

SPECIFICATIONS: ONE (1) HEAVY DUTY, DIESEL-POWERED, TANDEM AXLE TRUCKS, GVW - approx. 66,000#, current model year 2017.

To be equipped with the following after being received by the City: Stainless Steel Dump Box, Underbody Scraper, Front Snow Plow Hitch, Hydraulics, and Misc. Equipment

Western Star 4700SB, or Equivalent

TRUCK - CAB AND CHASSIS

Note: Design of truck to allow an underbody swing blade with a one piece, 1" circle, at 20" minimum clearance for a 12' underbody blade.

BIDDER PROPOSES TO FURNISH

Make and Model of truck bid Western Star 4700SB
GVW: approx. 66,000#

Comply

Wheelbase: approx. 196" with setback front axle. Wheelbase length MUST be suitable to accommodate a 12' underbody scraper. Due to the low transmission mounting position wheelbase may be affected on some makes/models of trucks. Truck bidder to confirm wheelbase length with body company for suitable installation of 12' underbody scraper.

Comply

Frame: Straight full length heavy duty channel frame 1/2 x 3.64 x 11-7/8 steel 120,000 psi yield strength, partial frame reinforcement at front suspension.

Comply

After Frame (AF): Approx. 70".

Comply

Frame Extension: Straight through integral one piece frame extending 24" beyond front grill. No bolt on or welded extension shall be used. Front PTO provision – for hydraulic system-drive mounted under radiator.

Comply

Frame fasteners: Hex headed grade 8. No huck bolts.

Comply

Front bumper "delete" (Body Company to fabricate new bumper).

Comply

**BIDDER PROPOSES
TO FURNISH**

C.T. approx. 132"

Comply

Allow suitable distance between cab and dump box for fuel/hydraulic tank. Also truck Dealer to confirm C/T dimension with body company to allow for emission equipment.

Comply

Conventional cab with super visibility fiberglass hood. Front clip to tilt, for easy access to engine compartment. Grill to be stationary, to allow opening clearance over the front snow plow hitch.

Comply

Engine: There are various diesel engines available with 1,650 ft. lb of torque, 450 horsepower. Please bid all available engines available with 1,650 ft. lb. of torque. Standard or lowest cost engine to be included in bid. Optional engines should include any up charge.

Engine make and model bid: Detroit DD13 450 hp 1650 ft. lb torque

Optional engines:

Engine make & model: _____ hp _____ ft. lb torque
Additional cost: + or - \$ _____

Engine make & model: _____ hp _____ ft. lb torque
Additional cost: + or - \$ _____

Engine make & model: _____ hp _____ ft. lb torque
Additional cost: + or - \$ _____

Engine: Full Extended Warranty 7 years.

Comply

"Jacobs" brand compression brake.

Comply

1350 Adapter flange for front PTO provision.

Comply

Engine to have composite or stainless steel oil pan. Please specify.

Composite

**BIDDER PROPOSES
TO FURNISH**

Automatic shutdown system, (with shutdown override) manufacturer's original equipment. System to shut down from loss of oil pressure, high coolant temperature, or low coolant. Bidder to indicate name and model of system bid: DDEC

Comply

To include "Virtual Technician with remote visibility," with web access.

Comply

Electronically governed engine.
Electronic accelerator and throttle.
Engine idle shut-down set for ten minutes.
Engine will require in-line check valve(s) and fuel shut off kit.
Fan Clutch: Manufacturer's standard.
110 volt engine heater.

Comply
comply
comply
Not necessary
Comply
Comply

Air Cleaner: Dry element type - with in-cab air restriction indicator. Winter engine air intake shall be from under the hood and draw from the driver's side of the truck. This is intended to provide dry engine intake air during snow plowing operations.

Comply

Oil Filter: Full flow cartridge - or Spin-on
Engine mounted oil cooler.

Comply
comply

Fuel Filter: Shall be remote and shall include a heated fuel water separator. Primary Fuel Filter to be a Dayco.

Comply

Fuel Shutoff: For filter change w/o loss of fuel.

Comply

Fuel Tank: Shipping tank only. All valving shall be supplied in the fuel system to allow for high mounted fuel tank. Equipment supplier to install combination fuel/hydraulic tank between cab and body.

comply

**BIDDER PROPOSES
TO FURNISH**

Magnetic Plugs/Traps - Located on engine and transmission drain,
and axles, fill and drain.

Comply

Transmission: Allison 4500 RDS.

Comply

Electronic transmission customer access connector, blunt cut, mounted
between driver and passenger seats.

Comply

Pedestal Mount Shifter.

Comply

"Synthetic" Transmission Fluid.

Comply

Transmission oil temperature gauge, backlit, dash mounted.

Comply

Transmission: Full Extended warranty: five years.

Comply

Heavy duty air or water to oil transmission cooler.

Comply

Front Axle: Heavy duty 20,000# Setback for maneuverability.

Comply

Bidder to state (outside to outside) turning radius of truck:

Attached

Front Suspension: Front springs: Capacity - 23,000#

Comply

Drag Link & Tie Rod ends - with grease zerks

Comply

Heavy Duty Front Shock Absorbers

Comply

Steering: Integral power steering with external cooler.

Comply

Oil lubricated front wheel hubs. Scot seal oil seals. With fill plugs
and windows.

Comply

Rear Axle: Heavy Duty 46,000#, RT-46-160p or equiv.

Comply

Traction Differential, driver controlled, air operated. Full locking
(all wheels) Driver controlled in-cab air operated switches for the
power divider and cross axle lock functions.

Comply

**BIDDER PROPOSES
TO FURNISH**

Rear Axles to be geared: (to be determined after bid is awarded).
Gear ratio bid: (approx. 6.14)

Comply

Asphalt spreader clearance rear brake geometry.

Comply

Drive Line: SPL250.

Comply

Rear Suspension: Hendrickson HN462 - 46,000# capacity
w/torque rods and four heavy duty shock absorbers.

Comply

Brakes: Air (full) with 19 cu.ft. compressor.

Comply

Anti-Lock Air Brake system-Wabco 6S/6M with traction control
and switched shut off.

Comply

S-Cam Brakes.

Comply

Parking Brake: Air (Mfgr. standard).

Comply

Automatic Moisture Ejectors.

Comply

Low pressure warning light and buzzer.

Comply

Air Dryer Bendix-Westinghouse AD-9 with heater.

Comply

Haldex automatic slack adjusters.

Comply

Front and Rear dust shields.

Comply

Scottseal Rear Oil Seals.

Comply

Rear brake chambers shall be "Haldex GoldSeal".

Comply

Air Tanks shall be mounted inside/between truck frame rails.

Comply

Air Tanks, mounting brackets and straps.

Comply

Air and electrical lines suspended away from frame members.

Comply

Alternator: 160 amp - 12 volt system.

Comply

Batteries: 3 - group 31, absorbed glass mat , mounted under passenger seat.

Comply

Battery box mounted under passenger seat and vented to outside of cab.

Comply

Wire ground return for battery cables with additional frame ground return.

Comply

All wiring to be laser etched and color coded.

Comply

Marine grade in-cab switches.

Comply

**BIDDER PROPOSES
TO FURNISH**

Exhaust: Vertical exhaust system with configuration so as not to interfere with the mounting of combination tanks, dump body, and underbody scraper. System to have a minimum of 24" ground clearance. Equipped with 90 degree outlet(s). Stainless steel heat shields shall cover exposed vertical piping. There shall be a minimum of 3" clearance maintained between the truck frame, cab, and exhaust piping.

Comply

Engine after treatment device. Automatic over the road regeneration, and dash mounted regeneration request switch.

Comply

R H outboard frame mounted vertical after treatment system w/top stack.

Comply

Thirteen gallon diesel exhaust fluid tank.

Comply

Bidder to provide warranty information for the exhaust/emission system proposed.

Warranty: Attached

Directional Signals: Steering column mounted, non-self-canceling type, with four way hazard flashers, and heavy duty turn signal flasher.

Comply

2-1/2 # fire extinguisher mounted outboard of driver's seat.

Comply

Interior Color / Cab Trim: Color to be charcoal / graphite. High level, to include, but not limited to: cloth head liner, carpeted rear cab panel and lower doors, molding around doors, windows, and B-pillar, arm rests and sun visors (both sides). Deluxe sound suppression cab insulation pkg. Flooring: Black rubber mat, double insulated.

Comply

Ignition and door keys shall be the same, all chassis ordered at the same time shall be keyed the same, there shall be four (4) keys supplied for each chassis. All Trucks to be keyed the alike.

Comply

Conventional cab to include:

Severe service galvanized steel construction.

Air cab mounts.

Stainless steel sill plates.

Exterior Stainless Sunvisor.

Heated Windshield.

Comply

Comply

Comply

**BIDDER PROPOSES
TO FURNISH**

Passenger Door lower visibility window. Comply

Fender extensions. Comply

Cab mounted front anti-spray mud flaps. Comply

Grab handles, RH and LH (interior and exterior). Comply

Tinted windows, All. Comply

Air Conditioning. Comply

Cab fresh air intake to be filtered. Comply

Heater/Defroster: Hi Output. Comply

Dual Air horns, cab roof mounted , with shields. Comply

Electric Horn, manufacturer's standard. Comply

12 volt power point - dash mounted. Comply

Radio: AM-FM with digital clock and Blue Tooth, Factory installed. Comply

Four in-cab radio speakers. Comply

Power windows LH and RH with controls on driver's side. Comply

Interior dome light to operate when either door is opened. Comply

Sun Visors, LH and RH. Comply

Beverage Holder. Comply

Tilt, Steering Column. Comply

Seatbelts: 3 point adjustable D-ring retractor, LH and RH,
High visibility orange. Comply

Diagnostic interface connector (see pg. 3). Comply

Body Builder wiring provision passing through the cab to the rear of cab. Comply

Seating: Bostrom 915 wide ride hi-back, air suspension driver's seat with
(2) air adjustable lumbar support. Companion seat to be manufacturer's
standard. Both seats to be cloth covered. Seat placement to allow for
mounting of hydraulic controls, etc. between seats. Comply

Exterior Color: "School Bus" Yellow or equiv. Color to be approved
upon bid award. Frame shall be black. Comply

Mirrors: LH and RH Heated Stainless Steel, 6x16 west coast type
with LH and RH 8" auxiliary convex type mirror, mounted below
primary mirrors. Comply

Gauges: Instruments to be Line Haul gauges with circuit breakers,
Back lighted; to include, but not limited to: Air pressure, Oil pressure,
Engine Water Temperature, Fuel, Tachometer, Speedometer,
Odometer, Volt/Amp, Transmission Oil Temperature, Fault code readout. Comply

Back Up Alarm. Comply

**BIDDER PROPOSES
TO FURNISH**

Speedometer to have standard vehicle speed sensor with additional signal for customer use located between driver and passenger seats.

Comply

Hour Meter, ignition activated, mounted in-dash. Stand alone meter.

Comply, Not Stand Alone

Snow Plow light wiring provision to the front of the truck.
Shall include both plug halves to wire into aftermarket plow lights.
Wiring and Switch. (marker and head light).
Windshield wipers: Electric, two speed, with intermittent feature.
Windshield washers: Electric with outside of cab reservoir.

Comply
Comply
Comply
Comply

Lighting: FMVSS #108 compliant. LED lighting requested for all lights.
Lights to be rubber mounted, shock resistant, with weather-pak or waterproof connections. Rear lighting for transportation purposes only. Body company to install rear lighting.

Comply

NO MULTI-PLEX WIRING-No exceptions.

Comply

Four extra ignition controlled switches in cab, 20 amp, w/indicator lights.
Tires: front - *Michelin XZY3 315/80R 22.5
rear - *Michelin XDN2 315/80R 22.5
If the above tires are not available, please contact the City for an acceptable alternative.

Comply
Comply
Comply

Wheels:
Front: Heavy duty Aluminum - ten (10) hole disc Hub Piloted.
Rear: Heavy duty Aluminum - ten (10) hole disc hub piloted unimount 9".
Hubs, steel, painted black.

Comply
Comply
Comply

Cooling System:
OAT Extended Life Coolant (100,000 change interval)
set to -34 deg. F.
Heavy duty radiator, design to provide sufficient cooling and allow for the extension of the crankshaft under the radiator and the mounting of a pump in front of the radiator. There shall be a minimum of 4" clearance in alignment to the crankshaft and engine slant.

Comply

Steel lower radiator and oil pan guards.
"Blue Stripe" hoses.

Comply
Comply
Comply
Exception

Constant tension hose clamps for coolant hoses.
Coolant Recovery system, with steel reservoir. * Not available
yes no

**BIDDER PROPOSES
TO FURNISH**

NOTE: It is the responsibility of truck cab & chassis bidder to coordinate with body supplier. If the body/equipment supplier has to make modifications the truck bidder will be charged time and materials to correct problem. City must approve dealers "order confirmation sheet" before final order is submitted. Successful bidder to provide "line sheet" and "cab electrical schematic" at time of delivery.

Comply

Warranty: Full warranty, seven (7) years with \$0 Deductible.

Comply

Warranty to begin on the in-service date of each truck.

Comply

Truck Dealer: Please indicate a local authorized repair facility where warranty service, if needed, may be performed. GRAND TRAVERSE Diesel Service

If dealer does not have a local authorized repair facility can/will you contract with someone locally to do warranty repairs if necessary? Local

Bidder to include detailed information on each component of the warranty.

WARRANTY WORK: The City of Traverse City may, with prior approval, perform any minor warranty work within the warranty period. City of Traverse City to be reimbursed "time and material" for this warranty work. If major work is to be performed, it will be the responsibility of the successful bidder to pickup, repair as necessary, and deliver the vehicle back to the City of Traverse City, at NO cost to the City.

Comply

**BIDDER PROPOSES
TO FURNISH**

One copy of operation manual as well as complete electrical and hydraulic schematics, including part numbers and wire/line sizes. Shop and Parts Manuals to be provided for everything (including all installed items.) This shall be furnished at time of delivery.

on line

All items to be painted, installed, and fully operational. All phases of installation to be reviewed with Dave Courtad prior to installation. Pre-paint inspection required.

Comply

Completed unit and all equipment to be in compliance with all applicable State, Federal, ANSI, and OSHA regulations in effect at time of manufacture.

Comply

Bidders must also submit, with their bid, a copy of the manufacturer's published literature, on all the equipment (and accessories) they propose to furnish.

Comply

Bidder - Please complete and return

BID SUMMARY

TITLE: ONE (1) HEAVY DUTY, DIESEL-POWERED, TANDEM AXLE TRUCK

DUE DATE: THURSDAY, SEPTEMBER 15, 2016 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 / Contract 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, bidder/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.

The Bidder certifies that none of the following circumstances have occurred with respect to the Bidder, an officer of the Bidder, or an owner of a 25% or more share in the Bidder's business, within 3 years prior to the bid:

(a) conviction of a criminal offense incident to the application for or performance of a contract;

(b) conviction of embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, or any other offense which currently, seriously and directly reflects on the Bidder's business integrity;

(c) conviction under state or federal antitrust statutes;

(d) attempting to influence a public employee to breach ethical conduct standards; or

(e) conviction of a criminal offense or other violation of other state, local, or federal law, as determined by a court of competent jurisdiction or an administrative proceeding, which in the opinion of the City indicates that the bidder is unable to perform responsibility or which reflects a lack of integrity that could negatively impact or reflect upon the City of Traverse City, including but not limited to, any of the following offenses or violations of:

i. The Natural Resources and Environmental Protection Act.

ii. A persistent and knowing violation of the Michigan Consumer Protection Act.

iii. Willful or persistent violations of the Michigan Occupational Health and Safety Act.

iv. A violation of federal, local, or state civil rights, equal rights, or non-discrimination laws, rules, or regulations.

v. Repeated or flagrant violations of laws related to the payment of wages and fringe benefits.

(f) the loss of a license or the right to do business or practice a profession, the loss or suspension of which indicates dishonesty, a lack of integrity, or a failure or refusal to perform in accordance with the ethical standards of the business or profession in question.

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.

The City may require an in-house equipment demonstration for your bid to be considered.

Bidder 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.

Please direct ALL questions to: Dave Courtad, Garage Superintendent, at (231) 922-4900, ext. 111.

Submitted by:



Signature

Grand Traverse Diesel Service, Inc
Company Name

Daniel Walters, President
Name and Title (Print)

194 Memorial S Commons
Company Address

231-943-4488 fax 231-943-3731
Phone Fax

Traverse City, MI 49685
City, State, Zip

Corporation
Sole proprietorship/partnership/corporation

Michigan
If corporation, state of corporation