

**TOWN OF WILLISTON
PUBLIC WORKS DEPARTMENT
7900 WILLISTON ROAD
WILLISTON, VT 05495**

878-1239

DETAILED SPECIFICATIONS
FOR TWO (2) 35,000# GVWR MINIMUM
TRUCK CAB AND CHASSIS

Model Year 2018

March 2017

GENERAL STATEMENT

New, 2018, latest model at time of delivery, 35,000# GVWR minimum, truck cab and chassis.

To be used for: On and off highway construction and maintenance consisting of general hauling of sand, salt, gravel and other road building materials. It also will be used for winter maintenance operations including plowing, sanding and salting. Required payload: 9 tons. Truck will be equipped with an 11 foot front-mounted plow weighing approximately 2,800 lbs.: a right hand mounted 9 foot plow wing weighing about 3,000 lbs., including mounting assembly and a 6-7 cubic yard dump body and materials spreader.

The vehicles and their associated equipment must be of rugged design and construction throughout, feature ideal handling characteristics for ease of operation, and be capable of operating for sustained periods under extreme weather and operating conditions.

Manufacturer's assembly line parts coding information must be attached to each unit. The intent is to enable identification of all component parts in case of breakdowns and the need to obtain replacement parts. An operator's manual shall be provided for each vehicle.

All components, brake linings, clutch disc, etc. will be manufactured with asbestos free materials.

The vehicles must meet or exceed all applicable Federal and Vermont Laws and Regulations in force at the time of delivery. The vehicles must be completely Vermont State inspected and serviced by the vendor prior to delivery, to include steering geometry and balancing of front tires and wheels. **Vermont Registration and Title shall be included in price of vehicle.**

This proposal shall include a trade allowance for a 2011 Freightliner M2 with plow, wing and Viking Tub center chain body.

This proposal shall be submitted in a sealed envelope which shall be plainly marked: "Williston Truck Cab and Chassis Proposal". If forwarded by mail, the envelope must be enclosed in an outer mail envelope.

TRAINING

A one half day training session will be conducted for operators and maintenance personnel on the vehicle. The successful vendor is responsible for organizing the training, providing instructors and any training materials/aids at the Public Works Garage, located at 291 Avenue A, Williston, Vermont.

SPECIAL PROVISIONS

A. The normal sequence in the assembly of the completed vehicle is for the vehicle to go from the manufacturer to the truck dealer, to the snowplow system dealer, to the truck body dealer, to the Public Works Garage. This sequence may vary depending on who receives the proposal. It is the responsibility of each dealer to deliver the vehicle to the next point in the assembly of the complete vehicle. Transportation costs are to be included in the proposal. No additional costs will be paid by the Public Works Department. Payment for the 2017 Cab and Chassis will be made within 30 days of date of invoice.

B. Delivery of the cab and chassis shall be by **August 8, 2017**. For each calendar day after that date, there will be a \$100/day penalty.

C. The deadline for submitting proposals is Friday, March 31, 2017 at 1:00 p.m. local time at which time they shall be opened and read aloud in the Public Works Office of the Municipal Office Building Annex, located at 7878 Williston Road, Williston, Vermont. Any proposals received after this will not be accepted.

D. The trade vehicle will not be available to the selected vendor providing the cab & chassis until the Town receives the completed vehicle equipped with body and plow equipment estimated to be 6 to 8 weeks from delivery of the cab & chassis.

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WILLISTON, VERMONT 05495
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MINIMUM
DETAILED SPECIFICATIONS

FRAMES

FRAME to provide for a 96-102 C.A. (120,000 psi yield)
FRAME REINFORCEMENT. Heat treated single channel alloy steel (120,000 psi) with full C reinforcement. Include one (1) foot frame extensions on front of frame.

FRONT AXLES

FRONT AXLE, I-BEAM TYPE 20,000 lb. Capacity. Oil lubricated wheel bearings.
Front Shock Absorber
Power Steering (Sheppard M-100 M-80 dual power or equal)

SPRINGS

FRONT SPRINGS Heavy Duty, 20,000 lb/ Right side to be built-up to accommodate wing.
Multi-stage leaf type.

CHALMERS 10-30 Rear Suspension

REAR AXLES

REAR AXLE 23,000 lb. rated with driver controlled locking rear differential and 200 wheel ends.
Magnetic drain plug.

BRAKES

AIR BRAKE SYSTEM Dual System for Straight Truck Applications.

FRONT BRAKES, AIR CAM 16.5 X 6 Width 24 Sq. In. Chambers.

REAR BRAKES, AIR CAM 16.5 X 7 with TR3030 MGM Chambers. Spring Actuated Parking Brake. Both axles to include brake dust covers. Front & Rear

AIR DRYER Meritor-Wabco System 1200

AIR COMPRESSOR 18.7 CFM (Bendix 550)

External aluminum vehicle air tanks with pull chain type manual drain valve. The location shall not interfere with the future wing plow mounting assembly.

EXHAUST SYSTEMS

EXHAUST SYSTEMS Single, horizontal muffler and vertical tailpipe, aluminized steel.
Cab Mounted Right Side with guard. Short 45 degree pipe, electronically activated engine exhaust brake.

Exhaust system will be placed as to not interfere with body mounting (clean C.A.)

ELECTRICAL SYSTEMS

ELECTRICAL SYSTEM 12 Volt, standard equipment, with 6 Switch mounting plate mounted in cab with latched switches. Access to ground speed signal will be provided to operate sander/salter control.

ALTERNATOR brushless type, 12 volt 160 amp capacity minimum

BATTERY SYSTEM MAINTENANCE-Free (2) 12 volt 2250 CCA total, mounted, under driver's side so as to not interfere with wing mount, or all-season body discharge. Battery cut-off switch to be provided in cab and prefer under passenger side of cab.

AUXILIARY WIRE HARNESS – for front plow application.

Body Builder wiring harness to the back of cab.

FUEL TANK

FUEL TANK Rectangular, non-polished aluminum (50 U.S. Gal., 41 Imp. Gal.) Mounted on the left side under driver's door, includes center step, and stainless steel tank straps and DEF tank in same location.

CABS, BODIES

CAB Conventional, steel or aluminum. Manufacturer's standard heating and air conditioning system.

WINDOW Tinted; all windows, provide power operating windows.

18" Diameter, 2 spoke, tilt steering wheel.

MIRRORS (2) Rectangular, west-coast type, black finish heads and brackets, 16 X 7 size with 102 wide spacing including dual heated mirrors.

2 – 8" Convex mirrors mounted below regular mirrors, left and right heated heads.

2 – 8" Hood mounted convex mirrors.

Circuit breakers – manual reset (main panel) SAE Type III with trip indicators.

BLUETOOTH RADIO – AM/FM electronic tune, with digital clock, includes multiple coaxial speakers.

WINDSHIELD WIPER SWITCH – Intermittent with speed control.

TURN SIGNALS – Self-canceling.

WARNING INDICATOR, light and buzzer. Low engine oil pressure/high water temperature.

GAUGE CLUSTER - English with English electronic speedometer and tachometer, for air brake chassis. Hour meter electronic, oil pressure, water temp and voltmeter. Outside temperature gauge. In-cab air restriction gauge. Ergonomic dash also known as a wing dash.

POWER POINT For cell phone charging (DC outlet or cigarette lighter)

AIR HORN (Grover) Black, single trumpet, mounted behind bumper.

HALOGEN headlamps.

BACK-UP Alarm to meet OSHA standards.

CAB INTERIOR TRIM Premium

Molded cloth covered headliner

Dual sun visor, vinyl

Dome light switch, left door

BOSTROM OR NATIONAL DRIVER SEAT Air suspension, high back, with adjustable upper back rest, molded cloth, isolated and with adjustable lumbar support, with 1.5 restricted travel with arm rests.

PASSENGER SEAT Non-suspension, high back.

TIRES

F 2 315/80/22.5, 16 ply summer (Michelin XZY3)

R 4 11R/22.5, 16 ply winter (Michelin XDS)

No other tires will be accepted without prior approval.

WHEELS

WHEELS, FRONT DISC; 22.5 X 9 Hub-piloted 9,000 lb. rated minimum, flanged nuts; 9 DC rim, brushed aluminum.

WHEELS, REAR DUAL DISC; 22.5 Hub-piloted 7,800 lb. rated minimum; 8.25 DC Rims, brushed aluminum.

WHEEL GUARDS, both front and rear.

FRONT END

FRONT END Tilting, fiberglass with access hatches.

Paint Color – To match International truck color **6E12 Blue Metallic**

Front bumper diesel engine.

ENGINE

Minimum 315 HP minimum at 2000 RPM, 950 ft-lb torque minimum at 1200 RPM. #2 bell housing.

Extended life oil pan, magnetic drain plug.

ANTI-FREEZE Permanent, to minus 40 Degrees C

HAND THROTTLE CONTROL Electronic, variable speed, locking type.

FAN DRIVE (Horton Drive Master) Automatic, on/off type.

AIR CLEANER Single Element, with integral snow valve and in-cab control.

TRANSMISSION

Allison 3500 RDS 6 speed with push button shift control and filled with synthetic oil with the capabilities of running a constant operating hydraulic pump. **Programmed with 3rd gear hold mode.**

REAR AXLE GEAR RATIO

To maximize performance of engine and transmission in this application.

Prior to placing order with manufacturer the selected vendor shall confirm with Public Works Foreman the required gear ratio.

WARRANTY

Provide manufacturer's Standard Warranty Certification.

OPTIONS

Extended warranty for truck & suspension: 7 year, 50,000 miles or 3,400 hours on parts and labor.

| | |
|------------------|------------------------|
| Engine option #1 | 330 h.p – 950 torque |
| Engine option #2 | 350 h.p. – 1150 torque |

WILLISTON PUBLIC WORKS DEPARTMENT

**PROPOSAL SHEET
FOR**

**35,000# G.V.W. CAB AND CHASSIS
(1ST OF 2)**

MAKE AND MANUFACTURER OF VEHICLE _____

MODEL _____ MODEL YEAR _____

PRICE OF UNIT INCLUDING ALL ACCESSORIES
AND EQUIPMENT DELIVERED \$ _____

**LESS TRADE-IN ALLOWANCE OF 2011 FREIGHTLINER M2,
COMPLETE WITH PLOW, WING, AND VIKING TUB BODY**
\$ _____

NET PRICE OF UNIT INCLUDING ALL ACCESSORIES
AND EQUIPMENT DELIVERED \$ _____

ATTACH MANUFACTURER'S SPECIFICATIONS

We/I the undersigned representative of _____
having submitted this proposal, guarantee that delivery of the unit shall be made in accordance with the
specifications.

Authorized Signature

Title

Company Name

Date

The Williston Public Works Department reserves the right to reject any and all proposals or accept the proposal most acceptable to the Williston Public Works Department and to cancel any purchase in the event of late delivery.

WILLISTON PUBLIC WORKS DEPARTMENT

**PROPOSAL SHEET
FOR**

**35,000# G.V.W. CAB AND CHASSIS
(2ND OF 2)**

MAKE AND MANUFACTURER OF VEHICLE _____

MODEL _____ MODEL YEAR _____

PRICE OF UNIT INCLUDING ALL ACCESSORIES
AND EQUIPMENT DELIVERED \$ _____

NET PRICE OF UNIT INCLUDING ALL ACCESSORIES
AND EQUIPMENT DELIVERED \$ _____

ATTACH MANUFACTURER'S SPECIFICATIONS

We/I the undersigned representative of _____
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