SPARE: (1) 245/70R19.5 XZE (MICHELIN) 619 rev/mile, load range H, 16 ply

Above section bid exactly as written: _____

Section not provided: _____

Bidder is offering an alternative to this section: _____

1.15 CHASSIS BRAKES:

- Brakes will be O.E.M. supplied
- BRAKE SYSTEM: AIR Dual System for Straight Truck Applications
- BRAKE LINES: Color and Size Coded Nylon
- DRAIN VALVE: Twist-Type
- GAUGE, AIR PRESSURE: (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster
- PARKING BRAKE CONTROL: Yellow Knob, Located on Instrument Panel
- PARKING BRAKE, QUICK RELEASE VALVE: Bendix On Rear Axle for Spring Brake Release.
- SLACK ADJUSTERS, FRONT/REAR: Automatic
- SPRING BRAKE MODULATOR VALVE: R-7 for 4x2
- DRAIN VALVE: AUTOMATIC Mounted in Wet Tank {Bendix DV-2} With Heater; for Air Tank
- AIR BRAKE ABS: {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
- BRAKE CHAMBERS: FRONT AXLE {Haldex} 20 SqIn
 - BRAKE CHAMBERS: REAR AXLE {Haldex GC2430XLHD} 24/30 Spring Brake Includes.
 - BRAKE CHAMBER SPRINGS: (2) Rear Parking
- BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; Includes 20 Sq. In. Long Stroke Brake Chambers
- AIR COMPRESSOR: {Bendix Tu-Flo 550} 13.2 CFM Capacity

Above section bid exactly as written: _____

Section not provided: _____

Bidder is offering an alternative to this section: _____

1.16 CAB SEATS, DRIVER/PASS: OEM CAPTAINS' CHAIR:

- SEAT, DRIVER :{National 2000} Air Suspension, High Back With Integral Headrest, Cloth, Isolator, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, -3 to +14 Degree Back Angle Adjust
- SEAT, PASSENGER {National} Air-Suspension, High Back With Integral Headrest, Cloth, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Seat Back Adjustment
- OCCUPANT RESTRAINT SYSTEM: The front, forward facing cab seats shall be equipped with O.E.M. installed three point seat belts. The seat belts shall have pre-tensioners built into the seatbelt assembly to take up belt slack during a violent frontal collision. The seat belt assemblies shall meet or exceed F.M.V.S.S. 208 and 209. The inside conversion panels shall not interfere with the swivel arc of the shoulder rings.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.17 FUEL TANK:

FUEL TANK: Top Draw, D Style, Non Polished Aluminum, 50 U.S. Gal., 189 L Capacity, 16" Deep, With Quick Connect Outlet, Mounted Right Side, Under Cab

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.18 BATTERIES:

The vehicle shall be equipped with Five (5) Odyssey # 1700 dry cell batteries
Three (3) Odyssey # 1700 dry cell batteries located under the driver's side of the cab
Two (2) Converter added Odyssey # 1700 dry cell will be provided
Locate the two converter added batteries in a converter supplied pull out battery compartment under the floor level of the module

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.19 ALTERNATOR:

ALTERNATOR: {Leece-Neville 14931PAH} Brush Type, 12 Volt 320 Amp. Capacity, Pad Mounted

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.20 THROTTLE HIGH IDLE:

The OEM high idle shall be wired into the second stage manufacturing electrical system for charge protection.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.21 WARRANTY:

The chassis manufacturer's standard vehicle warranty policies shall apply.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.22 DOCUMENTATION:

In addition to the standard chassis and conversion Operators Manuals, a complete set of Chassis, Engine, and Transmission Shop manuals on CD or DVD. Will be provided and shipped loose with the vehicle.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.23 CHASSIS HARDWARE AND ACCESSORIES:

The items to follow represent chassis modifications, hardware, and accessories that are required. Failure to provide these features will be cause for rejection of the bidder's proposal as being non-responsive.

1.24 CHASSIS TO MODULR WALK THROUGH :

The chassis cab shall be modified by the successful bidder to allow for passage between the cab and the patient compartment. The required opening shall be cut out of the back of the cab. A flexible weather-tight Hypalon bellows shall be installed around the perimeter of the opening between the back of the cab and the front of the module body. All of the work required under this section shall be performed by the successful bidder. The work shall not be performed by a third party vendor. This shall guarantee a consistent level of quality and warranty protection while assuring that the work is engineered specifically for use with the module body and other equipment as specified.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.25 CAB STEP WEL/RUNNING BOARDS:

Diamond plate step well covers shall be installed on both the curb side and street side cab step wells. The covers shall be made of .125" thick polished diamond tread plate with a minimum 3003-H14 alloy. The street side cover shall include a pull out tray for the three (3) chassis batteries. The driver's side cover will incorporate a 2 step entry and conceal the three battery storage tray. The curbside will conceal the Main fuel tank but will not restrict the fuel filler opening.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.26 WHEEL HUB AND LUG NUT COVERS:

Phoenix, Polished S/S Hub and Nut Covers. The center steel hub and lugs shall be capped off with bright stainless steel, snap on caps designed to cover wrench marks, normally left on the lug nuts. The design shall not affect tire and wheel balance when the vehicle is driven between zero and eighty miles per hour

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.27 MUD FLAPS, REAR:

The vehicle converter shall install individual rubber mud flaps behind each rear wheel. The mud flaps may incorporate the converter's corporate logo provided that the logo is made out of stainless steel or equivalent and attached to the mud flap. Logos either printed on, or otherwise incorporated into the mud flap are not desirable as they cannot be removed and possess a tendency to fade.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.28 REAR STEP/BUMPER ASSEMBLY:

The rear of the vehicle shall be equipped with a step/bumper assembly to be fabricated from .250" wall square steel tubing and plate.
The bumper shall mount directly to the frame rail lower section by four (4) 1/2" grade 8 fasteners. The assembly shall be spaced out from the rear kick plate a minimum of 1.5". The center section of the assembly shall pivot up and over center on two (2) .5" bolts to stay in the 'up' position. This section shall be a minimum of 9.5" deep and shall be constructed with grip-strut on the stepping surface to provide for better footing. The ends of the assembly shall be covered in fixed polished aluminum diamond Treadplate.
The distance between the top of the step and the ground shall not be less than 16.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.29 DOC BUMPERS:

Black rubber pods 16" long x 2.5" tall x 2" deep.
Each rubber docking bumper shall be fastened through each bumper end cap to the supporting .250" steel frame by three (3) 3/8" grade 8 fasteners.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.30 REAR TOW HOOKS:

Each tow hook shall be made from forged steel with a minimum capacity of ten thousand pounds (10,000) and mounted to the bumper frame by two (2) ½” grade 8 bolts.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.31 REVERSE ALARM:

An audible alarm shall be installed to activate when the vehicle is placed into reverse gear. There shall be, installed on the front console and wired through the vehicle electrical system, a momentary cutoff switch to disable the alarm. This switch shall automatically reset each time the vehicle is placed into reverse gear

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.32 CONVERTER PROVIDED BATTERIES:

Two (2) Converter added batteries will be provided. The vehicle shall also be equipped with Two (2) OEM batteries Located in a roll out compartment under the Curbside forward compartment

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.33 EMERGENCY START SYSTEM:

The emergency start batteries may be used to start the vehicle by utilizing a switch on the console to tie together all four batteries. If the system for emergency purposes is tied together a notification will appear on the master display.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.34 BACK UP CAMERA:

Rear view Camera system, (1) camera (VOYAGER - VCCS130 KIT) with rear view mirror mounted color monitor
Camera centered over the rear doors.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

1.35 SPARE TIRE STORAGE:

A full size, fully inflated spare tire shall be stored in the Street side intermediate compartment. The tire and wheel assembly shall be fitted to a hat section of aluminum strut welded to the back wall of the compartment. The tire and wheel assembly shall be fastened to the compartment wall utilizing 0.50 inch bolt and wing nut.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____