



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Bidder agrees that the bid may not be withdrawn for a period of sixty (60) days from the actual date of the opening of the bid.

**ONE (1) HEAVY DUTY, DIESEL POWERED,  
SINGLE AXLE 4x4 TRUCK, GVW - Approx. 42,000#  
Current Model Year 2015, To Be Equipped for  
Plowing Snow - TOTAL COST**

\$ 153,000.00

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 231-943-3731  
Phone Fax

Traverse City MI 49685  
City, State, Zip

CORPORATION  
Sole proprietorship/partnership/corporation

Michigan  
If corporation, state of corporation

REFERENCES: (include name of organization, address, contact person, daytime phone number, and length of time services have been performed).

1. Grand Traverse County Road Commission Tim Trudell  
1881 La Franier 231-929-9290

2. Truck & Trailer Specialties Butch Cone 231-549-3500  
00399 US 31 Boyne Falls, MI

3. \_\_\_\_\_  
\_\_\_\_\_

**SPECIFICATIONS: HEAVY DUTY, DIESEL POWERED, SINGLE AXLE 4X4 TRUCK, GVW - approx. 42,000#, current model year 2015, 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 4800SA Set Back Axle, 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 4800SB

**GVW: approx. 42,000#**

✓

Wheelbase: approx. 158" 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.

✓

Frame: Straight full length heavy duty double channel frame, 3/8 x 3-1/2 X 10-3/4" double channel 120KSI steel frame.

✓

Rear Frame Overhang: Approx. 70".

✓

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.

✓

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

✓

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

✓

Calc'd back of cab to rear suspension C/L (CA): 99".

✓

Calculated effective back of cab to rear suspension C/L (CA): 81.13".

✓

**BIDDER PROPOSES  
FURNISH**

Calculated frame length overall: 302.0" ✓

Calculated space available for deckplate: 99.0" ✓

Calculated frame space LH side: 41.81" ✓

Calculated frame space RH side: 79.28" ✓

Square end of frame. ✓

Rear Tow Hooks. ✓

Heavy duty front closing cross member. ✓

Heavy duty back of transmission cross member. ✓

1/4" steel C-channel cross member without A-frame, Non-towing. ✓

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

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. ✓

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 All engines bid to be compatible with the Alison 4000 Series RDS. ✓

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 - \$ \_\_\_\_\_



**BIDDER PROPOSES  
TO FURNISH**

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

✓

Transmission: Allison 4000 Series RDS, six speed, with PTO provision suitable for municipal plowing operations.

Eaton  
Ultra Shift Plus

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

✓

Pedestal Mount Shifter.

✓

"Synthetic" Transmission Fluid.

✓

Transmission oil temperature gauge, backlit, dash mounted.

✓

Transmission: Full Extended warranty: seven years.

5 years

Heavy duty air or water to oil transmission cooler as recommended by Allison.

Eaton ✓

Front Axle: MX-23-160R 23,000# Single front drive setback for maneuverability. **Must have a 6.14 gear ratio.**

✓

1710HD Dana Spicer front steering axle driveline with half round yokes.

✓

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

See attached

Front Suspension: 21,500# Flat leaf.

✓

Drag Link & Tie Rod ends - with grease zerks.

✓

Heavy Duty Front Shock Absorbers

✓

Steering: Integral power steering with external cooler.

✓

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

✓

Rear Axle: Rear Axle RS-30-185 with a **6.14 gear ratio.**

✓

Synthetic 75-90W Rear Axle Lube.

✓

**BIDDER PROPOSES  
TO FURNISH**

MXL 18N Meritor extended lube main driveline with half round yokes.	<u>✓</u>
MXL 18N Meritor Extended lube inter-transmission drive line with half round yokes.	<u>✓</u>
Driver controlled traction differential- single rear axle.	<u>✓</u>
(1) Driver controlled differential lock rear valve for single drive axle.	<u>✓</u>
Indicator light for each driver controlled traction device switch.	<u>✓</u>
Asphalt spreader clearance rear brake geometry.	<u>✓</u>
Rear Suspension: Reyco 79 KB 31,000# rear suspension with fore/aft control rods and four heavy duty shock absorbers.	<u>✓</u>
Brakes: Air (full) with 19 cu. ft. compressor	<u>✓</u>
Anti-Lock Air Brake system-Wabco 4S/4M with traction control and switched shut off.	<u>✓</u>
P-Cam Brakes.	<u>✓</u>
Parking Brake: Air (Mfgr. standard).	<u>✓</u>
Automatic Moisture Ejectors.	<u>✓</u>
Low pressure warning light and buzzer.	<u>✓</u>
Air Dryer Bendix-Westinghouse AD-9 with heater.	<u>✓</u>
Meritor automatic rear slack adjusters.	<u>✓</u>
Front and Rear dust shields.	<u>✓</u>
Scottseal Rear Oil Seals.	<u>✓</u>
Rear brake chambers shall be "Haldex GoldSeal".	<u>✓</u>
Air Tanks shall be mounted inside/between truck frame rails.	<u>✓</u>
Air Tanks, mounting brackets and straps.	<u>✓</u>
Air and electrical lines suspended away from frame members.	<u>✓</u>
Alternator: 180 amp - 12 volt system.	<u>✓</u>
Batteries: 3 - group 31, absorbed glass mat, mounted under passenger seat.	<u>✓</u>
Battery box mounted under passenger seat and vented to outside of cab.	<u>✓</u>



**BIDDER PROPOSES  
TO FURNISH**

Air cab mounts.	✓
Stainless steel sill plates.	✓
Passenger Door lower visibility window.	✓
Fender extensions.	✓
Cab mounted front anti-spray mud flaps.	✓
Grab handles, RH and LH (interior and exterior).	✓
Tinted windows, All.	✓
Air Conditioning.	✓
Cab fresh air intake to be filtered.	✓
Heater/Defroster: Hi Output.	✓
Dual Air horns, cab roof mounted , with shields.	✓
Electric Horn, manufacturer's standard.	✓
12 volt power point - dash mounted.	✓
Radio: AM-FM with digital clock and Blue Tooth, Factory installed.	✓
Four in-cab radio speakers.	✓
Power windows LH and RH with controls on driver's side.	✓
Interior dome light to operate when either door is opened.	✓
Sun Visors, LH and RH.	✓
Tilt and telescoping steering wheel.	✓
Steering Wheel leather wrapped.	✓
Seatbelts: 3 point adjustable D-ring retractor, LH and RH, High visibility orange.	✓
Diagnostic interface connector (see pg. 3).	✓
Body Builder wiring provision passing through the cab to the rear of cab.	✓
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.	✓
Exterior Color: "School Bus" Yellow or equiv. Color to be approved upon bid award. Frame shall be black.	✓
Mirrors: LH and RH Heated Stainless Steel, 6x16 west coast type with LH and RH 8" auxiliary convex type mirror, mounted below primary mirrors.	✓
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.	✓

**BIDDER PROPOSES  
TO FURNISH**

Speedometer to have standard vehicle speed sensor with additional signal for customer use located between driver and passenger seats.	<input checked="" type="checkbox"/>
Hour Meter, ignition activated, mounted in-dash. Stand alone meter.	<input checked="" type="checkbox"/>
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).	<input checked="" type="checkbox"/>
Windshield wipers: Electric, two speed, with intermittent feature.	<input checked="" type="checkbox"/>
Windshield washers: Electric with outside of cab reservoir.	<input checked="" type="checkbox"/>
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.	<input checked="" type="checkbox"/>
NO MULTI-PLEX WIRING-No exceptions.	<input checked="" type="checkbox"/>
Four extra ignition controlled switches in cab, 20 amp, w/ indicator lights.	<input checked="" type="checkbox"/>
Tires: front - *Goodyear G278 MSD 445/65R 22.5	<input checked="" type="checkbox"/>
rear - *Goodyear G278 MSD 445/65R 22.5	<input checked="" type="checkbox"/>
If the above tires are not available, please contact the City for an acceptable alternative.	
Wheels:	
Front: Alcoa LVL ONE 83462 x 22.5 x 13.00 10-HUB Pilot 5.30 inset 10-Hand Aluminum Disc.	<input checked="" type="checkbox"/>
Rear: Alcoa LVL ONE 84360 x 22.5 x 14.00 10 HUB Pilot 0.00 outset 10 -Hand Aluminum Disc, hubs steel painted black.	<input checked="" type="checkbox"/>
Cooling System:	
OAT Extended Life Coolant (100,000 change interval) set to -34 deg. F.	<input checked="" type="checkbox"/>
Heavy duty radiator, design to provide sufficient cooling.	<input checked="" type="checkbox"/>
Steel lower radiator and oil pan guards.	<input checked="" type="checkbox"/>
"Blue Stripe" hoses.	<input checked="" type="checkbox"/>
Constant tension hose clamps for coolant hoses.	<input checked="" type="checkbox"/>
Coolant Recovery system, with steel reservoir.	<input checked="" type="checkbox"/>

**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.

\_\_\_\_\_ ✓

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

\_\_\_\_\_ ✓

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

\_\_\_\_\_ ✓

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

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

**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 pick up, repair as necessary, and deliver the vehicle back to the City of Traverse City, at NO cost to the City.

\_\_\_\_\_ ✓

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.

\_\_\_\_\_ online

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.

\_\_\_\_\_ ✓

**BIDDER PROPOSES  
TO FURNISH**

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

\_\_\_\_\_ ✓

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.

\_\_\_\_\_ ✓

**INSTRUCTIONS TO BIDDERS:**

All bids must be submitted through a truck dealer. Truck dealer will be the one receiving the purchase order for the completed vehicle. If an equipment dealer wishes, they may submit a bid utilizing their equipment and a truck dealers truck. In so doing they will receive the purchase order and be responsible for the completed vehicle. Only one purchase order will be issued and payment will be made after vehicles are satisfactorily delivered.

**IF YOU HAVE ANY QUESTIONS, PLEASE CALL MR. DAVE COURTAD, 231-922-4900, EXT. 111. Questions should be asked BEFORE the bid is submitted.**

Bid Forms: Exceptions / Deletions - Bidder **MUST** return the attached bid forms, completely filled out. If these forms are not used the bid **WILL NOT** be considered. Bids must meet or exceed specifications. 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. The City of Traverse City reserves the right to accept or reject any or all bids, waive irregularities, and to accept the bids either on an entire or individual basis that is in the best interest of the City of Traverse City.

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**ONE (1) HEAVY DUTY, DIESEL POWERED,  
SINGLE AXLE 4x4 TRUCK, GVW - Approx. 42,000#  
Current Model Year 2015, To Be Equipped for  
Plowing Snow - TOTAL COST**

\$ 156,000.00

Submitted by:

  
Signature

Daniel Walters President  
Name and Title (Print)

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

Grand Traverse Diesel Service, inc  
Company Name

194 Memorial S Commons  
Company Address

Traverse City MI 49685  
City, State, Zip

CORPORATION

Sole proprietorship/partnership/corporation

Michigan  
If corporation, state of corporation

REFERENCES: (include name of organization, address, contact person, daytime phone number, and length of time services have been performed).

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**Western Star 4800SA Set Back Axle, 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 4800SB

**GVW: approx. 42,000#**

✓

Wheelbase: approx. 158" 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.

✓

Frame: Straight full length heavy duty double channel frame, 3/8 x 3-1/2 X 10-3/4" double channel 120KSI steel frame.

✓

Rear Frame Overhang: Approx. 70".

✓

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.

✓

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

✓

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

✓

Calc'd back of cab to rear suspension C/L (CA): 99".

✓

Calculated effective back of cab to rear suspension C/L (CA): 81.13".

✓

**BIDDER PROPOSES  
FURNISH**

Calculated frame length overall: 302.0" ✓

Calculated space available for deckplate: 99.0" ✓

Calculated frame space LH side: 41.81" ✓

Calculated frame space RH side: 79.28" ✓

Square end of frame. ✓

Rear Tow Hooks. ✓

Heavy duty front closing cross member. ✓

Heavy duty back of transmission cross member. ✓

1/4" steel C-channel cross member without A-frame, Non-towing. ✓

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

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. ✓

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 All engines bid to be compatible with the Alison 4000 Series RDS. ✓

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 - \$ \_\_\_\_\_



**BIDDER PROPOSES  
TO FURNISH**

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

✓

Transmission: Allison 4000 Series RDS, six speed, with PTO provision suitable for municipal plowing operations.

✓

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

✓

Pedestal Mount Shifter.

✓

"Synthetic" Transmission Fluid.

✓

Transmission oil temperature gauge, backlit, dash mounted.

✓

Transmission: Full Extended warranty: seven years.

5 years

Heavy duty air or water to oil transmission cooler as recommended by Allison.

✓

Front Axle: MX-23-160R 23,000# Single front drive setback for maneuverability. **Must have a 6.14 gear ratio.**

✓

1710HD Dana Spicer front steering axle driveline with half round yokes.

✓

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

See attached

Front Suspension: 21,500# Flat leaf.

✓

Drag Link & Tie Rod ends - with grease zerks.

✓

Heavy Duty Front Shock Absorbers

✓

Steering: Integral power steering with external cooler.

✓

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

✓

Rear Axle: Rear Axle RS-30-185 with a **6.14 gear ratio.**

✓

Synthetic 75-90W Rear Axle Lube.

✓

**BIDDER PROPOSES  
TO FURNISH**

MXL 18N Meritor extended lube main driveline with half round yokes.	<u>          ✓          </u>
MXL 18N Meritor Extended lube inter-transmission drive line with half round yokes.	<u>          ✓          </u>
Driver controlled traction differential- single rear axle.	<u>          ✓          </u>
(1) Driver controlled differential lock rear valve for single drive axle.	<u>          ✓          </u>
Indicator light for each driver controlled traction device switch.	<u>          ✓          </u>
Asphalt spreader clearance rear brake geometry.	<u>          ✓          </u>
Rear Suspension: Reyco 79 KB 31,000# rear suspension with fore/aft control rods and four heavy duty shock absorbers.	<u>          ✓          </u>
Brakes: Air (full) with 19 cu. ft. compressor	<u>          ✓          </u>
Anti-Lock Air Brake system-Wabco 4S/4M with traction control and switched shut off.	<u>          ✓          </u>
P-Cam Brakes.	<u>          ✓          </u>
Parking Brake: Air (Mfgr. standard).	<u>          ✓          </u>
Automatic Moisture Ejectors.	<u>          ✓          </u>
Low pressure warning light and buzzer.	<u>          ✓          </u>
Air Dryer Bendix-Westinghouse AD-9 with heater.	<u>          ✓          </u>
Meritor automatic rear slack adjusters.	<u>          ✓          </u>
Front and Rear dust shields.	<u>          ✓          </u>
Scottseal Rear Oil Seals.	<u>          ✓          </u>
Rear brake chambers shall be "Haldex GoldSeal".	<u>          ✓          </u>
Air Tanks shall be mounted inside/between truck frame rails.	<u>          ✓          </u>
Air Tanks, mounting brackets and straps.	<u>          ✓          </u>
Air and electrical lines suspended away from frame members.	<u>          ✓          </u>
Alternator: 180 amp - 12 volt system.	<u>          ✓          </u>
Batteries: 3 - group 31, absorbed glass mat, mounted under passenger seat.	<u>          ✓          </u>
Battery box mounted under passenger seat and vented to outside of cab.	<u>          ✓          </u>



**BIDDER PROPOSES  
TO FURNISH**

Air cab mounts.	✓
Stainless steel sill plates.	✓
Passenger Door lower visibility window.	✓
Fender extensions.	✓
Cab mounted front anti-spray mud flaps.	✓
Grab handles, RH and LH (interior and exterior).	✓
Tinted windows, All.	✓
Air Conditioning.	✓
Cab fresh air intake to be filtered.	✓
Heater/Defroster: Hi Output.	✓
Dual Air horns, cab roof mounted , with shields.	✓
Electric Horn, manufacturer's standard.	✓
12 volt power point - dash mounted.	✓
Radio: AM-FM with digital clock and Blue Tooth, Factory installed.	✓
Four in-cab radio speakers.	✓
Power windows LH and RH with controls on driver's side.	✓
Interior dome light to operate when either door is opened.	✓
Sun Visors, LH and RH.	✓
Tilt and telescoping steering wheel.	✓
Steering Wheel leather wrapped.	✓
Seatbelts: 3 point adjustable D-ring retractor, LH and RH, High visibility orange.	✓
Diagnostic interface connector (see pg. 3).	✓
Body Builder wiring provision passing through the cab to the rear of cab.	✓
 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.	 ✓
 Exterior Color: "School Bus" Yellow or equiv. Color to be approved upon bid award. Frame shall be black.	 ✓
 Mirrors: LH and RH Heated Stainless Steel, 6x16 west coast type with LH and RH 8" auxiliary convex type mirror, mounted below primary mirrors.	 ✓
 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.	 ✓

**BIDDER PROPOSES  
TO FURNISH**

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

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

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.

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.

NO MULTI-PLEX WIRING-No exceptions.

Four extra ignition controlled switches in cab, 20 amp, w/ indicator lights.

Tires: front - \*Goodyear G278 MSD 445/65R 22.5

rear - \*Goodyear G278 MSD 445/65R 22.5

If the above tires are not available, please contact the City for an acceptable alternative.

**Wheels:**

Front: Alcoa LVL ONE 83462 x 22.5 x 13.00 10-HUB Pilot 5.30 inset 10-Hand Aluminum Disc.

Rear: Alcoa LVL ONE 84360 x 22.5 x 14.00 10 HUB Pilot 0.00 outset 10 -Hand Aluminum Disc, hubs steel painted black.

**Cooling System:**

OAT Extended Life Coolant (100,000 change interval) set to -34 deg. F.

Heavy duty radiator, design to provide sufficient cooling.

Steel lower radiator and oil pan guards.

"Blue Stripe" hoses.

Constant tension hose clamps for coolant hoses.

Coolant Recovery system, with steel reservoir.

**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.

\_\_\_\_\_ ✓ \_\_\_\_\_

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

\_\_\_\_\_ ✓ \_\_\_\_\_

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

\_\_\_\_\_ ✓ \_\_\_\_\_

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

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

**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 pick up, repair as necessary, and deliver the vehicle back to the City of Traverse City, at NO cost to the City.

\_\_\_\_\_ ✓ \_\_\_\_\_

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.

\_\_\_\_\_ online \_\_\_\_\_

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.

\_\_\_\_\_ ✓ \_\_\_\_\_

**BIDDER PROPOSES  
TO FURNISH**

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

✓  
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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.

✓  
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**INSTRUCTIONS TO BIDDERS:**

All bids must be submitted through a truck dealer. Truck dealer will be the one receiving the purchase order for the completed vehicle. If an equipment dealer wishes, they may submit a bid utilizing their equipment and a truck dealers truck. In so doing they will receive the purchase order and be responsible for the completed vehicle. Only one purchase order will be issued and payment will be made after vehicles are satisfactorily delivered.

**IF YOU HAVE ANY QUESTIONS, PLEASE CALL MR. DAVE COURTAD, 231-922-4900, EXT. 111. Questions should be asked BEFORE the bid is submitted.**

Bid Forms: Exceptions / Deletions - Bidder **MUST** return the attached bid forms, completely filled out. If these forms are not used the bid **WILL NOT** be considered. Bids must meet or exceed specifications. 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. The City of Traverse City reserves the right to accept or reject any or all bids, waive irregularities, and to accept the bids either on an entire or individual basis that is in the best interest of the City of Traverse City.