



**THE NEVADA STATE PURCHASING DIVISION IS SOLICITING BIDS FOR
FORESTRY CREW CARRIER BODY BUILD**

INVITATION TO BID NO. 8389

F.O.B. Nevada Division of Forestry, 885 Eastlake Blvd, Carson City, NV 89704

Release Date: 10/29/15

Vendor Questions Due: 11/9/15

Deadline for Submission and Opening Date and Time: **11/25/15 @ 2:00 PM PT**

Requisition No. 706-26482

For additional information or to obtain a copy of this Invitation to Bid, please contact:

Heather Moon, Buyer III

(775) 684-0179

(TTY for the Hearing Impaired: 1-800-326-6868 and ask the relay agent to dial (775) 684-0179)

See page 31, for instructions on submitting bids.

Company Name: _____

Contact Name: _____ Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone (____) _____ Fax (____) _____

E-Mail Address: _____

While there are no set asides in the State of Nevada or preferences for Minority Business Enterprise, Women Business Enterprise and Small Business, we encourage those vendors to compete for state business at every opportunity and we make every effort to contact these businesses when opportunities arise, therefore if it is your judgment that your business fits within these categories, please check appropriate boxes.

Minority Owned

Women Owned

Small Business

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In accordance with NRS 333.350(1), a contract may be awarded for separate items, portions or groups of items in the best interest of the State, as required.

Prospective vendors are advised to review Nevada's ethical standards requirements, including but not limited to, NRS 281A and the Governor's Proclamation, which can be found on the Purchasing Division's website (<http://purchasing.state.nv.us>).

1. PROJECT OVERVIEW

The Nevada State Purchasing Division, on behalf of the Nevada Division of Forestry, (NDF) is seeking responsible vendors to provide one (1) Forestry Crew Carrier Body. The body will be installed on one (1) 2015 International 4400 (MH035) 4x2 cab and chassis. Unit price must include shipping charges of chassis that is located in Ely, NV, to the vendor's manufacturing facility. Upon completion, the vehicle shall be delivered to the NDF Fleet Services Facility that is located in Carson City, NV. FOB Destination pricing is being requested. This will be a one-time procurement.

The awarded vendor shall accept full responsibility and liability in the transport of the agency's vehicle, relieving the State of Nevada of any loss, liability or claim whatsoever incurred while the vehicle is in the vendor's custody. Following delivery of the completed vehicle, the Nevada Division of Forestry shall thoroughly inspect the vehicle for total compliance with the specifications. Acceptance shall not be accomplished until said equipment is in exact compliance with all requirements as specified.

2. ACRONYMS/DEFINITIONS

For the purposes of this Invitation to Bid, the following acronyms/definitions will be used:

Awarded Vendor/ Contractor	The organization or individual that is awarded and has an approved contract or purchase order with the State of Nevada for the goods identified in this Invitation to Bid.
Bidder/Vendor	Organization or individual submitting a bid in response to this Invitation to Bid.
Division	Division of Forestry
FOB Destination	Free on Board to the destination. Requires the seller to, at its own expense and risk, transport the goods to the destination and there tender delivery of them in the manner provided in NRS 104.2503. <i>See</i> NRS 104.2319(1)(b); UCC 2-319(1).
Goods	As defined in NRS 104.2105, and as specifically identified in this Invitation to Bid.
ITB	Invitation to Bid. A written statement which sets forth the requirements and specifications of a contract to be awarded by competitive selection. <i>See</i> NRS 333.020(4).
Lowest Responsible Bidder/Vendor	Person or firm (company/organization) that conforms in all material respects to the specifications within the invitation to bid and offers the lowest cost after all factors have been considered. <i>See</i> NRS 333.340

MSRP	Manufacturer's Suggested Retail Price
NAC	Nevada Administrative Code
NOA	Notice of Award
NRS	Nevada Revised Statutes
Proprietary Information	Any trade secret or confidential business information that is contained in a bid submitted on a particular contract. <i>See</i> NRS 333.020(5)(a); NRS 333.333.
Public Record	All books and public records of a governmental entity, the contents of which are not otherwise declared by law to be confidential must be open to inspection by any person and may be fully copied or an abstract or memorandum may be prepared from those public books and public records. <i>See</i> NRS 333.333; NRS 600A.030(5).
Purchase Order	Buyer-generated document that authorizes a purchase transaction. It sets forth the descriptions, quantities, prices, discounts, payment terms, date of performance or shipment, other associated terms and conditions, and identifies a specific seller. When accepted by the seller, it becomes a contract binding on both parties; also called order.
Subcontractor	Third party, not directly employed by the vendor, who will provide goods and/or services identified in this ITB. This does not include third parties who provide support or incidental services to the vendor.
Shall/Must/Will	Indicates a mandatory requirement. Failure to meet a mandatory requirement may result in the rejection of a bid as non-responsive.
Should/May	Indicates something that is recommended but not mandatory. If the vendor fails to provide recommended information, the State may, at its sole option, either ask the vendor to provide the information or evaluate the bid without the information.
State	The State of Nevada and any agency identified herein.
Trade Secret	Information including, without limitation, a formula, pattern, compilation, program, device, method, technique, product, system, process, design, prototype, procedure, computer programming instruction or code that derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by the public or any other person who can obtain commercial or economic value from its disclosure or use, and is the subject of efforts that are reasonable under the circumstances to maintain its secrecy. <i>See</i> NRS 600A.030(5).
UCC	Uniform Commercial Code

3. ITEM SPECIFICATIONS

Unless otherwise specified in this ITB, reference to a specific manufacturer or a specific product or model in the bid specifications does not restrict bidders to that manufacturer, product or model. This method is used to indicate the functional requirements (e.g., type, design, characteristics, quality) of the article desired. Bids may be considered on other manufacturer's products or other models determined by the Purchasing Division to be the functional equivalent of the product or model referenced.

DESCRIPTION

This bid solicitation is for the complete construction of one (1) truck body to be designated as "Emergency Crew Transport" (ECT) vehicle, and when mounted to an appropriate cab and chassis, will be described as a Nevada Division of Forestry "13-Passenger Emergency Crew Transport Vehicle." This body will be installed on an agency supplied 2015 International 4400 (MH035) 4x2 cab and chassis, of approximately 107.9" cab-axle measurement, with a 175" wheelbase. Use of the vehicle includes responding to emergency wildland interface incidents, natural disasters, and conservation project work that requires driving on extensive mountain roads and forest truck trails that will impose extreme stress on all components. Safety of the driver and crew is to be considered in all phases of construction. The certification of each vehicle must meet or exceed all requirements of the National Highway Traffic Safety Administration for a Type I Passenger Bus. The final completed vehicle certification is the responsibility of the contractor constructing the body described herein.

SCOPE

These specifications and a prototype Emergency Crew Transport (ECT) vehicle are a job description to be utilized by the contractor to construct one (1) complete, working Emergency Crew Transport vehicle. This job description requires the highest quality, state-of-the-art components including wiring; all of which is required of the finished product provided by this solicitation and subsequent purchase order. Variations between the specifications, and the received cab and chassis may exist in "Cab to Axle dimension", frame construction, and basic component location. The contractor shall make allowances if these differences exist, so that component interface and body clearances can be maintained. If the cab and chassis are delivered with accessories or fittings that prevent the mounting of NDF specified components, i.e., cab roof horns, etc. then such items will be removed and reinstalled elsewhere after all the applicable body work is accomplished by the contractor.

GENERAL PROVISIONS

PRECONSTRUCTION CONFERENCE: **COMPLY** ____ **YES** **NO** ____

A pre-construction conference will be held at the Division of Forestry's facility between the contractor and the designated NDF representative within 15 days after formal notification of receiving the successful bid (NOA). This conference will be held prior to the start of any construction. The purpose of this meeting is to review the specifications and any variations in the chassis. This meeting will be held via conference call and video monitoring systems.

PRODUCTION / DELIVERY SCHEDULE: **COMPLY** ____ **YES** **NO** ____

Each bidder shall submit a production and delivery schedule covering the contract as if they are the successful contractor. Bidders must state when (in calendar days after the PO is issued) the unit will be delivered. The completed unit is to be delivered by the contractor to the NDF Fleet Operations facility in the Carson City area for the final acceptance and operational inspection.

WARRANTY:

COMPLY ____ YES NO ____

The successful contractor shall warranty the new body assembled or manufactured to be free from defects in material, and workmanship for lifetime from the date the unit is placed in field service by the Nevada Division of Forestry. The warranty will ensure that the vehicle has been manufactured to the contract specifications, and will be free from defects in material and workmanship that may appear under normal use and service within the warranty period. The contractor will repair or replace said defective parts and/or materials at no cost to the NDF, and the work is to be done at the contractors authorized service facility that is the closest to the NDF.

Any warranty issues prior to the in-service date will be at the contractor's expense. This warranty shall also include any and all costs if it is necessary to move the unit back to the contractor's place of business, or authorized repair facility for warranty repairs. A copy of this warranty must accompany the bid. The unit will be maintained and repaired by the NDF's Fleet Operations Staff according to the NDF's Fleet Operations Guidelines.

The NDF's Preventive Maintenance Program shall be considered sufficient to meet all warranty requirements. Any questions concerning the maintenance program should be directed to the NDF's Fleet Operations Manager. Forestry fire apparatus operates over a large portion of the State of Nevada, thus making it imperative that the vehicles be repaired throughout the State and the bidder must indicate by letter the procedure to be followed by the NDF in handling items and conditions covered by the warranty or guarantee. This information must accompany the bid.

INSPECTION TRIPS:

COMPLY ____ YES NO ____

Designated NDF representatives will make in-plant inspections during the construction of the crew carrier truck body that is being manufactured. One NDF inspector and Chief Officer will travel to the vendor's fabrication facility to make these inspections. The inspections shall include but not limited to the following:

- A. Pre-construction;
- B. Final pre-delivery inspection; and
- C. Delivery acceptance inspection.

It is the contractor's responsibility to:

- A. Notify the NDF five (14) working days in advance when requesting a required inspection.

REPEAT INSPECTIONS:

COMPLY ____ YES NO ____

The NDF is able to conduct up to two trips for the single unit on contract, with no labor cost to the contractor. If additional inspection trips are required by the contractor, or are necessary because of contractor scheduling, inspection rejections, or other contractor related cases, such inspection trips shall be at the expense of the contractor at the rate as follows:

*\$60.00 per hour: (including travel time). This includes all travel and transportation expenses. The hour rate shall be for a minimum of an eight (8) hour day if overnight travel is required. Airfare and hotel reservations will also be required to be procured by the contractor for the repeat inspections as necessary.

ACCEPTANCE INSPECTIONS: **COMPLY ____ YES NO ____**

The NDF designated representative shall perform a final pre-delivery inspection on the unit at the contractor's place of business prior to delivery of the completed units. The final acceptance and operational inspection of the completed units shall occur after the delivery of the units to the NDF's Fleet Operations Facility in the Carson City area. The complete unit as presented to the NDF's designated representative will be clean externally (freshly washed and chamois), and internally (vacuumed and wiped).

Additionally, the complete unit shall be serviced, **(lube oil & filter changed)** and checked for all requirements for operation (lube, oil, water, air, fuel, etc.) so the unit can be immediately put into service.

GENERAL INFORMATION

NDF REPRESENTATIVE: **COMPLY ____ YES NO ____**

The designated NDF representative will monitor and periodically inspect work as it progresses, and will consult with the contractor in all phases of construction up to the final test of the unit produced according to this contract. The term, "NDF Representative" as used in these specifications will be a Forestry Fleet Supervisor designated by the Nevada Division of Forestry.

DRAWINGS AND SPECIFICATIONS: **COMPLY ____ YES NO ____**

Each bid must be accompanied by scaled drawings and detailed descriptions covering the body and equipment that the bidder is proposing to furnish. Generic drawings will not be acceptable. The successful bidder shall provide complete drawings that include details of construction in addition to the following items: exhaust system location, compartments with dimensions, door hardware, rear bumper design, crew seating, location of emergency lighting, standard lighting, emergency exits, etc.

SERVICE / OPERATORS MANUALS: **COMPLY ____ YES NO ____**

Upon final delivery of the completed unit, the contractor shall submit to the NDF "as built" body components, exploded 3D-CAD views with part #'s, electrical, air conditioning and emergency lighting wiring schematics, complete component and parts lists, serial numbers, line setting tickets and etc. The contractor shall also supply the NDF a master copy with the original service/operators manuals of all the various installed components and schematics in binder format.

CAB AND CHASSIS MODIFICATIONS: **COMPLY ____ YES NO ____**

It is the intent of the NDF to operate the unit as an NDF EMERGENCY CREW TRANSPORT VEHICLE that travels both on and off the highway under extremely severe conditions. All body components and installation shall be engineered and designed in such a manner that will prevent misalignment or interference of one another under extreme strain. As stated previously in the scope, when there are relocations of cab accessories, i.e., mirrors, gauges, etc., to meet specifications and leaves holes, dents or other poor finish, the damage shall be repaired to the original component finish.

NOTE: No component of the Original Equipment Manufacturer's brake system shall be moved or modified.

HEAVY DUTY:

COMPLY ____ YES NO ____

The term "heavy duty" as used in these specifications shall mean that the item of which the term is applied to shall exceed the usual quantity or capacity supplied with standard production vehicles, and it shall be able to withstand unusual strain, exposure, (including salt), temperatures, wear, etc., from the use of frequent off-road vehicle operations.

GENERAL DIMENSIONS AND WEIGHTS:

COMPLY ____ YES NO ____

Manufacturer's gross vehicle weight rating (GVWR) is approximately 33,000 lbs. The completed vehicle is not to exceed this total weight rating.

Specify Completed Vehicle Weight _____

OVERALL CRITICAL DIMENSIONS:

COMPLY ____ YES NO ____

- a. Overall Crew Box length is to be roughly 180 inches.
- b. Overall width is to be roughly 98 inches.
- c. Overall vehicle height is to be no more than 126 inches.
- d. Over center clearance to be no less than 20".
- e. Departure angle to be no less than 13 degrees.

Specify Length _____
 Specify Width _____
 Specify Height _____
 Specify Clearance _____
 Specify Angle _____

VEHICLE WEIGHT RATING AND PAYLOAD:

COMPLY ____ YES NO ____

This agency is extremely concerned about the curb weight, payload allowance, center of gravity and weight distribution due to the personnel and equipment to be carried, and the unique operating conditions that are encountered. The chassis manufacturers displayed gross vehicle weight rating (GVWR) for the vehicle shall not be altered. The successful bidder must provide upon delivery, a certified weight slip showing total curb weight and front and rear axle weights.

SIDE-SLOPE STABILITY:

COMPLY ____ YES NO ____

The manufacturer shall fabricate the body of the crew transport vehicles in such a way as to provide for the best low center of gravity as possible. The NFPA 1906 – Standard for Wildland Fire Apparatus establishes requirements for vehicle stability, weight distribution and load distribution. Vehicles must be capable of operating on 20% grades, and must pass a 30° stability test (27° for GVW's > 33,000 lbs).

A test vehicle shall be placed on a tilt table to test break-over angle. The vehicle will be certified to operate within the NFPA 1906 vehicle stability requirements. The documentation shall be provided upon receiving the vehicle at delivery, and a certification label shall be placed in the driver side door jam.

EXHAUST SYSTEM:

COMPLY ____ YES NO ____

The OEM DPF, muffler(s), tail pipe(s) and header pipe(s) may require relocation and/or modification. The tail pipe(s) and muffler(s) shall be mounted as to provide as much ground clearance as possible and terminate in the area after the left rear wheels with the end cut parallel to the body. Care must be exercised to protect such items as fuel lines, electrical wiring, brake hoses, compartment floors, batteries, fuel and water tanks, etc. from high exhaust heat. To accomplish this purpose, Storm King wrap and heat shielding shall be added as needed. When completed, the exhaust system on the vehicle shall be in accordance with Federal Motor Carrier Safety Regulations, Part 393.83.

SPARE TIRE:

COMPLY ____ YES NO ____

A spare wheel and tire will be shipped to the body builder with the vehicle, which shall be strapped to the frame rails. Vendor will have a check-in and accountability process for the included spare wheel and tire.

BODY LIGHTING:

COMPLY ____ YES NO ____

The fabricated crew carrier body is to include the following:

- Two rear LED stop and tail lights.
- Two rear LED turn signal lights.
- Two rear LED reverse lights.
- Side and rear scene lights.
- Interior LED dome lighting, operated by a door switch, console switch, and front crew compartment panel switch.
- Side marker LED lights.
- LED Clearance and identification lights.
- LED Compartment lighting
- LED Ground lighting
- All lighting to meet FMCSS.
- 107+ dba back-up alarm

BODY FABRICATION

FABRICATION DETAILS:

COMPLY ____ YES NO ____

All details of fabrication shall be maintained as per these specifications, including the prototype vehicle, and the approved contractor's supplied drawings. The contractor shall make all allowances for obstructions to fabrications as required by variations in the chassis.

Minor details of construction and materials that not otherwise specified in this specification are left to the discretion of the contractor, who shall be solely responsible for the design and construction of these components.

QUALITY:

COMPLY ____ YES NO ____

All material and equipment shall be new and unused. All bolts other than stainless steel shall be a minimum of zinc-plated, heat-treated, "SAE Grade 5", of proper length. Exceptions shall be where Grade 8 bolts are specified. All threaded nut fasteners will be self-locking "Nylock" nuts or will have lock washers. Any original equipment manufacturers special design bolt (i.e., SAE Grade 8, flanged head, long shoulder bolt) that is removed from the chassis during fabrication shall be reinstalled or replaced by the same type and grade, and shall be properly torqued to the manufacturer's specifications.

All welds involved in the fabrication process shall be free of slag, internal and external, and all exposed outer surface welds shall be ground smooth. All workmanship, welding, cutting, fabrication, and assembly shall be of high quality, and in conformance with best manufacturing practices. All welding shall be according to ANSI and AWS standards. Flame cut edges will be ground smooth and finished for a neat and uniform appearance. No welding or cutting will be permitted on the basic chassis without the designated NDF Representative's approval.

All brackets, braces, fittings and other attachments will be bolted to the frame or chassis. Existing holes in the standard truck frame shall be utilized wherever possible. If additional bolt holes are required, they shall be drilled through the web of the frame, at least twice the "hole" diameter distance from the start of the frame flange radius. The top and bottom of the frame rail will not be drilled through in any circumstances. Securing of air, coolant, fuel and electrical lines, looms or harnesses will not utilize plastic clips or bands. Only insulated metal loops, clips and/or devices are acceptable for the fire service. Plastic looms underneath the vehicle will be protected with Storm King heat wrap sheathing.

MATERIAL: COMPLY ____ YES NO ____

All sheet metal, structural metal, and formed parts, such as corner posts, doors, side rails, end members, and headers used in fabricating the crew body shall be aluminum or 5052-H32/3003 Treadbright aluminum as noted in this specification.

BRAND NAMES: COMPLY ____ YES NO ____

Unless otherwise stated "No Exceptions", brand names mentioned in these specifications, are for reference only and are intended for the purpose of assisting in describing the need, use, and quality of the item. The contractor will identify any alternate item(s), and it is NDF's responsibility to either accept or reject any alternative item(s).

CURRENT PRODUCTION: COMPLY ____ YES NO ____

The manufactured body and components shall be manufactured from current production components. The use of any used or non-current production parts is prohibited.

PREPARATION: COMPLY ____ YES NO ____

The contractor shall service all of the installed components with the manufacturer's recommended fluids. (i.e. oil, refrigerant, coolant, etc.) The contractor assumes full responsibility for failure or damage to components caused by lack of, or improper service at time of final inspection and acceptance.

SERVICE AND PARTS: COMPLY ____ YES NO ____

Each bidder shall demonstrate the ability to provide satisfactory service and parts supply, and shall state the locations of their service facilities and/or the authorized service representative within 120 miles of Carson City, Nevada.

CONTROLS AND ACCESSORIES: COMPLY ____ YES NO ____

Any control or accessory items connected into the OEM main chassis engine or transmission electronic management systems shall be installed as directed by the chassis manufacturer using their specified hardware or components.

BODY STRUCTURE

CROSS-FRAME BODY CONSTRUCTION: COMPLY ____ YES NO ____

Shall be 2" X 2" 10-gauge aluminum channel, 12" +/- 1" on center welded to the longitudinal riser and side rails or as best determined by the manufacturer.

LONGITUDINAL FRAME BODY CONSTRUCTION:

COMPLY ____ YES NO ____

Shall be 3" X 3" X 1/4" aluminum tubing welded to cross sills, and to the front and rear end members or as best determined by the manufacturer.

SIDE RAILS AND ENDFRAME BODY CONSTRUCTION:

COMPLY ____ YES NO ____

Shall be 10-gauge aluminum used at continuous length and formed.

SIDE WALL AND ROOF CONSTRUCTION:

COMPLY ____ YES NO ____

The sidewall and roof sections shall be slightly canted inward 4-6" at the top, and fabricated from 12-gauge aluminum to form a finished paintable surface. Vertical and horizontal integrity shall be engineered into these sections to form sidewall intermediate vertical posts and roof cross members. The side and end wall horizontal members are to be spaced for maximum strength. The roof sections are to be 14-gauge aluminum. The corner posts are to be 10-gauge aluminum. The front and rear center vertical doorjambs, posts and headers are to be 10-gauge aluminum. The roof framing shall form a peak along the center, approximately 84" from finished floor height to ceiling and slope down to the side rails, approximately 78". The interior roof framing in the forward section shall be flat for the mounting of the crew compartment A/C unit. Any flat roofs or ceilings will be rejected as they will not shed rain and snow. The roof support mechanism shall be evenly spaced approximately 21" on center, except for the escape hatch framing which shall be wider to allow for the Transpec emergency exit. The entire exterior shell of the crew body shall be welded together to form a structural enclosure without the utilization of rivets, or any other fasteners penetrating the exterior front, rear, sides or roof finish exterior sections.

INSULATION:

COMPLY ____ YES NO ____

The module sides, ends, roof, and doors shall be insulated to enhance the interior environment and to prevent heat, cold, and external noise from entering the module. The insulation shall be a non-settling polystyrene foam plank material of 2", 1.5", or 0.75" thickness depending upon location and available space.

In addition, a Norton VHB (very high bond) system shall be utilized on side walls and roof to provide a thermal and noise break between the outside skin and structural members.

RIVETS:

COMPLY ____ YES NO ____

The rivets used to attach the interior paneling directly to the structural sections as needed shall be Crest 304 stainless steel 1601-1613 AVX or equivalent.

Specify Mfr. & No. _____

BODY SCREWS:

COMPLY ____ YES NO ____

Body manufacturer shall use machine screws to fasten door skins, covers, protective plates and accessories to the module. Holes must be threaded, have nut-zerks, weld nuts, spring nuts, and the like to fasten items to the body. The use of thread locker or lock washers on these fasteners is required.

NOTE: Use of regular screws including self-tapping screws to fasten panels or items to the body will be rejected.

FLOORING:

COMPLY ____ YES NO ____

The sub floor shall be made from aluminum. All sub floor seams shall intersect at the cross sills or cross members. The sub floor interior surface shall be covered with .100" 3003 Treadbright aluminum. The flooring shall be installed so that seams run parallel with the walls, with one seam at each fender well. The floor seam layout shall be discussed at the pre-construction conference.

The aluminum flooring shall be continued up the sidewalls approximately 3" to prevent water accessing beneath it. The floor surface shall be fastened to the cross sills with #14 flat-head fasteners on a minimum of 12" centers. All screws are to go through the diamond plate, and into the cross sills. Where nuts and bolts are required at floor joints and etc., the use of 16-gauge backing plates is required.

A waterproof sealant shall be applied between the floor and sub floor surface, and at all joint edges and seams. The sub floor shall be constructed in a manner that is not to be the flooring of any interior or exterior compartments. Any interior compartment floors shall utilize Treadbright aluminum pans, and thus includes the exterior accessible compartments under the rear facing crew seat.

WINDOWS:

COMPLY ____ YES NO ____

The curb and street side crew windows, two (2) on each side, and the approximate size shall be 20" high X 39" wide, and shall be; HEHR model #4725 & #4726 or equal, aluminum frame, with the darkest limo tinted glass available. (Add-on tint is not acceptable).

All four windows shall be flip-up emergency exit style windows with two lift up emergency release levers on the inside of each crew compartment window frame. All four windows will also have a permanent, exterior metal privacy screen to prevent any trash or debris from coming out of an open window.

A single, sliding non-tinted window shall be installed on the forward wall of the crew compartment and aligned with the sliding rear cab window of the particular truck chassis being supplied.

The rear entrance door shall have a tinted fixed window, with an approximate size of 18" X 18-21" (Safety Glass) mounted in a rubber housing. All windows shall meet the requirements of (Federal Title) 49 CFR 571-217. **NO EXCEPTIONS TO THIS REQUIREMENT WILL BE ACCEPTED.**

ROOF TOP EMERGENCY ESCAPE HATCH:

COMPLY ____ YES NO ____

A roof mounted emergency escape hatch, Transpec Model # 28MTG 1000-028-001, is required. **NO EXCEPTIONS TO THIS REQUIREMENT WILL BE ACCEPTED.**

Specify Mfr. & No. _____

REAR CREW ACCESS DOOR:

COMPLY ____ YES NO ____

The door construction shall use a heavy duty polished stainless steel continuous type I hinge. Pin diameter is to be 1/4" with 1" maximum node length. The rear center entrance door shall be installed flush with the rear of the body. The rear center doorframe shall be constructed of 12-gauge aluminum exterior paneling, and with the interior paneling constructed of Treadbright aluminum, with a full height center bracing section to avoid door flex and paint damage. The door shall be designed to be dust and weatherproof, utilizing recessed automotive closed-cell door seals, and insulation shall be installed in

the double paneled crew door. The approximate door size shall be 28" wide X 72" high or as best determined by the manufacturer.

Specify Door Dimensions _____

DOOR CHECKS:

COMPLY ____ YES NO ____

The exterior compartment doors shall be provided with a suitable device or means to hold the doors in the open position, and not allow the door to contact the side body (Cleveland # 2395 AA door check) or equal.

The crew compartment entrance door shall have an Eberhard socket-plunger door holder #5602, or equal, installed with a heavy-duty support backing and must provide clearance and striking other doors when fully opened.

Specify Exterior Compartment Door Check Mfr. & No. _____

Specify Crew Compartment Entrance Door Holder Mfr. & No. _____

DOOR LATCHES:

COMPLY ____ YES NO ____

The door latches shall be flush mounted, stainless steel, Versch paddle type slam latches with rotary latch striker posts or equivalent, which meet FMVSS 206 requirements. Striker shall be adjustable and secured with a nut from behind door frame. The striker washer will not be removed. Cold rolled, threaded 0.162" steel rods shall be used to activate dual rotary latches. Once final adjustments to latches are made, threads are to have Loctite or equivalent applied. All double door compartments shall have an exterior stainless steel paddle handle and rotary latches on each door. Doors will latch to door frame mounted striker posts only and not to one another. Rear entrance door shall have interior handles with dual point, rod actuated, rotary latch systems which are lockable from the outside only. All latches will have a non-slip surface on the underside of the latch. All compartment and module access doors shall be keyed alike on each vehicle. The tall rear storage compartments inside the rear crew compartment should be keyed differently for security purposes from the other compartment door locks.

DOOR HINGES:

COMPLY ____ YES NO ____

All compartment door hinges shall be full length, piano type, stainless steel hinges, 2.5" wide with a 0.25" pin. The hinges shall be attached with 12 x 3/4 stainless steel truss head screws spread 4" apart and staggered 0.5" horizontally for additional strength and adjustability. Hinges shall be staked every 4". All curbside and street side doors shall be hinged on the forward sides. Rear compartment doors shall be hinged on the outboard sides, the rear passage door shall be hinged on the street side. The rear passage door hinge shall be full length, piano type stainless steel hinge, 2.5" wide with a 0.375" pin. Hinge shall be attached to the door and to the module frame with a reinforced nut, washer and bolt system at the top and bottom of the hinge.

DOOR SEALS:

COMPLY ____ YES NO ____

Each doorframe will have a 0.875" flange for the installation of an air cell hollow core, 360-degree compression door seal. This seal creates watertight, dust-free compartment integrity. Door seal shall be knock-on type.

THRESHOLDS:

COMPLY ____ YES NO ____

All compartment and module access doorframes shall have full width formed stainless steel threshold plates to protect the lower edge of the frame.

WHEEL WELLS:

COMPLY ____ YES NO ____

Shall be 10-gauge aluminum. Tire clearance shall be 4" minimum loaded to allow the installation of tire snow chains.

BODY MOUNTING:

COMPLY ____ YES NO ____

The body assembly shall be fastened to the truck chassis by means of eight (8) special brackets. Designer mounting systems can be discussed further at the pre-construction conference meeting. Four (4) of the mounting brackets shall be spring loaded shock assemblies or equivalent. One set shall be attached to the forward portion of the left and right body longitudinal crew body frame and the truck frame. The upper bracket shall be welded to the crew body frame and each lower bracket shall be bolted to the truck frame with two 1/2" grade eight bolts, washers and self-locking nuts. The other spring mounting assembly is to be attached just forward of the wheel wells as per the prototype. The spring mounting assembly shall utilize a 5/8" grade eight bolt, washers and self-locking nuts, the threaded end of the bolt shall be cross drilled to accept a cotter pin. The fabricated spring assembly mounting brackets shall be manufactured from a minimum of .25" plate and have all seams or joints welded on both sides.

The four (4) additional mounting brackets manufactured from .25" plate (two on each side) shall be welded to the sills and bolted to the truck frame with two 1/2" grade eight bolts, washers and self-locking nuts on each bracket. One set shall be located just aft of the wheel wells and the other at the rear portion of the body assembly. Full length 3" x 1" x 80" shore rubber filler strip is required between the longitudinal sills and the top of the truck frame to maintain at least 22" of clearance between the ground and the lowest underbody compartment. The filler strips (bonded to the rubber) shall be welded to the body longitudinal tubing.

COMPARTMENTS AND STORAGE

COMPLY ____ YES NO ____

The compartment dimensions may vary to accommodate batteries, exhaust system, etc. The final dimensions and configuration will be as approved by the designated NDF Representative. The sheet metal for the compartment doors shall be 12-gauge aluminum. The doors shall be flush fitted with a reinforced cross section(s) and equipped with weather proof recessed automotive closed cell door seals fastened to the jamb. Door openings over 31" long shall have two doors with a center post. All compartment doors shall have bolt on heavy duty polished stainless steel continuous type hinges, (1/4" pins and 1" joint length).

All storage compartments with doors, both internal and external must have LED strip lighting.

All compartment door latches shall be polished stainless steel bolt-in rotary paddle handle recessed latches keyed to match the other body locks. The exterior compartments shall have polished stainless steel drip rails installed above the compartment door openings.

All compartment floors shall be sweep-out style unless specified, and be fitted with removable Turtle Tiles (black or grey in color) or equal material formed to cover the complete floor area. The

compartment mounting shall be bolted directly to the cross sills. Self-tapping bolts are not acceptable. All of these compartments shall be vented to the outside near the bottom of the compartment, except for the left forward compartment. The underbody compartment vents shall be stainless steel. The vent locations shall be approved by the designated NDF Representative.

UNDERBODY COMPARTMENTS:

COMPLY ____ YES NO ____

Two (2) sealed, lighted, vented, removable compartments shall be fabricated from 10-gauge aluminum and bolted to angles welded to the floor cross sills. The design is intended to make maximum use of available storage space below the body floor, ahead of the rear wheels on each side of the vehicle. The size of both storage boxes shall be roughly 17" high X 68" long X 30" deep, or as best determined by the manufacture to meet clearance requirements. The storage boxes shall have four (2) vertically hinged compartment doors 15" high X 31" wide X 7/8". These compartments will not be divided internally. Dual LED Strip lighting shall be provided.

The right forward side compartment shall be a vented enclosed compartment for storage of the crew's chainsaws, fuel, and fuel/oil mix. This compartment shall be located just ahead of the right rear wheel well. This compartment shall have a smooth perforated aluminum mesh grate that is slip-in, and easily removed for cleaning. The chainsaw equipment and fuel cans will be stored on this metal mesh, so it must be heavy duty to support the equipment and fuel stored in this compartment. Below the metal mesh, there shall also be a sloped containment basin for leaking or spilled fuel and oil from the storage cans and equipment. This basin shall lead to a short 1/4" valve for proper draining of spills in the compartment. The compartment door hinges shall be mounted on the leading edges of the compartment. This bin shall also have a permanent stamped exterior mounted name plate designating this storage bin for "**Motorized Equipment and Fuel Storage Only**".

Two (2) sealed, lighted, additional removable storage boxes shall be mounted behind the left and right rear wheel wells. The size of the rear storage boxes shall be roughly 17" high X 51" long X 30" deep, or as best determined by the manufacturer to meet angle of departure requirements. The size of the vertically hinged double doors shall be approximately 15" high X 23" wide X 7/8" for each individual door. These compartments will not be divided internally. Dual LED Strip lighting shall be provided.

EXTERIOR FORWARD COMPARTMENT:

COMPLY ____ YES NO ____

One (1) sealed, lighted, and enclosed compartment shall be approximately 18" high X 21" wide X 35" deep, accessible from the left and right exterior body, and shall be located under the forward five (5) person rear facing bench seat. An interior storage compartment accessible from inside the crew compartment will divide this front storage compartment with a 14" high X 23" wide compartment that has approximately a 12" high X 21" wide X 7/8" fitted door and latch.

The left forward side of this compartment shall be for storage of the vehicle operator's personal gear. It must be keyed differently than the other storage compartments, but must be keyed alike with the console, and the two (2) large interior storage compartments located at the rear of the vehicle.

The front storage compartment shall have vertically hinged 12-gauge aluminum flush-fitted exterior compartment doors on both the left and right sides of the body, and shall be equipped with recessed weatherproof automotive closed cell door seals and additional rubber seals on the door frame shall be provided.

The hinges shall be mounted on the leading edge of the compartments. The exterior compartment doors shall be approximately 16" high X 19" wide X 7/8 ".

EXTERIOR INTERMEDIATE COMPARTMENTS: **COMPLY ____ YES NO ____**

Four (4) sealed, lighted compartments shall be accessible from the left and right exterior body, and located under each of the forward facing 2-passenger seats. Two (2) of the compartments shall be located just directly in front and above the rear wheel well, and shall be approximately 18" high X 21" wide X 38" deep. The exterior compartment doors for these two compartments shall be approximately 16" high X 19" wide X 7/8". The right side or "street side" storage compartment will contain the crews' 30 gallon water storage tank.

Two (2) sealed, lighted additional compartments shall be located directly above the rear wheel well, and shall be approximately 10" high X 15" wide X 38" deep. The exterior compartment doors for these two compartments shall be approximately 8" high X 13" wide X 7/8". These doors will have no door control.

The unit shall have vertically hinged 12-gauge aluminum flush fitted exterior compartment doors on both the left and right sides of the body, and shall be equipped with recessed weatherproof automotive closed cell door seals and additional rubber seals on the door frame shall be provided. The hinges shall be mounted on the leading edge of the compartments.

EXTERIOR REAR FACING COMPARTMENTS: **COMPLY ____ YES NO ____**

The two (2) sealed, lighted, rear facing vertical tool storage compartments shall have hinged exterior doors opening to the rear and be designed to have sweep-out floors. The full length hinges shall be mounted on the left and right sides of the body. The approximate size of these compartments shall be full height floor to ceiling 72" X 32" wide X 23" deep. The compartment doors shall be approximately 67" high X 28" wide X 7/8".

The unit shall have vertically hinged 12-gauge aluminum flush fitted exterior compartment doors on both sides of the rear of the body, and shall be equipped with recessed weatherproof automotive closed cell door seals and additional rubber seals on the door frame shall be provided.

The rear facing compartments shall have three vertical unistrut sections added to interior wall for mounting of tool racks. A 2" tall X 1/2" compartment width stainless steel scuff plate shall be provided below each rear tool storage compartments to protect the body from damage. The top edge of the scuff plates shall be 90 degrees to cover the door threshold. **NOTE:** All compartments mentioned in this section shall have sweep-out compartment floors.

INTERIOR OVERHEAD STORAGE RACKS: **COMPLY ____ YES NO ____**

Six (6) full-body length left and right overhead storage racks shall be installed in the crew compartment above the crew seats. The storage racks shall be fastened to the vertical body frame posts and to the roof frame members; three evenly spaced vertical supports shall be fastened from the lower frame to the ceiling on the isle side of the racks. The storage racks shall be divided into three equally spaced sections on each side, and be 15" in depth with a clear opening of approximately 12" high X 28" wide. The lower support rail and vertical supports shall incorporate rolled edges on all rack openings.

The racks shall have curtain type enclosures. The curtains shall be reinforced with 3/16" aluminum lateral strips and designed with a positive latch to hold them in the open position and be secured in the closed position with a strap and thumb latch hardware system.

NOTE: The overhead storage racks shall be designed and mounted in such a fashion as to allow at least 42" of head room from the top of the seat cushion to the underside of the rack. **The top and bottom of the storage rack compartments shall not have any concealed ledges, for security purposes.**

NOTE: These storage compartments shall be discussed during the pre-construction conference.

INTERIOR REAR STORAGE:

COMPLY ____ YES NO ____

The two (2) sealed, lighted, rear interior vertical storage compartments shall have hinged exterior doors opening from the center-out, and be designed to have sweep out floors. The full length hinges shall be mounted on the left and right sides of the body. A center support rail will allow the two doors on each side to latch from the center into the body, and will not internally divide each of these compartments so large bulky items can be stored on the shelves. The approximate size of these compartments shall be full height floor to ceiling 71" high X 34" wide X 32" deep. The two (2) 12-gauge aluminum full-formed and recessed compartment doors on each side shall be approximately 71" high X 34" wide X 7/8" and shall be equipped with recessed weatherproof automotive closed cell door seals and additional rubber seals on the door frame shall be provided.

Specify Compartment Dimensions _____

The compartments shall each have three fully adjustable shelves fabricated from 5052-H32 aluminum sheeting. All compartment floors and shelves shall have black or grey Turtle Tiles or equal flooring. A magnetic door check will be installed for each door to hold the doors in the "open" position when the vehicle is on a slight incline. LED Strip lighting shall be provided and will be switched on when either door is opened on both sides. As previously stated, these two compartments should be keyed differently for security purposes from the other compartment door locks.

NOTE: ALL of the compartment doors that will have the potential to strike other painted surfaces shall have rubber bumpers installed in the contact areas.

POTABLE DRINKING WATER TANK:

COMPLY ____ YES NO ____

A 30 gallon drinking water container shall be fabricated and installed into the right "street side" exterior intermediate compartment, that is located under the forward facing 2-passenger seat. A 6" X 6" sealed opening suitable for cleaning out the container is to be installed. Provisions for filling and venting the container shall be thru a lockable compartment door. The tank shall slide out of its storage area for filling and cleaning. The use of any fill or discharge hose shall be compatible for drinking water. (Automotive heater hose is not acceptable). A 3/4" household style hose bib shall be remotely installed at the lower edge of the compartment for water discharge.

MISCELLANEOUS COMPONENTS:

DRIVER'S CONSOLE:

COMPLY ____ YES NO ____

A storage console shall be installed between the two front seats in the cab of the vehicle, and made of formed aluminum and finished with black powder coating. The customer-supplied Bendix King 2-way communications radio will be located in this console. Provisions shall be made to install the radio, which includes the antenna coax and the proper fused power and ground wires. The console shall also have backlit switches with engraved labels with a layout to properly identify component and accessory function, and will also be outfitted with a map holder with three (3) dividers that are fabricated out of mill-finished aluminum. The map holder portion of the console shall be covered with a lockable, black powder coated cover. Console shall be bolted to chassis floor with .25" bolts and nylok nuts. An LED map light shall be installed in the upper right corner. A (3) outlet/accessory plug shall be installed on the right front side of the console.

TOOL RACKS:

COMPLY ____ YES NO ____

Rear-facing exterior compartments must be outfitted with an adjustable tool rack assembly for each side of the vehicle. Tool racks shall be able to fit (2) rows of shovels, rakes, picks, and axes that will be stored vertically in the compartment. Specific measurements and design can be discussed during the pre-construction conference.

LICENSE PLATE BRACKET:

COMPLY ____ YES NO ____

The rear license plate bracket at the rear of the vehicle must be recessed in the kick panel on the right side of the vehicle.

SPARE TIRE CARRIER:

COMPLY ____ YES NO ____

A ratchet type cable lift spare tire carrier shall be provided and installed under the chassis frame aft of the rear axle. The use of the vehicle's lug wrench shall be the mechanism to raise and lower the spare tire. The spare tire shall be secured to the carrier assembly in the raised position with four (4) "right hand thread" wheel studs and supplied lug nuts of the same OEM type and style that match the vehicle. Access to the ratchet assembly will be thru the rear ladder access door. Lighted access shall be provided.

PULL-OUT REAR CREW STEP LADDER:

COMPLY ____ YES NO ____

The ladder shall be fabricated from 7" high X 2.75" wide X .170 structural aluminum side channels with expanded aluminum step treads (McNichols 9.5 X 1.5 grip strut). One hand rail will be mounted diagonally on the inside of the rear entrance door. The pull-out rear ladder shall be housed between the rear frame rails in the stored position with access thru a lockable recessed polished stainless steel handle latch. The single, left-hand side mounted full-formed and recessed compartment door shall be made from 12-gauge aluminum, flush fitted, vertically hinged, and approximately sized 10" high X 26" wide. This door shall also be covered by Treadbright aluminum to match the lower section of the rear of the vehicle.

The ladder storage compartment shall include nylon guides for the ladder to slide on as it is lowered into position and be designed with a spring-loaded latch so as not to slide-out during transit if the compartment door is left open. A switch shall be installed to alert the driver with a warning light and buzzer when the vehicle is put into gear when the rear step ladder is extended out of the rear of the

vehicle. The switch shall also illuminate an LED compartment light to make access to the ladder and tire hoist visible at night. Stainless steel hinge fittings shall have a sandwich backup where they are bolted to the aluminum side rails. Rubber bumpers or pads shall be installed at points of contact with the body or rear bumper when the step is in lowered into position. The lowest rung of the ladder shall have a chrome grab handle (Eberhard # 4300CH) or equal, installed to aid in raising or lowering the ladder. Note: this grab handle shall be installed so as not to create a tripping hazard.

The ladder rails shall be approximately 16" I.D. X 20.25" 0.0. The ladder shall have four (4) steps and a tread width of 16" X 10.50" deep X 8" rise. All steps shall be parallel to the main body when the ladder is in the extended position. The ladder rail shall be partially notched to fit the rear bumper when extended, but must be properly plated and strengthened in this area to avoid flex and material defects.

REAR BUMPER: COMPLY ____ YES NO ____

The rear bumper shall be framed with 10-gauge steel and powder coated to match the vehicle. This structural framing will enclose an extruded expanded mesh material; full body width in a 10" deep stand-off type design. A .50" gap between bumper and body is required. The outermost 4.75" of each end shall be angled to prevent dragging of corners in high angle of approach/departure areas. The bumper shall be hinged. A 2" square socket shall be installed on the curbside and drilled with a center hole to match a standard receiver hitch. A hinged swing-up type rear bumper step must be located to both the right and left side of the crew compartment access door. It will be aligned flat with the rest of the anti-skid mesh located on the top of the bumper when these steps are folded into storage. These steps will allow for safer access to the rear bumper and crew compartment area when a trailer is attached to the vehicle and the rear ladder step cannot be lowered into place. The center area of the rear bumper shall be slightly recessed and canted inward to better allow the rear step ladder to fully extend out of the rear of the vehicle and down to near ground level for personnel entry and departure.

TRAILER TOWING RECEIVER HITCH: COMPLY ____ YES NO ____

A 2" receiver hitch for towing trailers shall be designed and fabricated below the bumper assembly to accommodate a **RATED** 10,000-pound removable 2" towing ball mounts. Receiver assemblies will incorporate safety chain eyes into the structure / bracing that extend to the frame of the vehicle. A 7-pin electrical trailer towing socket shall be located to the left of the tow package beneath the rear bumper.

RUB RAILS: COMPLY ____ YES NO ____

Module rub rails shall be unpainted, bright finished extruded aluminum of a double channel design and 0.125" wall thickness for maximum strength. Rub rails shall be 3" high and run along the lower edge of body at the floor line, interrupted only by the wheel well opening.

DRIP RAILS: COMPLY ____ YES NO ____

Shall be extruded, stainless steel running over each side window and exterior compartment. Drip rails shall be installed with stainless steel screws and be detachable for easy replacement. All drip rails shall be finished with 45 degree angled ends to avoid hooking foreign debris which brush against the vehicle causing damage. No full-length body drip rail will be accepted.

ROCK GUARDS: COMPLY ____ YES NO ____

Bright aluminum diamond plate shall cover the front of the bolt-on storage compartments on the front right and left side, and smooth aluminum scuff plate shall cover both front corners of the crew

compartment from the floor line to the beginning of the canted inward roof line to protect these areas from damage. These protective covers shall be installed with stainless steel screws and be detachable for easy replacement if necessary.

REAR STEP GUARD: COMPLY ____ YES NO ____
Shall extend from the top of the rear step to the bottom of the rear doors, full width formed on each side. Guard shall be constructed of aluminum diamond plate and be replaceable in case of damage. The outboard corners shall have skid plates attached to prevent damage to the step guard during drag.

GRAB BARS: COMPLY ____ YES NO ____
Two (2) grab bars shall be mounted on the rear of the module on both sides of the rear door for use as handholds.

Four (4) additional 18” grab bars shall be mounted on the inside of the module, two (2) on both sides, under each module window for use as handholds.

AIR COUPLING: COMPLY ____ YES NO ____
Two (2) automotive style standard air chucks with dust covers shall be provided on the module. One (1) to be located on the module front street side and one (1) to be located in curbside rear compartment. A protective cover shall be installed to protect the air chuck in the rear compartment from falling tools. A valve shall be installed at the air tank to shut-off air supplied to the couplers if necessary; at or below 60 psi.

REAR VEHICLE RECOVERY / TOW EYE: COMPLY ____ YES NO ____
Two rear tow eyes made of .75" X 6" plate with a 3" eye shall be securely attached to the left and right frame rails at the rear of the chassis frame. Access shall be made available from behind the crew body surface if necessary. Stainless steel scuff plates shall be added to the painted surface around the two eyes for protection to the paint and body from vehicle recovery operations.

FRONT VEHICLE RECOVERY / TOW EYE: COMPLY ____ YES NO ____
The OEM through the bumper tow hooks shall be retained.

AIR HORN: COMPLY ____ YES NO ____
The OEM mounted air horn shall be relocated to the front bumper area (if not already located there) and controlled by a steering wheel or foot switch mounted on the cab floor as directed by the designated NDF Representative. The horn supply line shall be loomed and properly clamped the entire length. If no OEM air horn is supplied with the chassis, a Grover model #1710 stutter tone horn shall be provided.

Specify Mfr. & No. _____

AIR INTAKE SCREEN: COMPLY ____ YES NO ____
A screen (stainless steel) shall be installed on the vehicle’s fresh air intake system and outside cab vent. The air intake and cab vent shall be protected as to prevent water and particles greater than .039 inches in diameter from entering the air intake system. Particular attention is required on screening of the remote through the hood style air intake systems. **NO EXCEPTIONS TO THIS REQUIREMENT WILL BE ACCEPTED.**

DRIVELINE SAFETY HOOPS:

COMPLY ____ YES NO ____

Bolt on driveline safety hoops shall be provided on the forward portion of all multi-piece drivelines. The hoops shall be fabricated from .125" X 1.50" flat aluminum stock secured to the lower body sills with grade 8 bolts and locking washers or nuts.

FENDER RINGS:

COMPLY ____ YES NO ____

Shall be part of the crew body, and follow the upper contour of the wheel well opening. They shall be rubberized, protruding from the side of the body to protect it from rocks and road grime. Fender rings shall be discussed during the pre-construction conference for an alternative style of fender ring if necessary.

SPLASH GUARDS:

COMPLY ____ YES NO ____

Two (2) splash guards shall be mounted behind the front wheels and two (2) splash guards shall be installed at the rear of body in conformance with Title-49 FMCSS standards. The splash guards shall be plain black with end weights and be mounted at a distance to the back of the wheels to preclude flaps from being carried into the tires when backing into brush, etc.

SPECIAL GUARD:

COMPLY ____ YES NO ____

The OEM windshield washer bottle on the International 4400 is located in the left front wheel well housing, and is susceptible to being damaged from flying rocks and debris from the rotation of the front tire. This washer bottle shall be protected with a metal plate, and shall have a narrow vertical cut-out where the plate directly covers the washer bottle so the fluid level can be easily viewed by the vehicle operator during inspection.

CHOCK BLOCKS:

COMPLY ____ YES NO ____

Two rubber style chock blocks with retrieval rope and related mounting bracket shall be provided. Mounting bracket shall be installed in a compartment on the driver's side of the vehicle near the rear wheels for deployment.

SAFETY EQUIPMENT:

COMPLY ____ YES NO ____

One (1) 10 lb. ABC portable fire extinguisher with permanent mounting bracket must be installed near the driver's seat. One (1) three piece bi-directional emergency reflective triangle set must be installed in cab.

ADDITIONAL EQUIPMENT:

COMPLY ____ YES NO ____

One (1) 33MM wheel lug wrench and related handle; one (1) 20-ton bottle jack and related handle; one (1) receiver hitch with a 2" ball; and one (1) heavy-duty set of jumper cables shall be provided.

CREW BODY INTERIOR

COMPLY ____ YES NO ____

CREW COMPARTMENT AIR CONDITIONING AND HEATER (HVAC):

The rear crew compartment shall be equipped with a self-contained free-blowing air conditioner (Trans Air) or equal. The system design shall operate independently of the chassis OEM A/C, with a minimum cooling rating of 52,000 BTU/H and heating 60,000 BTU/H, engineered for continuous heavy-duty service. The condenser shall be mounted on the upper forward portion of the main body and shall include three (3) fans. All exterior installed components, i.e. condenser, hoses and etc. shall be installed to allow for maximum deflection between the chassis cab and the crew compartment. The unit shall also

be rated for maximum heating utilizing the cab / chassis cooling system fluid through a stand-alone integral heater core. A 12VDC water pump shall be installed to increase the heating capacity and efficiency of the system. The A/C and heater plumbing, drain hoses and wiring shall be installed on the exterior wall between the rear of the cab and main body and be protected by a full-length channel section, and any hoses that pass through bulkheads shall be properly loomed and grommets. This channel section must be located so it can be easily removed to gain access to the hoses and electrical wiring. **Power harnesses for the HVAC system shall be isolated from antenna cables to prevent interference.** The interior components are not to obstruct with any emergency exits or walkways. The master on/off switch and temperature controls shall be located in the vehicle's cab located within easy reach of the operator, and all controls shall be properly labeled. There shall be a perforated panel for access to electrical system and filters mounted beyond the cover, and shall be secured with security screws. All A/C hoses shall have factory "crimp on" style hose ends. Any slip-on or barbed A/C connection fittings will be rejected.

EXHAUST VENT:

COMPLY ____ YES NO ____

Two (2) electric motor powered exhaust vents shall be located in the street side and curbside forward corners of the module. Each fan shall have a baffle installed to prevent entry of insects and debris. The switch for the vents shall be mounted on the forward wall of the module and clearly marked. Switch will provide high/low power to the fans. **Power harness for fans shall be isolated from antenna cables to prevent interference.**

CREW COMPARTMENT SEATING:

COMPLY ____ YES NO ____

Passenger bench-style seating shall be provided and installed. The seat backs and cushions shall be sloped according to the American seating standards for adults. All material and installation shall meet flammability standards (NHTSA Title 49, Standard 302). The seat cushions and back rests shall be filled with flame resistant ("Cal 117") flexible polyurethane foam, ASTM3574, density 2.3 -3.0; ILD (25 percent), 55-60 rating. (Ref: Upjohn CPR Division 2.BXF Cal 117, Keystone Bros., San Francisco, CA). The cushion covering material shall be 36 ounce per 54" linear yard, twill or polyester backed, crushed grain finish, marine-grade vinyl. (Ref: Product: Uniroyal Naugahyde, 32 oz .20661). The color shall be grey.

The seat frames shall be 1" tubular steel with 3/4" plywood or equivalent bases. The open ends of the tubular seat frames shall be plug welded for security purposes. The seat back rest cushions will be 3" thick + the 3/4" base. The seat cushions will be contoured from 5" thick to 4" thickness +3/4" base. All seat cushions and backs are to be vented. Embossed stainless steel sheeting shall be installed on the seat backs of all forward facing seats. The rear facing five (5) passenger bench seat will be mounted on top of the through storage compartment with the backrest fastened to the front wall. The backrest may require a cutout to provide a clear opening to the sliding window.

Four (4) / two passenger forward facing seats shall be installed; seat width shall be 37". The seat frame shall be fastened to a under seat personal storage box enclosure with 5/16" grade 8 bolts. Adjustable lap-belt Seatbelts shall be provided for each passenger and must meet the FMCSA and NHTSA Standards for seatbelt installation.

LIGHTING AND ELECTRICAL SYSTEM

GENERAL BODY FABRICATION ELECTRICAL WIRING: COMPLY ___YES NO___

All wiring is to be "Cross Link Polyethylene" heat resistant type that meets SAE J1128 type SXL wiring guidelines. The wiring shall be loomed, grommeted, and routed the maximum distance away from possible high heat sources, and properly clamped to the body or frame members to preclude chaffing on other components. Only insulated metal loops for electrical wiring mounting are acceptable for the fire service. Where holes are cut into the body structure for wiring, they will have the hole circumference filed smooth and grommeted. The wiring as per the vendor supplied wiring schematic shall be function coded at both the device that the wire is attached to, in addition to the wire connected to the device that controls the circuitry of the wire. The lighting, and warning buzzer is to be a minimum of 14-gauge. The HVAC circuits are to be a minimum of 10-gauge. The 12-Volt wiring from the truck to the junction box is to be a minimum 4-gauge protected with a 150-amp resettable circuit breaker. A Cole-Hersey #24059 relay shall be used to activate the main power circuit; it shall be activated from the accessory terminal on the ignition switch to minimize battery drain from unimportant accessories left on while the vehicle's engine is not running. This does not include the 2-way communications radio. Battery cables shall be AWG size 2-0 with crimped terminals with the respective colored heat shrink tubing protecting the terminals from arching and corrosion. An as-built wiring schematic must accompany each unit upon delivery. **NO EXCEPTIONS TO THIS REQUIREMENT WILL BE ACCEPTED.**

All uninsulated terminals AWG size 0-4/0 (starter and battery) shall be square crimped with a Roto crimp tool (AMP Special Industries # 600850-1). The crimp area and wire will be sealed with heat shrink tubing to protect it from moisture and strain relief. Soldered terminals and connectors are not acceptable.

All wiring circuits will terminate in a weatherproof junction box (Sig-Stat # 3120) or equal, and shall be located under left front corner of body to allow main body removal from the chassis. The electrical system protection shall incorporate the use of self-resetting circuit breakers in lieu of fuses.

NOTE: If any toggle switches are used for the build-up, they shall have screw terminals. Spade-type terminals are unacceptable. All cab switches shall be self-illuminating, and are to be labeled to their function with engraved 1.0. plates, and fastened with machine screws and self-locking nuts or rivets. Adhesive backed 1.0. plates are not acceptable.

All lights shall be provided and installed with backing plates where necessary, and shall also be wired, protected, flashed, and switched as per the job description. The turn signal and hazard switch assembly supplied with the truck chassis may require that the flasher be upgraded by the contractor to meet electrical load requirements. All emergency lights and design will be NFPA approved. All marker lights, clearance lights, turn signal lights, headlights, stop lights, etc. must meet FMCSA standards.

MASTER BATTERY DISCONNECT SWITCH: COMPLY ___YES NO___

A Cole Hersey # 75903 battery disconnect switch with a # 82065 face plate (or equal) shall be provided and mounted on the cab floor next to the driver's seat. A **green** LED battery switch-on indicator light shall be dash mounted near the key switch to alert the driver that the switch is either in the on/off position. This switch will disconnect all battery power to the vehicle, except to the vehicles ECM for both the engine and transmission.

OVERHEAD DOME LIGHTING:

COMPLY ____ YES NO ____

Seven (7) dome lights, Truck-Lite LED 44339C, 12-Volt, shall be installed w/rivets into the crew compartment ceiling. Two on each side spaced evenly from the front of the unit to the back, above the forward facing crew seats and one centered in the rear crew entrance storage compartment area. All crew compartment dome lights shall be master switched in the truck cab, and at the left front wall of the crew compartment. The master switch shall be wired so that it will power the lights at all times when it is in the on position except when the master disconnect switch is off. The crew compartment ceiling lights must illuminate when the rear crew door is opened.

NOTE: The rear door frame switch (Cole Hersey #5582 ore equal) shall be mounted and protected so as to be tamper proof.

CREW COMPARTMENT WARNING DEVICES:

COMPLY ____ YES NO ____

One (1) 12-Volt buzzer (Cole-Hersey # 4099) or equal, shall be located in the truck cab and controlled by a push button switch (Pollack # 52-600) or equal, located on the forward interior wall of the crew compartment near the center sliding glass window, and be labeled "Emergency Buzzer". This switch and buzzer shall work independently of the door open buzzer, and shall illuminate the "Red" warning lamp on the dash. This warning device shall be wired to operate at all times except for when the master disconnect switch is in the off position.

STORAGE COMPARTMENT LIGHTING:

COMPLY ____ YES NO ____

All underbody and truck body compartments shall be illuminated by strip lighting activated by a master switch in the truck cab, in addition to being activated when each individual compartment door is opened. The rear tool storage and interior storage compartments lights shall also be Truck-Lite (or equal) LED strip lighting. Any wiring loom and switches inside any compartment shall be protected using a removable metal guard, in order to avoid damage from contents shifting during transit.

WORK AREA LIGHTING:

COMPLY ____ YES NO ____

Six (6) flush mounted area lights (Federal Signal GHSCENE only) shall be installed on the buildup. One (1) centered above each rear vertical tool storage compartment door and two (2) each on the right and left sides of the main body. The side lights shall be installed on the upper forward and rear sides of the main body. The lights shall be switched through the siren control. One switch will operate the lights on each side and one for both the rear lights.

GROUND LIGHTING:

COMPLY ____ YES NO ____

Three (3) LED Truck-Lite ground lights shall be installed: one (1) under each cab door, located under the top step and one (1) at the rear of the module. Both cab lights will come on when either cab door is opened. Rear passage ground light shall illuminate only when the rear crew compartment door is opened.

UNDERHOOD LIGHTING:

COMPLY ____ YES NO ____

Three (3) LED lights shall be installed under the hood in the engine compartment. The switch shall be installed at eye level under the hood to operate lights.

TAIL, STOP AND TURN SIGNAL LIGHTING: **COMPLY ____ YES NO ____**

On the rear of the vehicle, each side shall have one (1) stop / tail light, Signal-Stat LED #4050 rubber mounted, and one (1) amber turn signal light, Signal-Stat LED 4050A rubber mounted, or similar. Rubber grommet: Signal-Stat #40700

SIDE TURN SIGNAL LIGHTING: **COMPLY ____ YES NO ____**

On the rear of the vehicle on each side, a LED turn signal indicator light will be fastened to build-up with an aluminum bezel for lense protection. These lights will be rubber mounted using a Signal-Stat #60315Y lamp and #60700 grommet or similar.

CLEARANCE MARKER LIGHTING: **COMPLY ____ YES NO ____**

The clearance and side marker lights shall be 2" Signal-Stat LED red #3050 rubber mounted, and Signal-Stat LED amber #3050A rubber mounted. Rubber Grommet: Signal-Stat #30401. All lights must be wired into the existing tail light circuit and mounted as follows:

- 2 each -amber, top front corner of body.
- 2 each -amber, top front side corner of body.
- 2 each -red, top rear corner of body.
- 2 each -red, top rear side corner of body.
- 3 each -red, three light cluster mounted upper center of body above the rear crew door.

LICENSE PLATE LIGHT: **COMPLY ____ YES NO ____**

A license plate light shall be mounted directly above the license plate mounting area on the rear of the vehicle on the right side. A Signal-Stat 26 series #26336 license plate light or similar shall be used, with a LED bulb installed.

BACK-UP LIGHTING: **COMPLY ____ YES NO ____**

Two (2) 4" Rubber mounted Signal-Stat LED 4060C, or similar. Rubber grommet: Signal-Stat #40700. Back-up lights shall be mounted on both sides of the rear of the vehicle with the tail and turn signal lights, and shall be wired into the existing back-up lighting circuit.

CREW BODY REFLECTORS: **COMPLY ____ YES NO ____**

Reflectors shall be Signal-Stat #57 or similar, center hole mount, 3" diameter and mounted as follows:

- 2 each -red, rear lower corners of body.
- 2 each -red, rear side lower corners of body.
- 2 each -amber, front side lower corners of body.

FRONT CAB MAP LIGHT: **COMPLY ____ YES NO ____**

An 18" rheostat controlled map light shall be provided and mounted on the console. (Federal Signal Littlite model # LF18ES-LED) or equal.

COMMUNICATIONS RADIO SYSTEM: **COMPLY ____ YES NO ____**

The contractor will supply a radio antenna that shall be installed on the crew body roof. 25' of coax cable supplied by the contractor will connect the antenna to the NDF communications radio. The cable will run through metal conduit routed through the right forward compartment to the cab console for ease of replacement if necessary. An access plate for antenna service shall be provided and protected with security screws inside the crew compartment ceiling.

BACK-UP WARNING DEVICE:

COMPLY ____ YES NO ____

A 110 dba electronic back-up alarm shall be installed in an appropriate location at the rear of vehicle, and wired into the back-up lighting circuit.

Specify dba, Mfr. & No. _____

BACK-UP CAMERA:

COMPLY ____ YES NO ____

Vehicle will be outfitted with an automatically activated rear-view camera. The system shall be mid-grade overall in quality. The camera lens shall be installed in an appropriate location at the rear of vehicle and wired into the back-up lighting circuit to activate the system automatically. The monitor shall be mounted in a custom bracket inside the cab, below the overhead console that contains the sun visors, towards the windshield, centered in that immediate area. The custom monitor bracket shall provide a clean look, and will cover the cables or wires related to the back-up camera system.

Specify Mfr. & No. _____

GROUND STRAP:

COMPLY ____ YES NO ____

An electrical ground strap shall be installed from the crew body assembly to the truck frame. The ground shall be a cable equal to OEM ground cables or straps.

CREW COMPARTMENT SPEAKERS:

COMPLY ____ YES NO ____

Two (2) speakers shall be installed in the module and connected for use with the cab radio. A "Radio Speaker" switch shall be located on the driver's console. Speaker covers shall be protected with security screws.

ON-BOARD BATTERY MAINTAINER:

COMPLY ____ YES NO ____

A Kussmaul-type on-board battery maintainer will be installed directly behind the driver's seat and mounted to a heavy-duty bracket on the cab wall, in an area where it will be free from the elements and protected from damage. The seat and seat belts will not interfere with the mounting bracket for the charging device. The on-board battery maintainer will maintain the vehicle's batteries when it is plugged-into shore power with the block heater connection.

EMERGENCY LIGHTING

EMERGENCY UPPER FRONT ZONE LIGHTING:

COMPLY ____ YES NO ____

A Federal Signal LED Legend 61" light bar shall be mounted on the roof of the cab as per the manufacturer's recommendation with inside cab support structure (10 gauge steel) added for roof strength. The light bar's clear LED lighting shall be automatically disabled when the parking brake is applied. Additionally, the light bar will be outfitted with clear dome tops and will be outfitted with alley and takedown lights, and will have (1) steady red light when illuminated. **NOTE:** The light bar shall have no rear facing LED lighting.

EMERGENCY LOWER FRONT ZONE LIGHTING: **COMPLY ____YES NO ____**

Two (2) red Federal Signal Viper EXT LED lights shall be installed below the grill, and shall not restrict air flow to the vehicle's radiator. Two (2) red Federal Signal Viper EXT LED lights shall be installed on the right and left side of the vehicle's hood towards the front corners of the vehicle.

EMERGENCY REAR WARNING LIGHTING: **COMPLY ____YES NO ____**

Two (2) red Whelen oscillating rotabeam super LED Series warning light assemblies are to be mounted in the upper most body corners. Whelen Model #6RBR.

Two (2) additional amber Federal Signal Viper EXT LED lights shall be diagonally mounted on the rear of the vehicle on both the far right and left side, evenly spaced in the middle from the top and bottom of the vehicle.

Two (2) red Federal Signal Viper EXT warning lights with chrome bezels, one on each side, shall be mounted in line with the rub rail, just forward of rear wheel wells with aluminum brackets to protect the lense from damage.

One (1) Federal Signal Model #SMLED 8-50 amber directional traffic advisor shall be provided and mounted on the rear, directly above the rear crew compartment access door. Controller for traffic advisor shall be installed in driver's console and wired to Pos. #1 on the slide switch.

HEADLIGHT FLASHER: **COMPLY ____YES NO ____**

A headlight flasher (wig-wag), 90 FPM with high beam override shall be provided. It is to only be activated when the siren control slide switch is in the # 3 position and it shall be automatically disabled by applying the parking brake. The flasher shall also incorporate a separate cut off switch that is wired into the siren control, should the feature need to be interrupted. (Whelen Model # UHF 2150A) or equal.

EMERGENCY LIGHTING WARRANTY: **COMPLY ____YES NO ____**

A three (3) year manufacturer's warranty on the light bar shall be provided. Individual warning lights shall be covered by the manufacturer for at least one (1) year.

AUDIBLE WARNING CONTROLS: **COMPLY ____YES NO ____**

A Federal Signal Touch Master Delta Model #UTMD-AL with quick disconnect plug #UOP22D electronic siren control shall be provided. It shall have a noise canceling microphone, and shall be mounted in a manufactured console on the floor of the vehicle's cab. A 100 watt siren loudspeaker (Federal Signal Dynamax or ES100) shall be supplied and mounted in the vehicle's front bumper. All emergency lighting shall be controlled through the siren controller, and the left, right and rear area work lights shall also be operated through the controller.

The siren control slide switch positions shall activate the following emergency lighting:

- Position # 1 - Rear LED amber warning lights, including traffic advisor.
- Position # 2 - Add light bar LED lighting, (including (1) steady red), front grill LED lighting, rear LED warning lighting, and side LED warning lighting.
- Position # 3 -Add light bar clear flashing LED lighting, headlight flasher and siren.

NOTE: The emergency lighting shall be wired through a self re-settable circuit breaker rated adequately above the required amperage draw for the circuit. Emergency lighting will have black bezels for surface mounting.

FINISHING AND LABELING

GENERAL PROVISIONS:

COMPLY ____ YES NO ____

The completed vehicle will be subject to severe wildland fire suppression use and accompanying body abrasion. However, as a new vehicle, a high quality commercial finish is required to provide the best possible foundation for finish maintenance and operator pride. All visible exterior surface areas shall be free of grinding marks, dents, peen marks, paint sag, orange peel and/or unsightly workmanship when the finished vehicle is presented for NDF's acceptance. Painting is to be applied according to the paint manufacturer's directions on properly prepared and primed surfaces.

When completed, all exterior painted surfaces of the entire main body shall be finished to be an exact color match of the OEM's commercially finished cab exterior. When completed, all exterior painted surfaces of the entire crew box shall be the single color specified gloss white. An exterior paint touch-up kit shall be included.

MATERIALS:

COMPLY ____ YES NO ____

The highest quality, state of the art, low V.O.C. polyurethane finishing system shall be utilized. (Dupont, PPG, Sherwin Williams, or equal). The finish coat will be applied in multiple coats to ensure proper paint coverage with a high gloss finish. Priming will be a single stage process. There will be multiple coats of catalyzed two-component polyurethane primer-surfacer applied for leveling of small imperfections and topcoat sealing. Application shall be in strict accordance with the paint manufacturer's instructions, including the number of coats and dry mil thickness.

Specify Finish Coat Mfr. & No. _____

PREFINISH PAINTING:

COMPLY ____ YES NO ____

The chassis area and component parts that will be inaccessible for "finish" painting when the completed unit is to be painted shall be cleaned, primed and painted the specified gloss white color before final assembly.

STORAGE COMPARTMENT INTERIOR FINISH:

COMPLY ____ YES NO ____

The interior of all storage compartments including the interior crew compartments shall be unpainted/mill-finish.

NOTE: All stainless steel hinges, door handles and compartment latches are **not** to be painted.

CREW COMPARTMENT INTERIOR FINISH:

COMPLY ____ YES NO ____

The complete interior of the crew compartment and overhead storage compartments shall be Scorpion brand textured gray polyurethane.

Specify Interior Finish Mfr. & No. _____ Color _____

CREW BODY UNDERCOATING:

COMPLY ____ YES NO ____

The underside of the body is to be cleaned and painted with a semi-gloss black undercoating. This includes the wheel housings, which are to be sprayed with a black "Rhino" lining material that must also be used to completely cover and seal the underbody.

PAINT FINISH WARRANTY:

COMPLY ____ YES NO ____

The finish paint on the unit will be provided with a five (5) year paint finish guarantee for the following items: Peeling or delaminating of the topcoat or other layers of paint, cracking or checking, and the loss of gloss finish caused by defective materials or improper application. A copy of this warranty shall be submitted with the bid proposal.

EXTERIOR LETTERING / STRIPING:

COMPLY ____ YES NO ____

Under the direction of the designated NDF representative, the contractor shall supply and install after final painting the full length of the chassis/body the 6" green reflective stripe and NDF exterior decal set and door shields on each unit manufactured. The striping package must conform to the NDF Fleet Standardization Plan and NFPA 1901 standards. Decals shall only be applied to the body after the chassis has been appropriately mounted to the body. The contractor shall also supply and install a 3" X 5" DIESEL FUEL adhesive backed decal on the vehicle fuel tank(s). This decal shall be weather and fuel proof.

CREW COMPARTMENT INSTRUCTION LABELS:

COMPLY ____ YES NO ____

The contractor shall install and supply the following labels as required by State and Federal regulations. The labels shall be engraved plastic, red with white letters, black with white letters or white with red letters and fastened with rivets. Adhesive backed labels will be rejected. Mounting locations shall be discussed at the pre-construction conference.

- 2 each -USE OF SEAT BELTS ARE MANADATORY AT ALL TIMES
Engraved plastic – Red with White Letters – 2"x6"
- 2 each -NO SMOKING - Engraved plastic – Red with White Letters – 2"x6"
- 1 each -EXIT - Engraved plastic – Red with White Letters - 1"x3"
- 8 each -EMERGENCY EXIT PULL OUT THE RED HANDLES AND PUSH WINDOWS OUT Engraved plastic – Red with White Letters – 2"x6"
- 4 each -EMERGENCY EXIT - Engraved plastic – Red with White Letters – 2"x6"
Location: Four (4) on escape hatch on ceiling, one (1) visible from each side.
- 1 each -VENT - Engraved plastic – Black with White Letters - 1"x3"
- 1 each -CAB BUZZER - Engraved plastic – White with Red Letters – 1"x3"
- 2 each -KEEP ISLE CLEAR - Engraved plastic - Red with White Letters – 2"x8"

<u>Item No.</u>	<u>Qty</u>	<u>Description</u>	<u>Unit Price</u>	<u>Extended Price</u>	<u>MSRP Price</u>
3.1	1 ea.	CREW CARRIER BODY: To be installed on one (1) 2015 International 4400 (MH035) 4x2 cab and chassis in accordance with specifications provided.	per each		per each

Specify Mfr. & No. _____

Specify Warranty _____

4. PAYMENT

4.1 Prices offered in bids are an irrevocable offer for the term of the contract and any contract extensions unless otherwise specified in the Additional Requirements of this ITB.

4.2 The State generally pays within 30 days upon receipt of invoice and the using agency's approval. Per the State's policy and procedures, payments are not made prior to receipt of goods.

Vendor's Payment Terms _____

4.3 Prompt payment discount periods equal to (or greater than) 30 calendar days will receive consideration and bid pricing will be reduced (for evaluation purposes only) by the amount of that discount(s).

Vendor's Prompt Payment Discount Offered _____

4.4 Vendor's prices contained in this bid are subject to acceptance within _____ calendar days.

4.5 The price quoted is for the specified delivery, and, unless otherwise specified in the Contract, is FOB destination (freight included) to the delivery address. Unless otherwise specified in the Contract, the price does not include applicable federal or State sales, use, excise, processing or any similar taxes, or duty charges, which shall be paid by the State, or in lieu thereof, the State shall provide the Vendor with a tax exemption certificate acceptable to the applicable taxing authority. Unless otherwise specified in the Contract, payment shall be made in accordance with Nevada law to the Vendor.

4.6 The State requests MSRP prices in effect at the time of bid submittal for internal statistical purposes.

4.7 Purchasing Card Acceptance

In an effort to streamline the purchasing and payment process, the State is encouraging agencies to use the state contracted purchasing card to facilitate small dollar purchases. While at the present time it is not mandatory that contractors accept credit card purchases; contractors are encouraged to consider this alternate payment process.

Purchasing (Credit) Cards accepted: Yes _____ No _____

Payment discount for transactions involving card use: _____ % Discount.

4.8 Delivery

Delivery will be completed within _____ calendar days after receipt of purchase order.

5. **BID SUBMITTAL INSTRUCTIONS**

5.1 **Bids must be received at the address referenced below no later than 2:00 PM Pacific Time, November 25, 2015.** Bids that do not arrive by bid opening time and date WILL NOT BE ACCEPTED. Vendors may submit their bid any time prior to the above stated deadline.

5.2 Bids may be submitted via mail, overnight delivery or facsimile.

5.2.1 *Hard Copy Bid Submission:* Must be submitted in a sealed package, the package must be clearly marked: Invitation to Bid No. 8389, Bid Opening Date: November 25, 2015.

Bid shall be submitted to:

State of Nevada, Purchasing Division
Heather Moon, Buyer III
515 E. Musser Street, Suite 300
Carson City, NV 89701

5.2.2 *Electronic Bid Submittal:* Faxed bids shall be sent to 775-684-0169 **ONLY**. Bids sent to any other fax number will NOT be accepted. Awarded vendor will be required to follow up with an original signature of the submitted bid. Bids sent by fax must be sent with a cover page, the package must be clearly marked: Invitation to Bid No. 8389, Bid Opening Date: November 25, 2015.

5.3 The State Purchasing Division will not be held responsible for bid packages mishandled as a result of not being properly prepared.

5.4 The Purchasing Division will accept questions received by email regarding this ITB as follows:

The Question Submittal Form is located on the Bidding Opportunities webpage at <http://purchasing.state.nv.us/bids/bdocs.htm>. Scroll down to the Bid number and select the “Question” link.

The deadline for submitting questions is November 9, 2015 at 3:00 p.m., Pacific Time. All questions and/or comments will be addressed in writing and responses e-mailed or faxed to prospective vendors on or about November 13, 2015.

5.5 **ITB TIMELINE**

<i>TASK</i>	<i>DATE/TIME</i>
Deadline for submitting questions	11/9/15 @ 3:00 P.M.
Answers to all questions submitted available on or about	11/13/15
<u>Deadline for submission and opening of bids</u>	<u>11/25/15 @ 2:00 P.M.</u>

Evaluation period	11/30/15 – 12/1/15
Selection of vendor on or about	11/30/15 – 12/1/15

NOTE: These dates represent a tentative schedule of events. The State reserves the right to modify these dates at any time, with appropriate notice to prospective vendors.

- 5.6 This entire document and any amendments, if applicable, to this ITB must be returned as part of the vendor’s bid submission. Failure to comply with this requirement may be grounds for non-acceptance of the bid.
- 5.7 For purposes of addressing questions concerning this ITB the sole contact will be the Purchasing Division. Upon issuance of this ITB, employees and representatives of the agencies identified herein will not answer questions or otherwise discuss the contents of this ITB or any subsequent submitted bid responses with any prospective bidders or their representatives until issuance of formal NOA. Failure to observe this restriction may result in disqualification of any bid. This restriction does not preclude discussions between affected parties for the purpose of conducting business unrelated to this procurement.
- 5.8 Sealed bids will be publically opened and read at the date, time and location specified within the ITB. Assistance for handicapped, blind or hearing-impaired persons who wish to attend the ITB opening is available. If special arrangements are necessary, please notify the Purchasing Division designee as soon as possible and at least two days in advance of the opening.

6. BID SOLICITATION, EVALUATION AND AWARD PROCESS

- 6.1 This procurement is being conducted in accordance with NRS Chapter 333 and NAC Chapter 333.
- 6.2 Bids must conform to all terms, conditions and specifications in this ITB.
- 6.3 Contractor agrees to comply with conditions of the Federal Occupational Safety and Health Acts of 1970 (OSHA) as may be amended, and certifies that all items furnished and purchased under this order will conform to and comply with said standards and regulations. Contractor further agrees to indemnify and hold harmless purchaser from all damages assessed against purchaser as a result of Contractor’s failure to comply with the acts and standards thereunder and for the failure of the items furnished under this order to so comply.
- 6.4 Pursuant to NRS Chapter 613 in connection with the performance of work under this contract, the contractor agrees not to unlawfully discriminate against any employee or applicant for employment because of race, creed, color, national origin, sex, sexual orientation or age, including, without limitation, with regard to 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, without limitation, apprenticeship.

The contractor further agrees to insert this provision in all subcontracts, hereunder, except subcontracts for standard commercial supplies or raw materials.

- 6.5 Every contract or order for goods must be awarded to the lowest responsible bidder. (NRS 333.340(1)) To determine the lowest responsible bidder, the Purchasing Division may consider:
- The location of the using agency to be supplied;
 - The qualities of the articles to be supplied;
 - The total cost of ownership of the articles to be supplied;
 - The conformity of the articles to be supplied with the specifications;
 - The purposes for which the articles to be supplied are required; and
 - The dates of delivery of the articles to be supplied.

The Purchasing Division shall not be obligated to accept low bid, but will make an award in the best interest of the State after all factors have been evaluated. (NRS 333.300(2))

- 6.5.1 When the advertisement for bids includes a statement that bids for alternative articles will be considered, alternative articles will be considered in as much as they are determined to:

- Meet or exceed the specifications of the article listed in the original request for bids;
- The purchase of the alternative article results in a lower price; and
- The Chief deems the purchase of the alternative article to be in the best interests of the State.

- 6.6 Bids may be withdrawn by written or facsimile notice received prior to the ITB opening time. Withdrawals received after the ITB opening time will not be considered except as authorized by NRS 333.350(3).
- 6.7 The State reserves the right to alter, amend, or modify any provisions of this ITB, or to withdraw this ITB, at any time prior to the award of a contract pursuant hereto, if it is in the best interest of the State to do so.
- 6.8 Any unsuccessful bidder may file an appeal in strict compliance with NRS 333.370.
- 6.9 The Legislature, the Supreme Court, the Nevada Wing of the Civil Air Patrol (NRS 333.469), the Nevada System of Higher Education (NRS 333.470) and local governments (as defined in NRS 332.015) are intended third party beneficiaries of any contract resulting from this ITB and any local government may join or use any contract resulting from this ITB subject to all terms and conditions thereof pursuant to NRS 332.195. The State is not liable for the obligations of any local government which joins or uses any contract resulting from this ITB.
- 6.10 Vendors who enter into a contract with the State of Nevada and who sell tangible personal property in the State of Nevada are required to obtain a permit in accordance with NRS 372.125, and required to collect and pay the taxes imposed by law on the sale of tangible personal property in this State.

- 6.11 When applicable, submission of a bid must include any and all proposed terms and conditions, including, without limitation, written warranties, maintenance/service agreements, license agreements, lease purchase agreements and the bidder's standard contract language. A review of these documents will be necessary to determine if a bid is in the best interest of the State.

7. TERMS AND CONDITIONS FOR PURCHASE OF GOODS

- 7.1 **INCORPORATED DOCUMENTS:** The Contract shall consist of this ITB, any amendments to this ITB if applicable, the vendor's bid and all documentation contained therein, together with any subsequently issued purchase order(s) executed by a person with full power and authority to issue same on behalf of the State. A vendor's bid shall not contradict or supersede any State specifications, terms or conditions without written evidence of mutual assent to such change appearing in the Contract.
- 7.2 **NOTICE:** Unless otherwise specified, termination shall not be effective until thirty (30) calendar days after a party has served written notice of default, or without cause upon the other party. All notices or other communications required or permitted to be given under this Contract shall be in writing and shall be deemed to have been duly given if delivered via email, personally in hand, by telephonic facsimile, regular mail, or mailed certified mail, return receipt requested, postage prepaid on the date posted, and addressed to the other party at the address specified above.
- 7.3 **TERMINATION:**
- 7.3.1 *Termination Without Cause.* Any discretionary or vested right of renewal notwithstanding, this Contract may be terminated upon written notice by mutual consent of both parties or unilaterally by either party without cause.
- 7.3.2 *State Termination for Nonappropriation.* The continuation of the Contract beyond the current biennium is subject to and contingent upon sufficient funds being appropriated, budgeted, and otherwise made available by the State Legislature and/or federal sources. The State may terminate the Contract, and the Vendor waives any and all claim(s) for damages, effective immediately upon receipt of written notice (or any date specified therein) if for any reason the Contracting Agency's funding from State and/or federal sources is not appropriated or is withdrawn, limited, or impaired.
- 7.3.3 *Cause Termination for Default or Breach.* A default or breach may be declared with or without termination. The Contract may be terminated by either party upon written notice of default or breach to the other party as follows:
- 7.3.3.1 If the Vendor fails to provide or satisfactorily perform any of the conditions, work, deliverables, goods, or services called for by the Contract within the time requirements specified in the Contract or within any granted extension of those time requirements; or
- 7.3.3.2 If any state, county, city or federal license, authorization, waiver, permit, qualification or certification required by statute, ordinance, law, or regulation to be held by the Vendor to provide the goods or services required by the Contract is for any reason denied, revoked, debarred, excluded, terminated, suspended, lapsed, or not renewed; or

- 7.3.3.3 If the Vendor becomes insolvent, subject to receivership, or becomes voluntarily or involuntarily subject to the jurisdiction of the bankruptcy court; or
- 7.3.3.4 If the State materially breaches any material duty under the Contract and any such breach impairs the Vendor's ability to perform; or
- 7.3.3.5 If it is found by the State that any quid pro quo or gratuities in the form of money, services, entertainment, gifts, or otherwise were offered or given by the Vendor, or any agent or representative of the Vendor, to any officer or employee of the State of Nevada with a view toward securing a contract or securing favorable treatment with respect to awarding, extending, amending, or making any determination with respect to the performing of such contract; or
- 7.3.3.6 If it is found by the State that the Vendor has failed to disclose any material conflict of interest relative to the performance of the Contract.
- 7.3.4 *Time to Correct.* Termination upon a declared default or breach may be exercised only after service of formal written notice as specified in paragraph 6.2, and the subsequent failure of the defaulting party within fifteen (15) calendar days of receipt of that notice to provide evidence, satisfactory to the aggrieved party, showing that the declared default or breach has been corrected.
- 7.3.5 *Winding Up Affairs Upon Termination.* In the event of termination of the contract for any reason, the parties agree that the provisions of this paragraph survive termination:
 - 7.3.5.1 The parties shall account for and properly present to each other all claims for fees and expenses and pay those that are undisputed and otherwise not subject to set off under the Contract. Neither party may withhold performance of winding up provisions solely based on nonpayment of fees or expenses accrued up to the time of termination;
 - 7.3.5.2 The Vendor shall satisfactorily complete work in progress at the agreed rate (or a pro rata basis if necessary) if so requested by the Contracting Agency.
- 7.4 REPRESENTATIONS AND WARRANTIES: The Vendor represents and warrants to the State:
 - 7.4.1 *Bid Representations:* All statements made by the Vendor on any application, bid, proposal, offer, financial statement, or other document used by the Vendor to induce the State to enter into the Contract are true, correct, complete, and omit no information which would render them misleading.
 - 7.4.2 *Use of Broker:* The Vendor agrees to indemnify the State from any damage, liability, or expense that it may suffer as a result of any claim of a broker or other finder with whom it is determined that the Vendor has dealt in connection with the transactions contemplated under the contract.
 - 7.4.3 *Express Warranties:* For the period specified in the NOA, Vendor warrants and represents each of the following with respect to any goods provided under the contract:
 - 7.4.3.1 *Fitness for Particular Purpose:* The goods shall be fit and sufficient for the particular purpose set forth in the Contract.
 - 7.4.3.2 *Fitness for Ordinary Use:* The goods shall be fit for the purpose for which goods of a like nature are ordinarily intended, it being understood that the purpose for the goods covered by the Contract are ordinarily intended for use in general government administration and operations.

- 7.4.3.3 Merchantable, Good Quality, No Defects: The goods shall be merchantable, of good quality, and free from defects, whether patent or latent, in material and workmanship.
- 7.4.3.4 Conformity: The goods shall conform to the standards, specifications and descriptions set forth in the Contract. If the Vendor has supplied a sample to the State, the goods delivered shall conform in all respects to the sample and shall be identified by the word "sample" and Vendor's name.
- 7.4.3.5 Uniformity: The goods shall be without variation, and shall be of uniform kind, quality, and quantity within each unit and among all units.
- 7.4.3.6 Packaging and Labels: The goods shall be contained, packaged, and labeled so as to satisfy all legal and commercial requirements applicable to use by a government agency, including without limitation, Occupational Safety and Health Administration material safety data sheets and shall conform to all statements made on the label.
- 7.4.3.7 Full Warranty: The foregoing warranties are "full" warranties within the meaning of the Magnuson-Moss Warranty -- Federal Trade Commission Improvement Act, 15 U.S.C. 2301 et seq., and implementing regulations 16 C.F.R. pts. 700-703, if applicable to this transaction.
- 7.4.3.8 Title: The Vendor has exclusive title to the goods and shall pass title to the State free and clear of all liens, encumbrances, and security interests.
- 7.4.3.9 Infringement; Indemnity: The Vendor warrants the purchase or use of the goods shall not infringe upon any United States or foreign patent, and the Vendor shall indemnify the State against all judgments, decrees, costs, and expenses resulting from any alleged infringement and shall defend, upon written request of the State, at its own expense, any action which may be brought against the State, its vendees, lessees, licensees, or assignees, under any claim of patent infringement in the purchase or use of the Vendor's goods. If the State is enjoined from using such goods, the Vendor shall re-purchase such goods from the State at the original purchase price. The State shall notify the Vendor promptly in writing of any such suit. If the State compromises or settles any such suit without the written consent of the Vendor, the Vendor shall be released from the obligations of this paragraph and from any liability to the State under any statute or other rule of law.
- 7.4.3.10 Usage of Trade; Course of Dealings; Implied Warranties: The Vendor shall be bound by any implied warranty that, at the time of execution of the Contract, prevails in the trade of government in the marketing area in and about the State of Nevada. The Vendor shall also be bound by any other implied warranty arising through course of dealings between the Vendor and the State from and after the execution of the Contract. The Vendor shall also be bound by all warranties set forth in Nevada's Uniform Commercial Code (NRS Chapter 104) in effect on the date of issuance of the NOA.
- 7.4.3.11 Warranties Cumulative: It is understood that warranties created by the Contract, whether express or implied, as well as all warranties arising by operation of law that affect the rights of the parties, are cumulative and should be construed in a manner consistent with one another.

7.4.3.12 **Priority of Warranties:** If it is held by a court of competent jurisdiction that there is an irreconcilable conflict between or among any of the warranties set forth in the Contract and any warranties implied by law, the parties agree that the specifications contained in the Contract shall be deemed technical and mere language of description.

7.4.3.13 **Beneficiaries of Warranties:** Benefit of any warranty made in the Contract shall be in favor of the State, any of its political subdivisions or agencies, employee or licensee thereof who uses the goods, and the benefit of any warranty shall apply to both personal injury and property damage.

7.5 **DELIVERY, INSPECTION, ACCEPTANCE, TITLE, RISK OF LOSS:** The Vendor agrees to deliver the goods as indicated in the Contract, and upon acceptance by the State, title to the goods shall pass to the State. The State shall have the right to inspect the goods on arrival and within a commercially reasonable time. The State must give notice to the Vendor of any claim or damages on account of condition, quality, or grade of the goods, and must specify the basis of the claim in detail. Acceptance of the goods described in the Contract is not a waiver of UCC revocation of acceptance rights or of any right of action that the State may have for breach of warranty or any other cause. Unless otherwise stated above, risk of loss from any casualty, regardless of the cause, shall be on the Vendor until the goods have been accepted and title has passed to the State. If provided by the Vendor, the State agrees to follow reasonable instructions regarding return of the goods.

7.6 **NO ARRIVAL, NO SALE:** The Contract is subject to provisions of no arrival, no sale terms, but proof of shipment shall be given by the Vendor; each shipment to constitute a separate delivery. A variation of ten (10) days in time of shipment or delivery from that specified in the Contract does not constitute a ground for rejection. The State may treat any deterioration of the goods as entitling the State to the rights resulting from a casualty to the identified goods without regard to whether there has been sufficient deterioration so that the goods no longer conform to the Contract.

7.7 **BREACH, REMEDIES:** Failure of either party to perform any obligation of the Contract shall be deemed a breach. In the event of a breach, the party asserting breach may, in addition to any remedies or rights afforded by Nevada law, cancel the Contract with respect to any executory obligations. All rights and remedies are cumulative with one another and with those provided by law, and exercise of one remedy or right is not a waiver of the right to pursue any other right or remedy afforded. Penalties provided under Nevada law shall be limited to those in effect on the effective date of the Contract. *See* NRS 333.365. Either party, as a prevailing party to any arbitration or other action regarding the enforcement of the Contract, is entitled to reasonable attorney's fees and costs. It is specifically agreed that reasonable attorneys' fees shall include without limitation One hundred twenty-five dollars (\$125) per hour for State-employed attorneys. The State may set off consideration against any unpaid obligation of the Vendor to any State agency.

7.8 **LIMITED LIABILITY:** The State will not waive and intends to assert available NRS Chapter 41 liability limitations in all cases. Contract liability of both parties shall not be subject to punitive damages.

- 7.9 WAIVER OF BREACH: A failure to assert any right or remedy available to a party under the Contract, or a waiver of the rights or remedies available to a party by a course of dealing or otherwise shall not be deemed to be a waiver of any other right or remedy under the Contract, unless such waiver is contained in a writing signed by the waiving party.
- 7.10 SEVERABILITY: If any provision contained in the Contract is held to be unenforceable by a court of law or equity, the Contract shall be construed as if such provision did not exist and the non-enforceability of such provision shall not be held to render any other provision or provisions of the Contract unenforceable.
- 7.11 ASSIGNMENT/DELEGATION: To the extent that any assignment of any right under the Contract changes the duty of either party, increases the burden or risk involved, impairs the chances of obtaining the performance of the Contract, attempts to operate as a novation, or includes a waiver or abrogation of any defense to payment by State, such offending portion of the assignment shall be void, and shall be a breach of the Contract. No duties of either party may be delegated without written consent by the other party, and any such consent does not in any way affect the liability of the delegating party, unless the writing so states.
- 7.12 FORCE MAJEURE: Neither party shall be deemed to be in violation of this Contract if it is prevented from performing any of its obligations hereunder due to strikes, failure of public transportation, civil or military authority, act of public enemy, accidents, fires, explosions, or acts of God, including, without limitation, earthquakes, floods, winds, or storms. In such an event the intervening cause must not be through the fault of the party asserting such an excuse, and the excused party is obligated to promptly perform in accordance with the terms of the Contract after the intervening cause ceases.
- 7.13 GOVERNING LAW; JURISDICTION: This Contract and the rights and obligations of the parties hereto shall be governed by, and construed according to, the laws of the State of Nevada, including, without limitation, Nevada's UCC (NRS Chapter 104) in effect on the date of the NOA. The parties consent to the jurisdiction and venue of the First Judicial District Court, Carson City, Nevada for enforcement of the Contract.
- 7.14 ENTIRE AGREEMENT; CONFLICT WITH OTHER DOCUMENTS: The Contract (including all incorporated attachments) is intended by the parties as the final expression of their agreement and is the complete and exclusive statement of the terms hereof. All prior agreements are superseded and excluded. Prices, quantities, dates, and places of deliveries and means of transportation may be fixed by attachments to the Contract. Except as previously stated, if any term in any incorporated attachment or in any Vendor's invoice contradicts or negates a term in the Contract, the Contract shall control. All amendments must be in writing and signed by the parties.
- 7.15 In accordance with NRS 333.4611, the State of Nevada, Purchasing Division shall require the purchase of new appliances, equipment, lighting and other devices that use electricity, natural gas, propane or oil, have received the Energy Star label pursuant to the program established pursuant to 42 U.S.C. 6294a or its successor, or meet the requirements established pursuant to 48 C.F.R. 23.203. These standards do not apply insofar as: (a) No items in a given class have been evaluated to determine whether they are eligible to receive the Energy Star label or have been designated by

the Federal Government to meet the requirements established pursuant to 48 C.F.R. 23.302 or (b) The purchase of these items that have received the Energy Star label would not be cost-effective in an individual instance, comparing the cost of the items to the cost of the amount of energy that will be saved over the useful life of the item.

7.16 **TERM:** In accordance with NRS 333.280, the Purchasing Division may enter into a contract for the furnishing of goods for not more than two (2) years. The original terms of a contract may be extended annually thereafter if the conditions for extension are specified in this solicitation, and the Purchasing Division determines that an extension is in the best interest of the State.

7.17 **INSURANCE:** Automobile Liability, as stated below, is required only if the commodity is being delivered to the State by the vendor. If the commodity is being shipped by common carrier, automobile liability will not be required. Vendor shall furnish the State with certificates of insurance (ACORD form or equivalent approved by the State) as required. The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf.

Automobile Liability

Bodily Injury and Property Damage for any owned, hired, and non-owned vehicles used in the performance of this Contract.

Combined Single Limit (CSL) \$1,000,000

