



**TOWN OF STRATFORD  
PURCHASING DEPARTMENT  
STRATFORD, CONNECTICUT**

BID No. 2016-002

Issued : January 26, 2016

Subject : Low-Entry Refuse Truck Chassis

The Town of Stratford through the Office of the Purchasing Agent, will receive SEALED BIDS for furnishing the equipment described in the accompanying specifications, in accordance with the instructions, conditions and reservations that follow:

**A. CLOSING DATE:**

Bids will be received until 3:00 pm February 2, 2016, at which time they will be publicly opened and read. All bidders are invited to attend this public opening, which will be held immediately following the closing time specified above, in the Office of the Purchasing Agent, Room 202, Town Hall, 2725 Main Street, Stratford, CT 06615.

Any bid may be withdrawn prior to the above-scheduled time for receiving bids or authorized postponement thereof. Any bids received after the date and time specified shall NOT be considered. No bidder may withdraw a bid within 45 days after the actual opening thereof.

**B. INSTRUCTIONS:**

Bid proposals are to be submitted (**TWO COPIES**) in a sealed envelope and clearly marked with the bid number and description on the outside of the envelope, including all outer packaging (DHL, FedEx, UPS, etc).

Bids must be delivered to:

Purchasing Department  
Stratford Town Hall – Rm 202  
2725 Main Street  
Stratford, CT 06615

### **C. CONDITIONS:**

#### **Bid Surety:**

No bid surety is required.

**Payment:** Final payment will be made upon the acceptance of the completed work by an authorized representative of the Town of Stratford. NO partial payments will be made. Invoices covering the work specified herein should be forwarded to the Purchasing Department upon completion of the project.

**Taxes:** The Town of Stratford is exempt from all State and Federal taxes. Do not include these amounts in your quotation.

**Addendums:** All addendums will be posted on the town website, [www.townofstratford.com](http://www.townofstratford.com). It is the responsibility of the bidder to check the website for any addendums before submitting their bid.

**F.O.B. Destination:** All prices quoted must be net delivered to destination.

**Conflict of Interest:** No public official or employee shall, while serving as such, have any financial interest or engage in any business, employment, transaction or professional activity or incur any obligation of any nature which is in substantial conflict with the proper discharge of his/her duties or employment in the public interest.

### **D. RESERVATIONS:**

The Town of Stratford may consider informal any proposal not prepared and submitted to the Town in accordance with the provisions herein stated. The Town of Stratford reserves the right to reject any or all proposals or parts of proposals; to waive defects in same proposals; or to accept any proposal or part thereof deemed to be in the best interests of the Town of Stratford.

Michael Bonnar, Purchasing Agent

**SPECIFICATIONS:** See next page.

**2016 Model Year or Newer : Cab Over Low Entry Design ,Right Hand and Left Hand Drive Dual Sit Down Driving position to accommodate 25 Cubic Yard Rear Refuse Packer**

**Engine must comply and be certified for 2010 EPA Emission Standards. The use of Selective Catalytic Reduction (SCR) Technology shall be used. NOx 0.2 g/bph-hr. (grams per horsepower)and .01 Particulate Matter (PM) grams per horsepower at exhaust tail pipe. Diesel Exhaust Fluid (DEF) Tank and Particulate Filter (DPF) Technology. (There is No Exception to this Item)**

**GVW 72000 Lbs**

<b><u>2016 Model Year</u></b>	<b><u>Comply</u></b>	
	<b><u>YES</u></b>	<b><u>NO</u></b>
<b>Engine:</b> (No Deviations to the Minimum Specifications)		
Must Meet 2010 Federal Emission Standards (No Exception) .		
The Engine shall be an In-Line Six (6) Cylinder, Variable Geometry Turbo -Charged Diesel with Replaceable Sleeved Cylinder Liners. 11 Liter Minimum. Extended Service Intervals	_____	_____
Minimum 345 HP.Peak Horsepower at 1500-1700 RPM	_____	_____
Exhaust, DPF, Outboard, single Right Hand Side Vertical Straight Exhaust Stack With Plain End Perforated Diffuser. Also, Regeneration Control, Manual Init & Inhibit (In Motion or Stationary)		
Electronic Modules to monitor Fuel Timing, Coolant Temp., Coolant Levels And Oil Pressure.	_____	_____
Single Poly “V” Belt with Automatic Tensioner	_____	_____
Electric Engine Modules Shall Monitor Engine Components and a separate Cab control module shall be mounted inside Cab.	_____	_____
Peak Torque shall not be less than 1,280 Ft.lbs.	_____	_____
Horton On-Off Coolant Fan	_____	_____
Exhaust shall be Vertical Muffler and Tail pipe	_____	_____
Gear Driven Air Compressor 18.7 CFM Minimum	_____	_____
120 Volt Plug In Engine Block Heater	_____	_____
13” External Air Cleaner with intake inline pre-cleaner	_____	_____
-34 Degree Anti-Freeze Coolant	_____	_____
Silicone Hoses with spring Loaded Clamps for both Radiator and Heated	_____	_____
Alternator shall be 145 Amp Minimum	_____	_____
(3) 12 Volt M/F Batteries 1950CCA	_____	_____
Engine Compression Brake (No exhaust types)	_____	_____

**Engine Continued:**

Electronic Engine Shutdown System to monitor high coolant temp. ,  
Low coolant Level, Low Oil Pressure with manual override \_\_\_\_\_

Starter 12Volt 42MT 450 Electric \_\_\_\_\_

Front Crankshaft Adapter 1350 Flange for P.T.O Refuse Service \_\_\_\_\_

Electric Pre-Heater Starting Aid \_\_\_\_\_

Davco Fuel Heater and Separator \_\_\_\_\_

Fly wheel housing shall be aluminum \_\_\_\_\_

All hoses heater and coolant hoses shall be constant torque clamps with  
Shut off valve. Spring Loaded Clamps. \_\_\_\_\_

Furnish for Radiator, Oil, Power Steering, Transmission Dips sticks  
And caps to be chained. \_\_\_\_\_

Coolant Conditioner Filter. \_\_\_\_\_

Engine Oil Fill Dip Stick to read 4 Quarts Low between Add and Fill  
Marks. \_\_\_\_\_

Starter Re engagement protection while Engine is running. \_\_\_\_\_

Tether Device, Plastic Coated Cable, and Mounted Front of each battery box length  
To allow cover to set on ground \_\_\_\_\_

**Specify Engine Make and Model :** \_\_\_\_\_

**Transmission:**

Allison Automatic HD-4560P 6- Speed \_\_\_\_\_  
Allison GEN 5 (AG) Refuse with Auto Neutral \_\_\_\_\_

Two Gear Range Selectors \_\_\_\_\_

Transmission Cooler and External Filter \_\_\_\_\_

Transmission Oil Temp. Gauge \_\_\_\_\_

Must be equipped with Neutral-To-Range Inhibit Switch to prevent  
Engagement at high RPM. Also. Air Brakes must apply when shifter is  
in the Neutral position and when P.T.O is engaged to operate packer body.  
(Factory Installed No Exceptions) \_\_\_\_\_

Oil Resistant Transmission Mounts \_\_\_\_\_

Synthetic Lubricant Transynd \_\_\_\_\_

**Drive Shafts:**

Main Drive Shaft to be SPL170XL Extended Lube Series \_\_\_\_\_

Inter Axle to be SPL170XL Extended Lube Series \_\_\_\_\_

**Cab:**

**Welded Steel Cab**

Low Entry \_\_\_\_\_

74.5 inch Tall Door opening on Right Side \_\_\_\_\_

Cab Over Tilt Tab with Pump Mounted on RH. Fender \_\_\_\_\_

Right Hand and Left Hand Drive Sit Down Driving Positions \_\_\_\_\_

17 inch integral Entry Both Sides \_\_\_\_\_

T.M.C recommended instrument panel with at least 9 but not limited to the following. \_\_\_\_\_

Air pressure gauge \_\_\_\_\_

Volt Meter \_\_\_\_\_

Engine Coolant Temp. Gauge \_\_\_\_\_

Engine Oil Pressure \_\_\_\_\_

Fuel Level Gauge \_\_\_\_\_

Speed Odometer \_\_\_\_\_

Tachometer \_\_\_\_\_

Hour Meter \_\_\_\_\_

Transmission Oil Temp. Gauge \_\_\_\_\_

Low Oil Pressure Buzzer \_\_\_\_\_

Parking Brake "On" Indicator \_\_\_\_\_

Electronic Throttle Control \_\_\_\_\_

Directional Signal with Flasher \_\_\_\_\_

Exterior Grab Handles Stainless Steel RH and LH Behind Door \_\_\_\_\_

Exhaust Pyrometer Gauge \_\_\_\_\_

AM/FM CD Radio with speakers \_\_\_\_\_

**Cab Continued:**

Front Hinge Door Locking Latch in the open position	_____	_____
Emergency Kill Switch in Cab Accessible from outside Cab RH. Side	_____	_____
City electric horn	_____	_____
Brite Finish Stainless West Coast Mirrors	_____	_____
Convex Mirrors Brite Finish mounted on the Lower Brackets	_____	_____
Driver's and Passenger Seat Bostrom Air with Air Adjustable Mid Back Talladega and Black Cloth Covering	_____	_____
Interior Sun Visors both sides	_____	_____
Windshield Wipers shall be intermittent and protective cover for washer Bottle and pump	_____	_____
Each wiper motor shall be easily accessible from the exterior front area of the the cab.	_____	_____
Rear Cab Window	_____	_____
Seat Belts Height Adjustable Type. Orange	_____	_____
Storage Compartment on center console	_____	_____
C-B Posts	_____	_____
Roof Mounted Air Conditioning	_____	_____
Radio Auto Shut-Off when Transmission is shifted in Reverse	_____	_____
Twin under Cab Air Horn	_____	_____
<b>Dimensions:</b>		
173" Wheelbase	_____	_____
148" C/A Usable	_____	_____
249" Platform	_____	_____
67" Bumper to Back of Cab	_____	_____
Stationary Front Grill Steel (No Plastic Grills)	_____	_____
Skid Plate Under Bumper and Radiator	_____	_____
Flush mounted steel bumper	_____	_____
Rear Tow Hooks	_____	_____

**Frame:**

- Heat Treated Steel, 110,000-PSI Yield Strength \_\_\_\_\_
- R.B.M 2,818,000 in. lbs. per rail \_\_\_\_\_
- Frame shall have a drop or deep belly section behind Cab \_\_\_\_\_
- Full ¼” “C” Channel Reinforcement \_\_\_\_\_
- 3 piece Swept Back steel Bumper \_\_\_\_\_
- Cross-members steel ½” Bolted back of Cab and Intermediates , Below Rail \_\_\_\_\_
- Fender Mounted Front Mud Flaps 12” \_\_\_\_\_

**Front Axle:**

- Minimum 20,000 lbs. Minimum \_\_\_\_\_
- Completely sealed tapered Kingpins \_\_\_\_\_
- Forged Heat Treated I- Beam construction with dropped center section \_\_\_\_\_
- Front Suspension 20,000 lbs. Minimum \_\_\_\_\_
- Heavy Duty Front Shocks \_\_\_\_\_
- Shepherd Power Steering M100 plus R.H. Assist Cylinder \_\_\_\_\_
- Aluminum Disc Hub Piloted Rims 22 X 9.0 \_\_\_\_\_
- Tires Front Michelin XZUS2 315/65R22.5 20 ply \_\_\_\_\_
- Stemco Oil Wheel Seals \_\_\_\_\_
- Dust Shields with Inspection Hole \_\_\_\_\_
- Static Load Cushions \_\_\_\_\_

**Rear Axle:**

- 52,000 lbs. Minimum Refuse approved Cast Housings \_\_\_\_\_
- 52,000 lbs. Mult Leaf Suspension No Parabolic Type Springs \_\_\_\_\_
- Power Divider lockout feature with dash mounted control and light \_\_\_\_\_
- Bogie spacing 55" \_\_\_\_\_
- Bronze Trunion Bushings \_\_\_\_\_
- Double Reduction Gearing (No Exceptions) \_\_\_\_\_
- Rear Rims shall be Aluminum Disc 22.5 X 9.0 \_\_\_\_\_
- Tires shall be Goodyear 315/80:00 R 22.5 20 Ply G291 All Position \_\_\_\_\_
- Dust Shield Front and Rear \_\_\_\_\_
- Four (4) Double diaphragm spring chambers, two on each side \_\_\_\_\_
- Axle Ratio 4.56 \_\_\_\_\_
- Shock Insulators Urethane \_\_\_\_\_
- Brake Chambers 30/30 Type \_\_\_\_\_
- Anti-Sway Springs \_\_\_\_\_
- Stemco Grit Guard Oils Seal \_\_\_\_\_

**Specify Rear Axle Make and Model** \_\_\_\_\_

**Fuel Tanks:**

- Steel Tank minimum 80 gallon LH Side 24" Round with 4" Filler Neck Screens \_\_\_\_\_
- Locate Fuel Tank behind Cab Left Hand Fender 5" below top of rail \_\_\_\_\_
- Fuel Line Fire Resistant \_\_\_\_\_

**Air / Brakes Accessories:**

Full Air Brakes with Anti-Lock Features	_____	_____
Wabco Heated Air Dryer	_____	_____
Automatic moisture ejectors heated	_____	_____
Manual Drain Valves	_____	_____
Air Reservoirs mounted inboard and under frame rail forward of Rear Axle	_____	_____
Front Brakes 16.5" X 6" Q Style Minimum	_____	_____
Rear Brakes 16.5" X 7" Q Plus Style Heavy Duty Minimum	_____	_____
Haldex Automatic Slack Adjusters front and rear axle	_____	_____
High Mount Rear Brake Chambers	_____	_____
Air Line Nylon with Flex Lines	_____	_____
High Mounted Air Line for additional ground clearance	_____	_____

**Electrical:**

Battery Disconnect Flaming River industries "Big Switch" Mounted on or near Battery Box	_____	_____
12 Volt System negative ground with automatic circuit breakers	_____	_____
Heavy Duty Power Cable	_____	_____
A cable shall be provided to a junction box at the rear of the frame for the Body Company to access their lights, this cable should be wired to the dash Circuits.	_____	_____
Provisions for local installation of strobe lights	_____	_____
Glyptal Coated Electrical Connections	_____	_____
Battery Switch warning Light near battery Box	_____	_____
Battery Box Steel with locking tab	_____	_____
Battery Switch Warning Light on or near battery Box	_____	_____
Computer and Two Way Radio Dedicated Circuit	_____	_____

**Additional:**

Cab must be designed and warranted by the Truck Manufacture, Conversion installed Cabs will not be accepted. .

**Paint:**

Cab shall be painted with Two parts Urethane based paint per customer Specifications. White \_\_\_\_\_

Chassis: Shall be Urethane Black \_\_\_\_\_

Body Paint shall match Cab \_\_\_\_\_

**P.T.O / Special Equipment**

Crankshaft Adapter Front End Model 1350 Series Flange \_\_\_\_\_

Pump should not extend past the Bumper \_\_\_\_\_

**Warranty:**

Transmission Allison ETC 5 Years 100% Parts and Labor \_\_\_\_\_

Rear Axle 5 Years /500,000 Miles 100% Parts and Labor \_\_\_\_\_

Engine 24Month 100% Parts and Labor \_\_\_\_\_

12 months or 25,000 miles Towing on Chassis related issues  
In Addition:

60 Months / 500,000 Miles on Major Components  
Block Stiffener, Camshaft Forging, Camshaft Caps and Bolts , Connecting Rod and Cap Forging , Coolant Pump Housing ,Crankshaft Forging , Cylinder Block Castings , Cylinder Head Casting and Bolts , Engine Gears (Rear Mounted) Exhaust Manifold Casting , Flywheel Housing , Intake Manifold Casting, Main Bearing Bolts and Caps , Oil Pump Drive and Driven Gears , Timing Gear Covers and Mounting Plate.

Frame Rails and Cross members: 36 Months/300,000 Miles.

Cab Structure: 24 Months

Cab Corrosion: 60 Months

Axles: Rear Carriers and Housings and front I Beam 36 Months

Trunion Bracket and Spindle, Suspension Trunion (Except Bushings) 36 Months

State delivery time which will be taken into consideration in bid award as time is of the essence  
Attach warranty information for coverage on items \_\_\_\_\_

Option    two spare rear tires and rims  
Spare front tire and rim

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TOWN OF STRATFORD

BID SHEET

BID # 2016-002 DESCRIPTION: Low-Entry Refuse Truck Chassis

Price for Truck Chassis : \_\_\_\_\_

You must provide a detailed description including specifications of everything that is included in the bid. All exceptions and alternate options must be noted and described in detail.

Delivery: \_\_\_\_\_ days after receipt of order

References in at least three other municipalities (include contact name and phone):

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Bidder's Name : \_\_\_\_\_

Address : \_\_\_\_\_

\_\_\_\_\_

Phone : \_\_\_\_\_

Date : \_\_\_\_\_

Authorized Signature : \_\_\_\_\_

Printed Name : \_\_\_\_\_

Title : \_\_\_\_\_