



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

BID No. 2016-001

Issued : January 26, 2016

Subject : Standard 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Any bid may be withdrawn prior to the above-scheduled time for receiving bids or authorized postponement thereof.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. 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.

1. Characteristics

The truck bid must be of the latest model and satisfactory for Refuse Collection Truck for inner city operation.

BIDDER MUST MEET OR EXCEED MINIMUM SPECIFICATIONS ANY ITEM LESS THEN MINIMUM IS SUBJECT TO REJECTION.

<u>2016 or Model Year or Newer</u>	<u>Yes</u>	<u>No</u>	<u>Comments</u>
<u>A</u>			
<u>Wheelbase, Cab to Axle Dimensions</u>			
Wheelbase shall be approximately 230" and no longer than is needed to accommodate Body specified	_____	_____	
Cab to Axle 160" Useable	_____	_____	
Axle to Frame 62"	_____	_____	
<u>B. Chassis</u>			
Frame Rails 11.811" x 4.13 x .44 Steel 120,000 PSI	_____	_____	
Section Modulus 32.7cu in/RBM 4,280,0000in Per rail. Minimum	_____	_____	
Full 5MM "C" Channel Reinforcement from Front Frame Bumper to End of Frame.	_____	_____	

Engine must comply and shall be 2010 EPA certified. Mandated Federal Emission Requirements for EPA 2010 Heavy Duty Emission Standards, must meet the Nox2 limit of 0.2 g/bhp-hr. The use of Selective Catalytic Reduction (SCR) Technology. Particulate Matter .01/-g/bhp-h. (There is No Exception to this item)

<u>C. Engine-Diesel</u>			
2010 Federal Emission SCR Technology			
Selective Catalytic Reduction to include Diesel Exhaust Fluid Tank and SCR Catalyst. (No Exception)	_____	_____	
425 peak horse power. 1540-1600 lb.ft. Max torque	_____	_____	
Inline Six (6) Cylinder	_____	_____	
13 liter Minimum	_____	_____	
In Head Fuel Passages	_____	_____	

<u>D.</u>	<u>Engine Components</u>	<u>Yes</u>	<u>No</u>	<u>Comments</u>
	High pressure unit injection system	_____	_____	
	2000 bar pressure capability for fuel economy	_____	_____	
	Single overhead Cam with roller followers 4 valve Per cylinder.	_____	_____	
	Hand primer pump	_____	_____	
	Borg Warner On/Off Engine Fan Control	_____	_____	
	Electronic modules to monitor fuel timing, coolant Temperature, coolant level, and oil pressure	_____	_____	
	Single Poly Belt	_____	_____	
	Spin-on Fuel, Water and Dual (Two) Full flow Oil filters	_____	_____	
	In addition to the standard spin-on oil filtration System a lube system with two spin-on full flow			
	Spin-on coolant filter	_____	_____	
	Single variable Geometry Turbo Charger	_____	_____	
	Diesel Particulate Filter vertical right hand side Under passenger side of cab.	_____	_____	
	Exhaust after treatment system diesel particulate Filter ceramic catalyzed	_____	_____	
	DPF regeneration control fully auto in motion Manual stationary, manual inhibit	_____	_____	
	120 Volt Engine Block Heater			
	Under Cab mounted Chrome plug in Cover	_____	_____	
	130 Amp Alternator	_____	_____	
	Batteries (3) 12 Volt M/F 1950 CCA	_____	_____	
	Engine shutdown system shall be compatible with Engine specified with manual override, warning, Lights and buzzer.	_____	_____	
	Engine Brake Compression 400 hp brake power (Exhaust type Engine Brakes will not be accepted)	_____	_____	
	Air cleaner restriction gauge dash mounted	_____	_____	
	Fuel water separator with Primary and Secondary	_____	_____	
	EDM radiator and heater hoses	_____	_____	
	Maximum available cooling system compatible with engine specified	_____	_____	
	Gear driven air compressor 18.7 cfm	_____	_____	
	-37 Long Life Engine Coolant Protection	_____	_____	

<u>Engine Continued:</u>	<u>Yes</u>	<u>No</u>	<u>Comments</u>
Heavy Duty Engine Harness shall consist of a Woven wear resistant wrapping. Electrical Tape wrappings are not going to be accepted.	_____	_____	
Engine shutdown system to reduce power as condition worsens, alerts driver through yellow then red warning lights	_____	_____	
Fuel Heater	_____	_____	
12 Volt Starter	_____	_____	
Two (2) Fuel Injection Event Design	_____	_____	
Cab mounted vertical exhaust with Bite Finish	_____	_____	
Stainless Heat Shield	_____	_____	
Bug Screen Radiator mounted	_____	_____	
Body Builder , Engine , ABS or Cab Electronic Modules shall NOT be mounted under the Cab (No Exception)	_____	_____	

Bidder Specify Engine Make and Model: _____

<u>E. Transmission and Dive-lines</u>			
Allison 6 Speed Automatic Model 4500RDS	_____	_____	
With Direct Mount Transmission Oil Cooler	_____	_____	
Transynd Synthetic Fluid	_____	_____	
Transmission Temperature Gauge	_____	_____	
Drive-line Main 18MXL with coated splines	_____	_____	
Transmission Shutdown Sensor for low coolant	_____	_____	
Dash Mounted Shifter	_____	_____	
Allison Package Refuse Series	_____	_____	
Allison Program when Parking brake is applied	_____	_____	
Transmission Automatically goes to neutral	_____	_____	

Rear Axle: Mack 462 or Equal Acceptable Axles: Dana 46590D, Meritor RT-52-380

Minimum Requirement.

Rear Axle 46,000 lbs.	_____	_____
Rear Springs 46,000 lbs.	_____	_____
Axle Ratio 5.66	_____	_____
Bronze Bushings	_____	_____
Heavy Duty Double Reduction Gearing (No Exception)	_____	_____
Aluminum Rims 10 Hole Hub Piloted Severe Duty	_____	_____
Brakes Meritor Cam "P" Style 16.5 x 7 with R403 Linings (No Exception)	_____	_____
Brake Drums Rear Cast	_____	_____
Dust Shields	_____	_____
Meritor Auto Slack Adjusters	_____	_____
Spring Brake Chambers MGM Model TR-T	_____	_____
Chicago Rawhide Oil Seals	_____	_____
Rear Tires 11:00R24.5 G182RSD 16 Ply Traction	_____	_____
Spring Chambers 30/30	_____	_____
Rear Brake Chambers shall be mounted back of Rear Axle to prevent salt and sand contamination	_____	_____
Transverse Torque Rods	_____	_____

Bidder Specify Rear Axle Make and Model : _____

<u>I.</u>	<u>Yes</u>	<u>No</u>	<u>Comments</u>
<u>Air System/Brakes</u>			
Air Lines Extruded Nylon Tubing	_____	_____	
Air Brake System Dual	_____	_____	
Wabco Heated Air dryer	_____	_____	
Air control valves vendor bendix switches and Valves where possible	_____	_____	
Anti-Lock Brake System with Traction Control	_____	_____	
Automatic Heated drain valves	_____	_____	
Air tanks mounted forward of Fuel Tanks and under batteries.	_____	_____	
Manual Drain Valve with lanyard control mounted On all Tanks	_____	_____	
Hand Control Valve for Rear Service Brakes	_____	_____	

	<u>Yes</u>	<u>No</u>	<u>Comments</u>
<u>Electrical</u>			
Back-up Alarm Constant Audible	_____	_____	
Polished Aluminum Battery Box Cover	_____	_____	
Electric Circuit protection package all circuits fused and breaker protected	_____	_____	
Battery Box left hand frame mounted forward of Fuel Tank under Cab.	_____	_____	
Batteries Shall Not to be mounted in Cab or under Cab above Frame rails.	_____	_____	
Cab Identification Lights LED type	_____	_____	
Signal Flasher Transistorized Federal Mogul 250	_____	_____	
Body Link with cab floor pass through rubber boot	_____	_____	
Electrical connections water proof protective coating	_____	_____	

<u>K.</u>			
<u>Cab Conventional BBC 116"</u>			
Heavy Duty welded Steel Cab (No Aluminum Cabs)	_____	_____	
Arm rest pads driver and passenger doors	_____	_____	
Ash Tray	_____	_____	
Cab mounting dual air bag suspension	_____	_____	
Severe Duty cab mountings and brackets	_____	_____	
Custom interior to include padded doors, headliner and rear panel. (No plastic or paper material type panels)	_____	_____	
Cab to be Factory rust proofed	_____	_____	
Three (3) Overhead storage compartments	_____	_____	
With CB Radio Plate and Connections in Center	_____	_____	
4" Fender Extensions	_____	_____	
Dual Hood Air Intake Brite Finish	_____	_____	
Rear Storage pouch	_____	_____	
Brite Finish Steel Stationary <u>Radiator Mounted</u>	_____	_____	
Front Grill	_____	_____	
Brite Finish Steel Radiator Guard/Hood Must tilt without tilting Grill	_____	_____	
Two Single Mounted Roof Air Horns	_____	_____	
Dual City Horn	_____	_____	
Two speed wipers with intermittent feature	_____	_____	
Auxiliary Pneumatic Line Cab Clean Out	_____	_____	
Proximity Mirror Rectangular above passenger Door	_____	_____	
Driver Side Seat Arm Rest	_____	_____	
Self Cancelling Turn Signal Switch	_____	_____	

Cab Continued:

Heated Convex 8"Mirrors Mounted below west		
Coast Mirrors	_____	_____
Cigar Lighter	_____	_____
Fiberglass Hood	_____	_____
Heater and Air conditioner	_____	_____
Tinted Glass	_____	_____
Fold Away Stainless Steel Mirrors Brite Finish		
Heated Mirrors	_____	_____
AM/FM CD /MP3/Weather Band / Blue Tooth		
Hands Free	_____	_____
Infinite adjustable steering column Tilt / Telescopic	_____	_____
Air suspension Drivers Seat High-Back	_____	_____
Two Man Passenger Seat Low Back with Integral		
Toolbox (No Exception)	_____	_____
CB Posts	_____	_____
Seat Covering Vinyl/ Cloth	_____	_____
Replaceable Filter Cab Filtration System	_____	_____
Automatic Hood Latch when hood is opened	_____	_____
Rear Window 48"x19" with Passenger Door		
Visibility window 16 3/8 x 9 3/4	_____	_____
5lb. fire ext. and Tri angle kit mounted in cab	_____	_____
Gauge Cluster Exhaust Pyrometer, Transmission		
Gauges, Engine Oil.	_____	_____
(2) 12 Volt Auxiliary Power Outlets Dash Mounted	_____	_____
(4) Four Overhead Dome Lights	_____	_____
Power Window Control RH Side	_____	_____
Sun Visors LH/RH sides	_____	_____
Suspended Brake and Accelerator Pedal	_____	_____
Full Warning Dash Lamp Display System Central		
High mounted LCD. 8 standard gauges and 24		
Indicator lamps	_____	_____
Maintenance due indicator, Engine Hour, Ambient		
Temp. and Sweet Spot indicator.	_____	_____
Stainless Steel Exterior Sun Visor	_____	_____
Wing Style Dash for gauge accessibility	_____	_____
Internal Adjustable Cab Door Hinges shall not be		
Exposed to the weather	_____	_____
Gray Interior	_____	_____
No Multi Plex Wiring	_____	_____
Roof Mounted Brite Finish LED Clearance and		
Identification Lamps	_____	_____
Brite Finish Hood Latches	_____	_____
Brush Nickel Dash	_____	_____

L. **Paint**

Cab Exterior-Single Color –White	_____	_____
Chassis Running Gear Black	_____	_____
Rims painted White	_____	_____
Frame Rail “C” Channel shall be Factory Undercoated before assembly.	_____	_____

Auxiliary:

Parts Book and Service Manual or CD	_____	_____
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M. **Warranty:**

12 Months Towing Chassis Related Failures	_____	_____
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<u>Transmission:</u> 5 Years 100% Parts and Labor	_____	_____
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<u>Engine:</u> 5 Years/500,000 Miles 100% Parts and Labor 24 Months Towing on Warrantable Engine Failures, Block Stiffener, Cam Forging, Camshaft Caps and Bolts, Connecting Rod and Cap Forging, Coolant Pump Housing, Crankshaft Forging, Cylinder Block Casting, 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, Thermostat Housing, Timing Gear Cover and Mounting Plate	_____	_____
DPF System Components 24 Months		
DPF/SCR System Components Emission Warranty 60 months		
Road Side Assistance and Towing included	_____	_____
Cab Structure 24 Months	_____	_____
Cab Corrosion 60 Months	_____	_____

Rear Axle: 3 Years /300,000 miles to 100% Parts and Labor

Bearings, Bearing Covers, Bolts and Nuts, Bull Gear,
Carrier Housing, Mating Gear Set, Thrust Washers,
Inter-axle Driveshaft, Power Divider and Pinion Housing
Power Divider Cam, Wedges and Shift Fork, Spacers and
Shims.

Yes **No**

TELEMATICS Gateway Communication Network with Connect Diagnostics
Services. Coverage for Two Years.

Customer Assist Program for Two Years : Network Communication Program to Allow access to
Manufacture Updates , and Mechanical Assistance throughout a service Event. Email only
communication will not be accepted.

State delivery time which will be taken into consideration in bid award as time is of the essence

List Exceptions

TOWN OF STRATFORD

BID SHEET

BID # 2016-001 DESCRIPTION: Standard 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):

Bidder's Name : _____

Address : _____

Phone : _____

Date : _____

Authorized Signature : _____

Printed Name : _____

Title : _____