



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

BID No. 2014-019

Issued : March 12, 2014

Subject : One Ton 4X4 Cab & Chassis with Utility Body and Crane

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 March 26, 2014, 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Any bid may be withdrawn prior to the above-scheduled time for receiving bids or authorized postponement thereof.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:

A bid surety is not 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 bid 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 bids or parts of bids; to waive defects in same bids; or to accept any bid or part thereof deemed to be in the best interests of the Town of Stratford.

Supply detailed descriptions and specifications of all items..

2014 One Ton 4x4 Cab & Chassis Bid Specifications

	<u>Yes</u>	<u>No</u>
2014 One Ton 4x4 regular cab dual rear wheel cab & chassis	___	___
141" wheelbase/ 60" cab to axle	___	___
14,000 lb. GVWR	___	___
6.2L SOHC EFI V-8 gasoline engine. 316HP @ 4179 RPM, 397 Ft/lbs. torque @ 4179 RPM. 21 quart cooling system, 837 sq. in. frontal area radiator.	___	___
Ford TorqShift HD 6- speed automatic transmission with overdrive & tow/haul mode.	___	___
Factory heavy duty front suspension package will be included.	___	___
Minimum 6000 lb. monobeam Dana 60 front axle and computer matched coil springs. HD gas shocks, power steering with steering damper. Manual locking hubs.	___	___
Minimum 9750 lb. rear axle and springs. 4.30 limited slip rear differential.	___	___
AdvanceTrac with Roll Stability Control.	___	___
4 wheel power disc brakes with 4 wheel ABS. 13.66" front and 13.39" rear brake rotor diameter. Swept area 381.81 sq. in. front, 334.9 sq. in. rear.	___	___
Minimum 157 amp alternator, 72 amp/hr, 650 CCA battery. Factory installed upfitter switches (4) mounted in dash.	___	___
Power heated trailer tow mirrors with power windows and door locks.	___	___
AM-FM stereo w/ clock, air conditioning, gray vinyl 40/20/40 seat with fold down console. Tilt & telescope steering column, power point, windshield wipers w/ interval.	___	___
(6) LT245/75Rx17E All Terrain tires, delete tire pressure monitoring system. (6) 17" steel wheels painted argent.	___	___
Roof clearance lights, chrome front bumper, black grille, keyless entry. Exterior color to be factory white with clearcoat .	___	___
Interior color will be steel gray with black vinyl floor covering.	___	___
Electric trailer brake control factory installed, no aftermarket acceptable.	___	___
Engine hourmeter, transmission temperature gauge, tachometer.	___	___

2014 One Ton 4X4 Cab & Chassis Bid Specifications
Page 2

- Factory snowplow prep package. _____
- 40 Gallon fuel tank mounted aft of rear axle. _____
- 4- corner amber LED hide-away strobe warning lights wired to factory upfitter switch. _____
- Lighting-All necessary lighting including door operated dome light with map lights. _____
- 5lb. fire extinguisher and triangle emergency kit. _____
- Backup alarm – Electronic backup alarm with a minimum of 87 decibels. _____
- Body Paint – Utility body to painted to match cab color (white). _____
- Undercoat – Undercoat & sound deadener to be applied to bottom of utility body. _____
- Ladder rack – To be mounted on the top of left side of utility body _____
- Manuals – One set of parts and service manuals for body and crane. _____
- Bidder must be within a 35 mile radius of Stratford WPC to provide parts, Service, and warranty repairs as necessary.
- Options – to be priced separately and not included in base bid price.
 - 1) Fisher 9’ HD Minute Mount II snowplow or approved equal.
 - 2) Parts & service manuals for truck on CD-ROM
 - 3) Spray-on bedliner for floor and inside walls of utility body
 - 4) AIMS POWER 5000 watt model PWR1500012S power inverter or approved equal installed in utility body compartment. Compartment to be chosen by Stratford WPC upon award of bid.

Trade – in

The Town of Stratford is trading in a 2002 Ford F-350 with utility body/crane on this bid.
Please call 203-385-4065 to arrange inspection.

Utility Body Specifications

1. **Understructure:**
 - A. Floor width front crossmember 5" x 7" x 7 gauge formed channel
 - B. Full width rear crossmember 5" x 6.7# structural channel
 - C. Full width and floor width intermediate crossmembers (2) 5" x 6.7# structural channels
 - D. Center Frame reinforcement
 - a. (3) - 12 gauge commercial grade steel channel -- up to rear compartment longitudinal reinforcements
 - b. Rear center section 3" x 4.1# structural channels and 2" x 2" x 1/4" wall square structural tubing
2. **Floor:**
 - A. 12 Gauge 2-sided A60 coating weight pressed diamond pattern steel (Patented) installed flush with rear crossmember
 - B. Floor provides flat unobstructed load space with no 'wheel house' boxes
3. **Doors:**
 - A. Double panel construction, 1-1/4" thick
 - B. Exterior panel 18 gauge 2-sided A60 coating weight Steel
 - C. Interior panel 18 gauge 2-sided A60 coating weight Steel
 - D. Full length steel hat section reinforcement between panels, spot welded to the inner door panel and urethane-bonded to the exterior door panel
 - E. Nitrogen strut door holders with internal dampeners on vertical doors. Holds door at 90 degree open position, with adjustment to 95 degree opening
 - F. Plated chain supports on all horizontal doors -- #45 blue chrome steel sash chain combined with an 'S' hook and chain looming
4. **Door Seals: (Dual Pro®)**
 - A. 1st - 1/2" Wide Automotive quality bubble type seal with a high bond PSA heat-sealed backing mounted on door to keep dust and water out of compartment and prevent metal to metal contact between door and door frame
 - B. 2nd - Full double panel door construction having die-formed v-channels that mesh with vertical and horizontal door frame baffles to direct water away from compartment
5. **Locks:** (Lock cylinders guaranteed for life of body to original purchaser)
 - A. Stainless steel pan assembly that is bolted to door skin using (4) four hidden mechanical fasteners and protected against water intrusion by using a sealing gasket under pan flange assembly
 - B. Complete polished stainless steel rotary action for maximum corrosion protection and smooth operation
 - C. Key locking: Automotive quality, double bitted lock cylinder with O-ring seal to prevent high pressure spray from entering compartment thru cylinder assembly
 - D. Paddle type, 'free wheeling' stainless steel handle assembly in locked position for greater security
 - E. Interior removable lock covers to prevent loose items from jamming or damaging the lock mechanism and to provide serviceability of the lock and handle assembly
6. **Door Hinges: (Removable & Adjustable) (Patent No. 7,350,273)**
 - A. Hidden hinge which allows door to lap door frame on all (4) sides
 - B. 10 gauge zinc-plated steel with 1/4" stainless steel pins at pivot points
 - C. Does not require frequent lubrication or maintenance and hinges are not exposed to the elements
 - D. Securely bolted in place with 6-way adjustment
 - E. Hinge assembly is rated to a 250# capacity and have been cycle tested 60,000 cycles
7. **Door Frame & Jam Assembly:**
 - A. Unique 'J' frame design with 1/2" deep return flange for superior frame support, prevention of water intrusion & the elimination of a needed jam installed weather stripping.
 - B. Vertical door frame extends beyond door frame header in height for superior rigidity

8. **Striker Pin:**
 - A. 4-way adjustable with ribbed Allen bit head, tri-chromate washer and threaded pressure block for positive adjustment
9. **Body Sides:**
 - A. 14 gauge 2-sided A60 coating weight steel with zinc-plated corner casting reinforcement at radii rub rail for superior strength
 - B. 12 gauge 2-sided A60 coating weight steel pressed diamond pattern steel, curbside, compartment top overlay
10. **Front Bulkhead:**
 - A. Full side pack height & constructed of 16 gauge 2-sided A60 coating weight steel
 - B. Die-formed reinforcing (2) ribs thru front wall
 - C. Liquid 'flow-out' ports in lower portion of bulkhead wall assembly with rubber grommet(s)
11. **Front Panels:**
 - A. 14 gauge 2-sided A60 coating weight steel, flanged design for enhanced rigidity
12. **Second Front Partitions:**
 - A. 16 gauge 2-sided A60 coating weight steel
13. **Second Rear Partition:**
 - A. 16 gauge 2-sided A60 coating weight steel
14. **Rear Panel:**
 - A. 14 gauge 2-sided A60 coating weight steel
15. **Horizontal Compartment Base:**
 - A. 14 gauge 2-sided A60 coating weight steel
16. **Front & Rear Compartment Base:**
 - A. 14 gauge 2-sided A60 coating weight steel
17. **Wheelhouse Panel: (Flush Type & Seamless)**
 - A. 18 gauge 2-sided A60 coating weight steel with returned skirt line bottom flange turned in for superior strength & clean appearance
 - B. Blind vertical attachment seam for clean appearance and the prevention of harboring road salts and corrosives
 - C. Panel includes 1-7/8" radii returned wheel well flare for road spray control
18. **Slam Action Tailgate:**
 - A. Double panel construction with 2-1/2" x 1-1/2" boxed top rail for superior strength with lower shedding radii for tailgate hardware concealment and protection
 - B. Exterior panel 14 gauge 2-sided A60 coating weight steel
 - C. Interior panel 14 gauge 2-sided A60 coating weight pressed diamond patterns steel (Patented)
 - D. Tailgate supports and mounting brackets constructed of 10 gauge A60 coating weight steel
 - a. 1 1/4" wide x 11 gauge stainless steel removable knee braces, (1) each side (knee braces are hidden away when gate is closed by a unique channel shaped pocket)
 - b. Locking rods, hinge rods and striker channels are all stainless steel
 - c. Pickup bed style release handle in top center of gate with polished stainless steel cover
19. **Crane Reinforcing: (Max. 3,200# Capacity)**
 - A. Rear Compartment - Curbside
 - B. 1/2" steel plate top of compartment pre-drilled for a Liftmoore 2000, 2700 and 3200 series crane, if a distributor/Up-fitter would like no holes or a different hole pattern they must specify prior to placing order
 - C. (2) 4" x 4" x 1/2" structural steel angle supports under 1/2" steel plate inside top of compartment
 - D. Inside compartment lined with 3/8" steel plate on (3) sides from top down to full width structural steel channel crossmembers

- 20. **Bumper**
 - A. Bumper is A60 galvanized pressed diamond pattern steel (Patented)
 - B. Bumper securely fastened to body using bumper mounting brackets

- 21. **Outrigger Tube Assembly**
 - A. 2 1/2" x 2 1/2" x 3/16" Wall Outrigger Receiver Tube securely fastened to the rear box with reinforcing plates
 - B. Outrigger is a manual out/manual down style, installed at the curbside rear compartment of the truck body

- 22. **Shelving: (250 lb. static load capacity)**
 - A. 18 gauge G60 Minimum Spangle Galvanized steel
 - B. Removable, lock in place shelving
 - C. Slotted on 2 inch centers for divider installation and enhanced versatility
 - D. Shelving includes a 2-1/2" retention ledge for superior product containment
 - E. Shelving has multi-height adjustment

- 23. **Dividers:**
 - A. 18 gauge G60 minimum spangle galvanized steel; (40) dividers in side compartments

- 24. **Primer:**
 - A. 12 stage automotive electro-cathodic immersion prime paint system

- 25. **Undercoating:**
 - A. Entire understructure undercoated
 - B. Undercoating used:
 - a. Pure Asphalt co. #76UC metal protector / sound deadener

- 26. **Warranty:**
 - A. 6-Year Limited Warranty.

- 27. All Body Parts Are Electrically Welded Into One Integral Unit

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Utility Body Make and Model _____

Body Exceptions _____

Crane Specifications

CAPACITY: Moment rating of 12,000 Ft.-Lbs. with capacities as follows:

3600 Lbs. at 3 Ft.	1090 Lbs. at 11 Ft.
1714 Lbs. at 7 Ft.	800 Lbs. at 15 Ft.
1333 Lbs. at 9 Ft.	

*Use traveling block double line, for loads above 2000 Lbs.

HOIST WINCH: The hoist winch has a planetary gear drive for best possible efficiency. A 2.7 HP permanent magnet electric motor powers the winch. The single line capacity of the winch is 2000 Lbs. The winch load is controlled by the dynamic braking of the motor and by a load apportioned mechanical brake located in the winch drum. Ratio between the winch drum and wire rope meets ANSI requirements. The winch is reversed by 12 volt contactor, not individual solenoids. Winch performance is as follows:

Load(Lbs.)	Hook Speed(Ft./Min.)	Amp Draw
1000	13.1	64
2000	11.9	115

Note: Use double line for loads over 2000 Pounds

WIRE ROPE AND SHEAVES: The crane is supplied with 62 Ft. of ¼ In. Galvanized aircraft cable. Minimum breaking strength of the rope is 7000 Lbs. The wire rope is outside of the boom and visible for operator's continual inspection. A traveling block for easy two-part hookup is included. All sheaves meet ANSI requirements.

HYDRAULIC SYSTEM: The hydraulic pump is driven by a 12 volt DC Series Wound electric motor. A gear type pump with 1.2 GPM capacity at 500 PSI. Hydraulic functions are controlled through four way spring centered solenoid activated valves. Valves actuate at a minimum of 10 volts, have manual over-ride capabilities and are mounted on a manifold for easy access. The reservoir capacity is 1 gallon. The relief valve on the pump is set for 1800 PSI.

ROTATION SYSTEM: The hydraulic powered rotation is driven by a low speed, high torque hydraulic motor and drives through a 36:1 ratio self locking worm gear. The worm gear is an aluminum bronze alloy. The worm is hardened steel. The crane rotates 360 degree continuously without limit on two 3.75 In. ID tapered roller bearings.

BOOM ELEVATION: The boom is capable of moving from -5 degree to +75 degree. It is elevated by a 3.00 In. bore double acting cylinder. The cylinder has an integral counterbalance valve with relief set at 2000 PSI. The counterbalance valve has two vital purposes. It will hold the cylinder in the event of hose failure and it controls the rate of boom descent.

BOOM EXTENSION: Boom extends under power from 9 Ft. to 15 Ft. by a 2.5 in. bore hydraulic cylinder. The cylinder is mounted inside the boom for protection. The cylinder has a counterbalance valve integrally mounted with relief set at 2000 PSI. The counterbalance valve will hold the cylinder in the event of hose failure and also controls the rate of cylinder retraction.

LOAD SENSOR: A load limiting sensor is installed in the elevation cylinder. This sensor will shut down hoist up, boom out (power extension only), and boom down when an overload is detected. The sensor will reset after the load is lowered.

ANTI-TWO BLOCK: An anti-two block system is included on the 3612X series crane. The anti two-block prevents extending the boom against the traveling block and breaking the cable.

PENDANT CONTROL: An 18 Ft. remote pendant control is supplied with each crane. For safest possible use, the pendant control is removable from the crane and each function is controlled by a momentary contact toggle switch. An E-Stop is included that turns off all power to the crane as required by OSHA.

BATTERY CABLE: The crane is supplied with 25 Ft. of battery power cable with quick disconnects, an additional 3 Ft. ground wire, a 150 Amp circuit breaker for mounting near the battery and a master cutoff switch to be mounted near the crane.

MOUNTING: Four 0.5 in. x 2.5 in. long Grade 8 Hex Head Cap Screws are supplied for mounting. The bolt pattern is 12 in. square on a 15 in. square base plate.

ACCESSORIES: An outrigger is necessary to keep the truck as level as possible as well as reducing the load on the crane's rotation mechanism and the truck's suspension components. A boom rest is required to support the crane whenever the truck is in motion. Liftmoore can supply all of these options.

CHASSIS: Minimum recommended GVWR for mounting the 3612X is 10,500 Lbs.

Crane Exceptions _____

TOWN OF STRATFORD
BID SHEET
BID # 2014-019

DESCRIPTION : One Ton 4X4 Cab & Chassis with Utility Body and Crane

<u>Base price for truck, utility body and crane</u>	\$ _____
<u>Trade-in price</u>	\$ _____
<u>Net price</u>	\$ _____
<u>Option #1</u>	\$ _____
<u>Option #2</u>	\$ _____
<u>Option #3</u>	\$ _____
<u>Option #4</u>	\$ _____

Attach a copy of the description and specs of the vehicle and all other equipment.

Vendor shall note in writing any deviations from the bid specifications. Failure to do so may be just cause for rejection of vendor's bid as being nonresponsive.

Delivery : _____ days after receipt of order

Bidder's Name : _____

Address : _____

Phone : _____ Date : _____

Authorized Signature : _____

Print Name: _____

Title : _____

References (at least three) :
