

SPECIFICATION: SUPPLY 9' FIBERGLASS UTILITY BODY AND MISC. EQUIPMENT AND INSTALL ON OUR 2012 FORD F350 CAB AND CHASSIS. IT HAS: 4X4, 6.7L DIESEL ENGINE, SINGLE REAR WHEEL 141" WHEEL BASE, 60" CAB TO AXLE, AUTO TRANS. POWER TAKE OFF PROVISION. FACTORY INSTALLED UPFITTER SWITCHES, FACTORY INSTALLED TRAILER BRAKE CONTROLLER.

BIDDER PROPOSES TO FURNISH AND INSTALL:

Astoria model 108STD-SRW, or equal fiberglass utility body and miscellaneous equipment designed to fit a 2012 Ford F350 Super Duty.

Make and Model of fiberglass body bid: Astoria model 108STD-SRW

Body shall be solid, structurally reinforced type, fiberglass throughout modules with no critical stress areas that can result in cracks or leakage utilizing fiberglass

Comply

All fiberglass skins shall be consistently 3/16" (.1875) thick. Glass/resin ratio should be approx. 30/70. No resin fillers shall be used.

Comply

Top, front, and rear bottoms of fiberglass side modules to be cored with 3/8" recycled fiberglass panels. Modules to have full height 3/8" recycled fiberglass bulkheads to separate compartments.

Comply

Bulkheads will be sealed in with polyester bonding putty providing a strong and flexible bond that is void free and resistant to water.

Comply

Recycled fiberglass core panels to have a minimum ultimate strength of 1200 psi, ultimate flexural strength of 2200 psi, and shear strength at yield of 265 psi.

Comply

Compartment interiors are to have bright white color finish.

Comply

Recycled fiberglass content of body to be 51% by volume of the total fiberglass construction and 44% by weight.

Comply

Floor headboard, and side flanges, shall be made from 1/8" aluminum tread plate floor and will be full seam welded. Tread plate floor shall be attached to a 2" steel tube understructure consisting of cross members and longitudinals.

Comply

Steel understructure will provide cross members that protrude further than the width of floor, aft of rear wheels. Fiberglass modules will be bolted to floor and understructure with 3/8" carriage bolts. Front

headboard will consist of a square bolt pattern of four bolting locations each side. Tread plate floor (side flange) shall have bolting locations no less than 11" apart for entire length of body. There are two bolting locations in each cross member from steel understructure aft of rear wheel both sides.

Comply

Body doors will be hollow core, double panel with gel coat finish on both outer and inner surfaces. The exterior door surface will have a slight convex shape for improved impact strength. The inner door panel will be flat so as to engage the weather-strip uniformly without crimping or tearing.

Comply

Door panels will be joined by polyester bonding putty. Aluminum reinforcements will be glassed inside door for attaching hardware to prevent cracking and hole distortion. Doors to be heavy duty to resist warping and capable of resisting high impact loads.

Comply

Doors to create a tight waterproof seal by means of automotive double bulb type, hollow core weather-strip. Door seal is to attach by means of pinch weld (no glue)

Comply

Aluminum drip rail will be located over all door openings and run full length of body

Comply

Compartment door openings shall not exceed a 2" corner radius.

Comply

Minimum of two hinges per door. Hinge shall be heavy duty stainless steel strap type hinge. Hinges will bolt to body and door with stainless steel flush mounted bolts. Hinge length approx. five (5) inches.

Comply

Heavy duty, stainless steel, door latches, two stage, automotive, rotary type with adjustable strikers. All doors (locks) are to be keyed alike.

Comply

Body to have the following approx. dimensions: Bidder to enter exact dimensions.

Length: approx. 108"

Length 108"

Height: approx. 39"

Height 39"

Width: approx. 79"

Width 79"

Compartment Depth: approx. 15"

Compartment Depth 15"

Load bed floor width: minimum 49"

Load bed floor width 49"

Compartments:

Left Front - Street side: approx. 33" wide x 39" tall

Comply

Equipped (from top to bottom, full width) with pull out drawers (on rollers) with adjustable dividers. (Approx. 9-10 drawers, approx 3"- 4" in height)

Comply

<u>Left Horizontal – Over wheel well - Street side:</u> approx. 48" wide x 17" tall Equipped with one pull out drawer (located appropriately, in the center of the compartment.) Drawer to be approx. 3" tall, full depth and width. Drawer (on rollers) to be slide out	<u>Comply</u>
<u>Left Rear - Street side:</u> approx. 27" wide x 39" tall. Equipped with 5 swivel J-hooks. Mounting 1 -3 - 1	<u>Comply</u> <u>Comply</u>
<u>Right Front - Curbside:</u> approx. 33" wide x 39" tall. Equipped with "Powerbox Control Panel" Open at bottom	<u>Comply</u> <u>Comply</u>
<u>Right Horizontal – Over well – Curb side:</u> approx. 48" wide x 17" tall. Equipped with one shelf (located appropriately, in the center of the compartment)	<u>Comply</u> <u>Comply</u>
Right Rear - Curb side: approx. 27" wide x 39" tall.	<u>Comply</u>
TOOL BOX: Mounted on top of left compartment, constructed of fiberglass with aluminum lid(s), full length and width of compartment, minimum of 12" deep. Has two 4' lids, or one full length, that are hinged on street side.	<u>Comply</u>
Vista compartment lights installed in each compartment. Wiring installed in loom with switch located in the cab. Switch to be energized ONLY when chassis lights are on.	<u>Comply</u>
Each compartment to be supplied with a compartment drain.	<u>Comply</u>
All fasteners to be stainless steel with self-locking nuts.	<u>Comply</u>
Tailgate: Aluminum, approx. 10" high. Hinged with self-latching hardware.	<u>Comply</u>
Chrome/Aluminum rock guards installed lower front corners of utility box and at rear of wheel wells.	<u>Comply</u>
Rubber fender flare is required at body wheel openings.	<u>Comply</u>
Body and Finish: An exterior gel coat finish (exact same color as cab) shall be applied to the body exterior, and have a depth of .015" to .018" when cured so as to guard against scratches. The high gloss ISO/NPG gel coat will be provided with UV barriers to guard against premature fading.	<u>Comply</u>
All metal (except chrome/aluminum) to be primed and painted the same color as cab/body. (Ford SCHOOL BUS yellow. pt code m6284.)	<u>Comply</u>

LED LIGHTS & REFLECTORS: Conform to FMVSS #108. LED lighting for stop/tail/turn and all clearance lights. Lights (including backup) are to be flush mount and protected, with shock resistant rubber grommets.

FMVSS #108 Comply

TRAFFIC ARROW: Star Model # TD93DLXTARO. Mounted on rack at front of box. (Also used to mount beacon)

Star # TD93DLXTARO
Comply

Will custom build or use Back Rack

BEACON LIGHT: Star model # 9200H amber, with Tecniq S34-RR09-1 "beacon on" indicator light. Beacon wired to one of the factory installed upfitter switches.

Star # 9200H
Tecniq # S34-RR09-1
Comply

(Request LED lighting from TRUCKLITE, STAR or equivalent).

***** NOTE: ALL WIRING TO BE ENCLOSED IN LOOM AND ALL ELECTRICAL CONNECTIONS ARE TO BE SEALED WITH HEAT SHRINK TUBING (MASTIC SEAL FILLED). LIGHTING SYSTEM SHALL BE COMPLETELY SEALED WITH WATERPROOF JUNCTION BOXES, LAMPS, AND WEATHER PAK CONNECTIONS. NO BUTT CONNECTORS OR SCOTCH LOCKS. NO EXCEPTIONS.

Electric back-up alarm (Star model 62-102)

Star # 62-102

Comply

Vise bracket to be installed. Location to be determined at time of installation.

Comply

TOW HOOKS, Heavy duty (Rear), two, bolted to frame

Comply

STEP BUMPER: Steel, suitable for mounting vise bracket, minimum thickness: ¼".

Comply

Reese Hitch - #41927 Buyers 2" -BH82000

Class III Reese type hitch – installed under step bumper. Equipped with Buyers 2" multi-hitch, to include safety chain hookup attachment

Comply

Heavier Rating -Class V 1,200/12,000

Trailer Connector: 7-pin connector (Velvac model #593083 and boot #11-761). Truck is pre-wired to rear (OE trailer package). City will supply wiring diagram to successful bidder.

Comply

Betts 18 pin

Weatherproof poly box (Betts 18 pin) for all trailer/lighting connections at rear. Box to be attached to frame at rear of truck. All trailer/rear light connections are to go through this box.

Comply

Vanair -Air N arc 150K

POWER BOX – Installed – Vanair Model Air N arc 150K with remote Mounted control panel equipped with 5000 watt Generator and Air Compressor capable of producing 20 cfm @ 100 psi. Electric start.

Comply

Note: Only have 12 volt output when unit is in charge or boost mode

Unit to be installed in the front portion of the utility body at the back of the cab. Power Box control panel to extend into the right front

compartment of utility body. Controls will be accessible by opening door to compartment. Comply

Unit to be powered by one 18 hp Kohler engine. Includes oil Comply

Unit to have 12 gallon fuel tank. Includes 4 gallons of gas Comply

Unit to provide minimum of 5000 watts power, 110v and/or 12 v. Comply

One (1), two opening, ground-fault protected, outlet to be located at Rear, right side of body Comply

110 volt wiring to be on its own circuit. Wiring to be run in conduit. Gauge of wiring to be compatible with output of generator. 110 volt Wiring not to be run in same conduit with 12 volt wiring. Comply

Unit to be equipped with air compressor delivering a total of 20 CFM Of air at 100 PSI. Also to be equipped with 30 gallon air storage Tank. Max 150 psi available. Comply

Compressed air plumbed to exit rear bumper area with 1" line Terminating with a 1" ball valve. Comply

MUDFLAPS: Behind rear wheels, using DOT specifications. Mud Flaps are to be mounted using stainless steel hardware. Comply

All items to be painted, installed, and fully operational. ALL phases of installation to be gone over with Scott Meteer prior to installation. Comply

Body
Warranty: Astoria - 5 Year Warranty -enclosed
Please enclose a copy of Manufacturer's warranty with bid.

Successful bidder to supply City of Traverse City with wiring diagram of both 12v and 110 v electrical systems. Comply

City will deliver cab/chassis to successful bidder and pick up finished truck for distances of 75 miles or less. Anything farther, bidder will pick up and deliver at no cost to the City. Comply

Bidder - Please complete and return

BID PAGE

Supply and install specified Fiberglass utility body and miscellaneous equipment on City of Traverse City's cab and chassis.

Price quoted shall include title fee, any documentation fee, and all transportation (delivery) charges fully prepaid to the City Garage, 625 Woodmere Avenue, Traverse City, MI 49686.

MAKE AND MODEL OF EQUIPMENT BID:

Astoria model 108STD-SRW -All electrical safety lighting, wiring, ect - exactly as specified. Class III Reese Hitch, Vanair model Air N arc 150K -exactly as specified.

COST OF INSTALLED SPECIFIED EQUIPMENT: \$25,181.29

EXPECTED DELIVERY DATE: Approx. 45 Days to get body & approximately 30 days for Truck & Trailer to build
Length of time after receipt of purchase order)

COMPANY: Truck & Trailer Specialties of Boyne Falls, Inc.

ADDRESS: 00399 US 131, P.O. Box 473, Boyne Falls, MI 49713

PHONE: 231-549-3500 fax: 231-549-3555

BID SUBMITTED BY: Butch Cone

TITLE: President

SIGNATURE: Butch Cone **DATE:** October 27, 2011

Bidder - Please complete and return

BID SUMMARY

TITLE: Supply and install specified Fiberglass utility body and miscellaneous equipment on City of Traverse City's cab and chassis.

DUE DATE: Wednesday, November 2, 2011 at 2 PM

Having carefully examined the specifications and any other applicable information, the bidder proposes to furnish all items necessary for and reasonably incidental to the proper completion of this bid. Bidder submits this bid and agrees that the bid may not be withdrawn for a period of thirty (30) days from the actual date of the opening of the bid.

Bidder understands and agrees, if selected as the successful bidder, to accept a Purchase Order/Service Order from the City and to provide proof of any required insurance.

Bidder submits this bid and agrees to meet or exceed all the City of Traverse City's requirements and specifications unless otherwise indicated in writing and attached hereto.

Bid forms are to be completed, including bid sheet, and submitted. Items not meeting specifications must be noted in the "comply" column and bidder shall fully describe every variance, exception, and/or deviation. Additional sheets may be used and submitted with bid.

Bidder is also required to submit, with the bid, the latest printed manufacturer's specifications and advertising literature on the equipment (including components) to be provided. Completed unit MUST be equipped in compliance with all applicable ANSI, OSHA, State and Federal Motor Vehicle Safety standards and regulations in effect at time of manufacture.

Bidder understands that the City reserves the right to accept any or all bids in whole or in part and to waive irregularities in any bid in the best interest of the City of Traverse City. The bids will be evaluated and awarded on the basis of the best value to the city. Criteria used will include, but not be limited to, vendor/contractor's ability, qualifications, experience, type and amount of equipment, purchase price, maintenance cost(s), insurance, resale, license and permits and overall capability meeting the needs of the City of Traverse City. The City is sales tax exempt – Government.

The Bidder certifies that it is in compliance with the City's Nondiscrimination Policy as set forth in Administrative Order No. 47 and Chapter 605 of the City's Codified Ordinances.

Pre-delivery Inspection: Successful bidder shall make a complete inspection of vehicle (and/or equipment) to insure it meets specifications and perform any pre-delivery service(s) required before the vehicle is delivered. Acceptance shall be subject to complete inspection and approval of the City.

Terms: Net Cash. Payment will be made as soon as possible after delivery/acceptance of vehicle/equipment. Price quoted shall include any title fee and all delivery costs to the City Garage, 625 Woodmere Ave., Traverse City, MI 49686.

Bidder certifies that as of the date of this bid, Bidder's company or Bidder is not in arrears to the City of Traverse City for debt or contract and is in no way a defaulter as provided in Section 152, Chapter XVI of the Charter of the City of Traverse City.

**Please direct ALL questions to: Scott Meteer, Superintendent,
Division of Motor Equipment, City of Traverse City, at 231-
922-4902, ext. 111.**

Submitted by: Butch Cone

Butch Cone
Signature

Truck & Tailer Specialties of Boyne Falls, Inc.
Company Name

Butch Cone, President
Name and Title (Print)

00399 US 131, P.O. Box 473
Company Address

231-549-3500 231-549-3555
Phone Fax

Boyne Falls, MI 49713
City, State, Zip

Corporation
Sole proprietorship/partnership/corporation

Michigan
If corporation, state of corporation