



CITY OF TORRINGTON REQUEST FOR BID

BID # TRK-028-062507 TWO PLOW TRUCKS

Date of bid opening: June 25, 2007 Time: 10:00am
Location: Room 109A, City Hall

Bid Bond or Certified Check required with bid: 5%

Submit an original bid and a duplicate copy.

The City of Torrington reserves the right to accept or reject any or all bids or any portion thereof, to waive technicalities, and to award the contract as will best serve the public interest.

Omit State and Federal Taxes.

All prices must be F.O.B.: Destination (Torrington) unless otherwise requested.

Dated in Torrington: Purchasing Agent _____
Charlene R. Antonelli, CPPB

| Item | PRICE |
|---|----------------|
| TWO SNOW PLOW TRUCKS PER SPECIFICATIONS | \$ _____ each |
| | \$ _____ TOTAL |

The Purchasing Agent is authorized to offer City based bidders that exceed the lowest bid by up to 6%, the opportunity to match the lowest bid. A City based bidder within the 6% differential who agrees to accept the amount of the lowest bid will be awarded the bid. When multiple City based bidders agree to accept the amount of the low bid then the City based bidders will be invited to submit a new bid, not to exceed the low bid. The bid will then be awarded to the lowest responsive, responsible bidder.

Bid Submitted By: _____

Name of Company _____
Address _____

Signature

Title

Phone _____ Fax _____

Date _____

Delivery Date _____

E-mail _____

Web Page _____

Comments: _____

CITY OF TORRINGTON PLOW TRUCK SPECIFICATIONS

INSTRUCTIONS TO BIDDERS

Sealed bids will be received by the Purchasing Agent, Room 109A, 140 Main St., Torrington, CT until the time and date specified on the cover sheet and opened thereafter in the Purchasing Department, Room 109A. Bids received later than the time specified will not be accepted. Amendments to or withdrawal of any section of the submitted bid received later than the time & date set for the bid opening will not be considered. Bid proposals must remain in effect for a minimum of 30 days unless otherwise noted elsewhere in the bid specifications.

BID DOCUMENTS: are available over the Internet on the City's web page, under "open bids", www.torrington-CT.org. Businesses without internet access may contact the Purchasing Department at 860-489-2224 for the bid documents. Any alleged oral agreement made by a bidder or contractor with any agency or employee of the City of Torrington will be disregarded.

FREIGHT: Prices quoted shall be net delivery **F.O.B. Torrington, CT**. All bid prices must include prepaid delivery, assembly, and/or installation (ready for operation and/or use) of all equipment and/ or materials to the individual locations(s) as designated by the Purchasing Agent. All bid prices are to be submitted on the sheets provided on this bid. Quantities and pricing are to be listed in accordance with these sheets.

EXPARTE COMMUNICATION: Please note that to insure the proper and fair evaluation of a bid, the City of Torrington prohibits exparte communication (i.e., unsolicited) initiated by the Bidder to a City Official or Employee evaluating or considering the bids prior to the time a bid decision has been made. Communication between Bidder and the City will be directed in writing to the Purchasing Agent only. The Purchasing Agent will obtain the information or clarification needed. Exparte communication may be grounds for disqualifying the offending Bidder from consideration or award of the bid and repeat offenders may be disqualified from future bids.

QUESTIONS: Request for interpretation of any portion of the bid shall be made to the Purchasing Agent at (860) 489-2225. All replies will be given verbally and a copy of any such inquiry and advice (if deemed vital to the bid by the Purchasing Agent) will be made available to each prospective bidder. Bidders should check the web site for addendums/updates 48 hours prior to the bid opening.

In the event of receipt of identical bids as to offerings, delivery, service, content, price, etc., the bid will be awarded in accordance with the information contained in the bid document, based on first received as to date and time of receipt of the bid.

NON-COLLUSION STATEMENTS: In order for bids to be considered, a non-collusive statement must be submitted with the bid. A sample non-collusive bid statement is attached. Bidders may elect to submit their own notarized non-collusion statement.

CONDITIONAL, QUALIFIED OR NON-RESPONSIVE BIDS/PROPOSALS: All bids/proposals shall be submitted in the form and manner as indicated by the bid documents and bid forms. Any proposal which is not submitted in the form and manner indicated by the bid documents or which contains information, statements, conditions, or qualifications which place conditions or qualifications on the proposal submittal for purposes of making an award, or which alter any proposal terms, conditions, specifications, or forms, which has not been previously approved by written addendum from the Purchasing Agent, or which does not meet legal requirements, shall be declared as a qualified, conditional, or non-responsive proposal and shall be rejected without further consideration. Any proposal response that does not fully respond to and comply with all detailed specifications or requests for information including execution of proposal forms, may be declared "non-responsive" and recommended for rejection. The City of Torrington shall not be responsible for any errors or omissions of the Offeror.

UNBALANCED BIDS AND/OR EXCESSIVE LINE ITEM PRICES: The City reserves the right to reject any bids in which unit prices, in the sole opinion of the City, are unbalanced. In addition, where the City has decided to make an award, it further reserves the right to non-utilize a particular line item that in the sole opinion of the City is excessively priced, and reserves the right to obtain that item from another source.

CONTRACT: A response to an Invitation To Bid is an offer to contract with the City of Torrington based upon the terms, conditions, and specifications contained in the City's ITB. Bids do not become contracts unless and until executed by the City, eliminating a formal signing of a separate contract. For that reason, all of the terms and conditions of the contract are contained in the ITB, unless any of the terms and conditions are modified by an ITB Amendment, a Contract Amendment, or by mutually agreed terms and conditions in the contract documents.

TAXES: Omit all State and Federal taxes from the bid. The City of Torrington is exempt from the payment of taxes imposed by Federal government and/or the State of Connecticut.

OWNERSHIP OF DOCUMENTS: All documents, including drawings, plans, specifications, videotapes, or other documents or maps prepared by a contractor pursuant to any agreement arising from this bid shall become the property

CITY OF TORRINGTON

PLOW TRUCK SPECIFICATIONS

of the City of Torrington upon completion of the project or any termination of the project prior to the completion of the project.

LEGALITY: All bid offers for commodities, work, materials, or equipment hereunder shall comply in every respect with the laws, specifications and requirements of the State of Connecticut and the Federal government. Contractor will comply with the provisions of the Connecticut Fair Employment Practices Law.

LANGUAGE DISPUTES: Any disputes over the interpretation and/or meaning of any individual terms, conditions, and/or language within this Request for Bid/Proposal document shall be resolved by and at the sole discretion of the City Purchasing Agent in a manner that is in the best interest of, and best advantage to, the City of Torrington, provided any such interpretation shall be reasonable. In the event that an individual term, condition, and/or language/wording is determined at any time, including after award, by the City Purchasing Agent to be "not applicable at all" to his contract, then the term, condition, and or language/wording may be disregarded, even though an addendum is not issued. However, if the Purchasing Agent determines that the term, condition, and/or language/wording "is applicable in part", then the term, condition, and/or language/wording will apply to the degree applicable, even though an addendum is not issued.

RESPONSIBILITY: The Contractor shall save the City of Torrington, its agents or employees, harmless from liability of any kind for all claims of labor payments and materials furnished for this work, and for use of any copyrighted or uncopyrighted composition, secret process patented or unpatented invention, article or application furnished or used in the performance of the contract of which the Contractor is not the patentee, assignee, or licensee. The successful bidder agrees to indemnify and hold harmless the City of Torrington, its agents and employees from any and all liability arising out of the successful bidders' operations, functions and/or supplied items.

The successful bidder, vendor, and/or contractor must protect all property of the City of Torrington (i.e. all floors, furniture, grass, land, etc.) from injury or other damage. Any damage so caused must be repaired by contractor/vendor at his/her own expense. At the completion of work, the vendor and/or contractor must remove from the premises all surplus materials and all debris created by same. The premises must be left in a broom-clean and finished condition acceptable to the owner or its agents. Successful bidder will furnish adequate protection from damage for all work and to repair damage of any kind; for which he or his workers are responsible, to the premises or equipment to his own work or to the work of other contractors.

DEFAULT: It shall be understood that a bidder supplying equipment and/or supplies will be considered to be in default if/when they have not delivered the item(s) within the time constraints listed in this document or subsequent purchase orders and/or contract. Bidders providing a service and/or construction will be considered to be in default if/when they have failed to meet the completion date set forth in this document or its subsequent contract and/ or purchase orders and/ or they have ceased work on the project for a period of fifteen (15) working days, cumulative or consecutive.

SUSPENSION AND DEBARMENT: The Purchasing Agent may suspend or debar the right of a vendor to be included on the vendor list and has the authority to reject any bid or response from any suspended or debarred vendors.

Suspension: A vendor may be suspended based on the following:

- 1) A vendor defaults or fails to fully comply with the conditions, specifications, or terms of a Bid, Quotation, Proposal or Contract with the City of Torrington.
- 2) A vendor commits any fraud or misrepresentation in connection with a Bid, Quotation, Proposal, or Contract with the City of Torrington.
- 3) A vendor is charged by a court with the commission of a criminal offense as incident to obtaining or attempting to obtain a public or private contract or sub-contract, or in the performance of such contract or sub-contract
- 4) A vendor is charged by a court with the following: embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, or any other offense indicating a lack of business integrity or business honesty which currently, seriously, and directly affects responsibility as a City contractor. If charges are dismissed or the vendor is found not guilty, the suspension shall be lifted automatically upon written notification and proof of final court disposition provided by the vendor to the City of Torrington.
- 5) A vendor becomes insolvent, has proceedings in bankruptcy instituted against it or, compounds its debts or assigns over its estate or effects for payment thereof, or has a receiver or trustee appointed over its property.
- 6) A vendor's commission of any act or omission to perform act is grounds for debarment.
- 7) A vendor violates the ethical standards set forth in local, state, or federal law.
- 8) Any other cause the Purchasing Agent determines to be so serious and compelling as to materially and adversely affect responsibility of a vendor as a City contractor, including but not limited to suspension by another government entity

Debarment: A vendor may be permanently debarred for the following:

- 1) Default or failure to fully comply with the conditions, specifications, drawings, or terms of a bid, proposal, or contract with the City of Torrington twice in any three-year period.
- 2) Conviction of or judgment obtained in a court for commission of those offenses in connection with the vendor's commercial enterprise stated sections 3) or 4) of suspension section listed above. If the conviction is reversed through the appellate process, the debarment shall be removed upon written notification and proof of final Court disposition from the vendor to the City of Torrington.

CITY OF TORRINGTON

PLOW TRUCK SPECIFICATIONS

TRADE NAME REFERENCES: Any and all references to trade names, types, styles, model numbers, stock numbers or catalogs are intended to be descriptive only and not restrictive. The intention is to indicate to bidders the type and quality of the articles and or materials that will be satisfactory. When reviewing the information, it is the responsibility of the prospective bidder to inform the City of Torrington of any discrepancy that is found (i.e. number listed does not fit item description) Bids received on other makes or models with reference to other catalogs will be considered. The bidder is to clearly state in his bid exactly what he intends to furnish and to furnish with his bid a cut or illustration or other descriptive matter that will clearly indicate and give specification as to the product he/she proposes to furnish. Where a bid is offered on an item other than the trade standard used in the specification the item should be identified on the bid form by entering the MAKE, TRADE NAME AND MODEL NUMBER. It is understood that any substitute and/or alternate that might be offered are guaranteed by the bidder to be of equal or better quality than is referenced in the bid. The item(s) must be equivalent as to function, basic design, type and quality of material, method of construction and any required dimensions. It shall be further understood that during original as well as subsequent shipments spot checks will be performed to insure that the items received are in fact the items offered in the bid. When received, should items/materials prove to be different from what was bid in any way, the bidder agrees to the return of the items and agrees to supply correct items (per bid specifications) at the bidders expense. In the event this return action is required, it is understood the bidder may be subject to removal from the city's approved bidder's list. Bidders are cautioned that surplus, seconds, factory rejects, floor samples, close outs or distressed items are not acceptable and shipments of substitutions, defective or shop-worn equipment will be returned for a full refund at the vendor's expense.

QUANTITY: The quantities and/or materials listed in the specifications/bid sheets may be increased or decreased by the City of Torrington or its designated representative based on actual need at the time the purchase orders are placed.

QUALITY: The City of Torrington reserves the right to reject any proposal in whole or in part offering equipment and/or materials and/or services that in its or its agents opinion does not meet the quality standards desired. Such decision is final and not subject to further recourse by the bidder.

SAMPLES: forwarded by the bidder will be returned to the bidder at his request and expense. Requests for return of samples must be submitted in writing at the time the sample is given to the City of Torrington or its representative. Samples not returned to the bidder will be disposed of at the discretion of the City of Torrington or its designated representative. Large pieces of equipment submitted for evaluation and inspection are to be picked up by the bidder within 30 days of the bid opening date. Items remaining with the City of Torrington after 30 days will be discarded.

AWARD: It is the intent to award this bid in its entirety to one bidder, however, the City reserves the right to award the bid line item by line item if it is deemed in its best interest to do so. In addition, bidders are advised that should budgetary constraints dictate, part, and/or all the items in this bid may be rejected. This decision shall be considered final and not subject to recourse by the bidder.

In determining the lowest or highest responsible bidder, the City reserves the right to consider, in addition to price, the compatibility, quality, cost of maintenance and availability of parts, experience and/or past performance of the bidder, sufficiency of the financial resources of the bidder as relates to the offerings as well as the ability of the bidder to provide future maintenance and service.

Documents previously submitted to the city of Torrington will not be considered as satisfying submission requirements for this bid.

No bidder can claim any contract rights by virtue of bidding alone. Awarding of the contract means actual written notice by letter and a properly executed purchase order to the bidder or bidders to whom the bid has been awarded.

OPTION TO RENEW: This contract may be extended for four (4) additional one (1) year periods, provided all terms and conditions remain in full force and effect except for the contract period being extended. This option, if exercised, is to be executed in the form of a letter of agreement, to be issued no later than 60 days prior to the expiration of the then current contract period. This option to renew requires the mutual agreement of both parties. Refusal by either party to exercise this option to extend, will cause this contract to expire on the original or mutually agreed upon date. The total period of this contract, including all extensions as a result of exercising this option, will not exceed a maximum combined period of five (5) years.

BONDS:

Performance Bond: The Contractor, when awarded the Bid, must submit within 10 days of the bid award, and before beginning the work or signing a contract, a Performance Bond amounting to one hundred percent (100%) of the total amount of the bid. Said performance bond must be in favor of the City of Torrington and executed by a surety company authorized to do business in the State of Connecticut. The City of Torrington reserves the right to retain the Bid Bond or Certified Check on bids below \$25,000.00 as a Performance Bond. On bids of \$25,000.00 or more the Performance Bond may be furnished in the following manner: Performance Bond, Surety Bond, Certified Check, Bank Check, Savings Account in both the City & Vendor's name or Letter of Credit

Maintenance Bond: The contractor, upon signing a contract and before beginning the work, must submit to the Purchasing Agent a Maintenance Bond to guarantee that if defects in either labor or materials becomes evident within one year after completion and acceptance of work will be fixed at no cost to the City of Torrington. The maintenance bond may be included as a portion of the Performance bond or as a separate bond. If it is issued as a separate bond

CITY OF TORRINGTON PLOW TRUCK SPECIFICATIONS

said maintenance bond must be in favor of the City of Torrington and issued by a surety company licensed and authorized to do business in the State of Connecticut.

Labor and Material Bonds: Per Section 49-41 of the Conn General Statutes, on Public Works project where the estimate is in excess of \$25,000.00, a labor (payment) and material bond must be furnished to the City. Said bonds must be filed with the Purchasing Agent prior to the commencement of work.

Consent for Release of Final Payment: AIA Document G707 & G706, or equivalent, must be signed and returned by the Surety Company before final payment will be released to the contractor.

INSURANCE:

Certificate of Insurance: All insurers must have an AM Best rating of A-V11 or better and admitted to do business in the State of Connecticut. All insurance policies must include a Waiver of Subrogation whereby the insured waives its right to subrogate against the City, its subsidiaries, employees, volunteers, directors and officers. Proof of proper insurance coverage, Workers Compensation Insurance, Liability and Property damage, and Vehicle Insurance shall be filed with the City of Torrington Purchasing Agent within 10 days after the award of the bid. The Certificate of Insurance must name the City of Torrington, 140 Main St., Torrington, CT, its subsidiaries, employees, volunteers, directors & officers as the **additional insured** and filed with the Purchasing Agent ten (10) prior to commencement of work. Renewal Certificates of Insurance must be mailed to the Purchasing Agent 10 days prior to the expiration of the required coverage.

Workman's Compensation Insurance: The Contractor shall take out and maintain during the life of the contract adequate Workman's compensation Insurance for all the employees employed on said work. In case any class of employees or subcontractors is engaged in hazardous work under the contract at the site of the work is not protected under the Workman's Compensation statute, the contractor shall provide Workman's Compensation Insurance for the protection of employees not otherwise protected.

Liability Insurance: The Contractor shall take out and maintain for the life of the contract, adequate public liability insurance insuring against liability to persons not employed by him in an amount of not less than \$1,000,000.00 for injuries, wrongful death to any one person and subject to the limit for each person in an amount of not less than \$2,000,000.00 on account of one accident and property damage insurance in an amount of not less than \$1,000,000.00.

Vehicle Insurance: The Contractor shall take out and maintain for the life of the contract, adequate automotive/truck or other vehicle insurance with minimum coverage of \$1,000,000.00 each for both liability and under insured and uninsured motorist as well as any other coverage required by the State of Connecticut or requested by an official of the City of Torrington as relates to the contract.

Additional Security: The City of Torrington reserves the right to require successful bidders to enter into and such security arrangements as are deemed necessary to protect the City of Torrington, its property and goods.

PERMITS: The successful bidder agrees to obtain all work/building permits as might be required. The cost of obtaining such permits is the responsibility of the bidder. The City of Torrington reserves the right to waive local permit fees. In addition, it shall be understood that where property lines are to be considered, bidders are to verify said lines and measurements with proper City Officials prior to commencement of work. It is to be understood that any/all specifications and/or plans or drawings contained in or developed as a result of the bid process are and shall be presented subject to the approval of the City of Torrington planning, zoning and building officials and that awards made prior to said approval are subject to cancellation.

PREVAILING WAGE: When the State of Connecticut Prevailing Wage Rate is applicable to the bid, the successful bidder must submit a Certified Payroll Record prior to any request and/or invoice for payment.

CITIZENSHIP: Each employee of the Contractor shall be a citizen of the United States or an alien who has been lawfully admitted for permanent residence as evidenced by an Alien Registration Receipt Card. The Contractor agrees not to employ any person undergoing sentence of imprisonment except as provided by Public Law 89-176, September 10, 1965, (18 USC 4082)(c)(2).

SAFETY:

Machine and/or Equipment Hazard Assessment and Safety Training: Upon delivery of machines and/or equipment, suppliers are required to provide to the end-user employees, at no additional charge, a training session that will emphasize hazard awareness and assessment and the safe use of such machinery/equipment.

Occupational Safety and Health Act of 1970: Seller shall warrant that the machinery, equipment or other materials covered hereby shall upon delivery to the City of Torrington, be in compliance with the standards required by said Act and any updates as pertain to or reference said Act as well as the standards required by comparable State and local laws, if any, for such machinery, equipment or other materials in effect at the time of delivery.

Machines and/or Equipment Lockout/Tagout: In an effort to comply with OSHA's final rule on the control of hazardous energy sources, vendors must warrant that any and all machines and/or equipment as is covered under this bid will be supplied and/or installed equipped with lockout/tagout devices as prescribed by OSHA.

CITY OF TORRINGTON PLOW TRUCK SPECIFICATIONS

Toxic Substance Control Act (PL94-469): Seller warrants that each and every chemical substance constituting or contained in the products sold or otherwise transferred to the City of Torrington under this bid and subsequent purchase orders is not on the list of prohibited chemical substances compiled and published by the Administrator of the Environmental Protection Agency pursuant to Act PL94-469 and are otherwise in compliance with said Act.

Hazardous Materials: Any materials required by this bid and subsequent purchase orders that are hazardous under federal, state, or local statute, ordinance, regulation, or agency order will be packaged, labeled, marked and shipped by the seller to comply with all federal, state and local regulations then in effect including but limited to the provisions of the Hazardous Materials Transportation Act and Regulations promulgated thereunder and will further comply with any special requirements and any policies and procedures of the City of Torrington relating to the purchase of hazardous materials as might be noted on subsequent purchase orders or otherwise communicated to seller in writing.

Material Safety Data Sheets: Shall be provided by the Seller upon delivery to the City of Torrington of any goods having constituents listed in the following references - OSHA 1910, ACHIG Current Threshold Values, DOT HazMat Table 49, IARC Carcinogen List, National Toxicology Program Carcinogen List, and/or Radioactive Materials. These Material Safety Data Sheets must be consistent with and include information required by the OSHA Hazard Communication Standard published as 29 CFR 1910.1200, as the same may be amended or supplemented from time to time.

Asbestos: Bidders are advised that asbestos-containing material may be located in the boiler rooms, pipe tunnels, storage areas and various portions of City buildings. Before proceeding on any contractual work on City buildings or their interiors, it is mandatory that bidders familiarize themselves with the asbestos-containing material and that said material be considered as a health hazard and all precautionary measures according to the Ahera Rules & Regulations be observed. It is the bidder's responsibility to notify all employees and/or subcontractors of this notification.

SUBCONTRACTORS: The successful bidder shall not employ any subcontractor to fulfill any of the duties herein specified without express, prior written approval of the City of Torrington or its designated agent.

EEO: The successful bidder shall provide any/all additionally required, affirmative action statements, fair employment plans and non-discrimination programs and statement as might be required by the City of Torrington. In connection with the execution of this bid, subsequent purchase orders and/or contracts, the seller shall not discriminate against any employee or applicant for employment because of age, race, religion, color, sex or national origin. Bidders must comply with all rules & regulations of the Department of Labor with regard to Equal Employment Opportunities as pertains to municipalities.

TERMINATION OF CONTRACT: Any contract entered into by the City and the successful bidder shall provide that the City may terminate the contract upon thirty (30) days notice to the bidder.

The City of Torrington reserves the right to award or reject any or all bids, or any portion thereof, to waive technicalities, and to award the bid and/or contracts to one or more bidders submitting essentially identical proposals and, that in the city's judgment, will best serve the public interest. The terms and conditions of these "Instructions To Bidders" are made a part this bid.

**CITY OF TORRINGTON
PLOW TRUCK SPECIFICATIONS**

SAMPLE FORM

Bid # _____

NON-COLLUSION AFFIDAVIT

STATE OF _____ COUNTY OF _____

I, _____, being first duly sworn, deposes and says that:

1. I am _____ of _____, the bidder that has submitted the attached request for proposal for _____;
2. I am fully informed respecting the preparation and contents of the attached RFP and of all pertinent circumstances respecting such bid;
3. Such Bid is genuine and is not a collusive or sham Bid;
4. Neither the Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties of interest, including this affiant, has in any way colluded, conspired, connived or agreed directly or indirectly with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the work for which the attached Bid has been submitted nor has it in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit or cost element of the Bid price or the price of any Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Torrington or any person interested in the proposed Bid; and
5. The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

Signed _____

Title _____

Subscribed and sworn to before this
_____ day of _____, 20____.

Notary Public

My commission expires _____

**CITY OF TORRINGTON
PLOW TRUCK SPECIFICATIONS**

SAMPLE FORM

BID # _____

CONSENT OF SURETY COMPANY TO RELEASE FINAL PAYMENT

City
Architect
Contractor
Surety
Other

PROJECT/BID NUMBER :

TO: City of Torrington
Attn: Purchasing Agent
140 Main Street
Torrington, CT 06790

CONTRACTOR: _____

In accordance with the provisions of the Contract between the City of Torrington and the Contractor as indicated above, the (insert name & address of Surety Co.)

_____,
SURETY COMPANY on bond of (insert name & address of Contractor) _____, CONTRACTOR, hereby approves of the final payment to the Contractor, and agrees that final payment to the Contractor shall not relieve the Surety Company of any of its obligations to the CITY OF TORRINGTON as set forth in the Surety Company's bond.

Subscribed and sworn to before this
____ day of _____, 20__.

Notary Public

Surety Company

Authorized Representative's Signature

My commission expires _____ Title

CITY OF TORRINGTON PLOW TRUCK SPECIFICATIONS

TECHNICAL SPECIFICATIONS BID # TRK-028-062507

TRUCKS ARE TO BE 2007 PRE EMISSION MODELS

A. GENERAL SPECIFICATIONS:

1. GVWR: 33,000
2. WB 152.0"
3. CA 84.9"
4. Truck must meet the CONN-OSHA noise requirements.
5. Truck to be equipped with a Beka-Max lube system this system can be supplied and installed by Lubrication Technologies, Inc. 168 Windsor Street West Springfield, MA 01089-3530. Both the truck supplier and the body and equipment supplier will work with Lubrication Technologies to assure the lubrication needs and number grease points for there equipment are met.

B. FRAME:

1. Rails, High strength low alloy steel (120,000 PSI yield).
2. 10.250" x 3.610" x 0.375".

C. AXLES:

1. **FRONT:**
 - a. Non-driving, I-beam type, 10,000 lb capacity.
 - b. Springs parabolic, taper leaf; 10,000 lb capacity.
 - c. Power steering with a Sheppard M-100 steering gear.
 - d. 18" 2- spoke steering wheel.
2. **REAR:**
 - a. Single reduction Dana Spicer S23-170D
 - b. Capacity 23,000 lbs w/"R" wheel ends.
 - c. Gear ratio 6.14.
 - d. Axle will be equipped with a Driver Controlled Locking Differential
 - e. Magnetic drain plug.
 - f. Suspension Vari-Rate springs 31,000 lb capacity with 4,500 lb rubber auxiliary spring.

D. BRAKES:

1. Front brakes 15.0" x 5.0" Air S-Cam w/MGM long stroke brake chambers.
2. Rear brakes 16.5" x 7.0" Air S-Cam w/MGM TR3030 long stroke brake chambers.
3. Air Compressor Bendix Tu-Flo 550 13.2 CFM.

**CITY OF TORRINGTON
PLOW TRUCK SPECIFICATIONS**

4. Dust shields both front and rear.
5. Brake system, Air dual system for straight truck applications.
6. Air pressure gauges located in instrument cluster air 1 and air 2 gauges.
7. Automatic slack adjusters both front and rear.
8. Parking brake, spring actuated rear brake chambers.
9. Bendix Antilock Brake System, Full vehicle wheel control system (4-channel).
10. Air Dryer, Bendix AD-9 w/heater.
11. Brake lines color coded nylon.

E. ENGINE:

1. Diesel wet sleeve 285 HP, 800 lb-ft torque @ 1,200 RPM minimum.
2. Calculated geared speed approximately 65 MPH.
3. Exhaust braking.
4. Exhaust system, single stainless steel muffler w/internal catalic converter, vertical tail pipe with guard; frame mounted on right side of truck.
5. Radiator aluminum cross flow w/nylon fan.
6. Radiator hoses premium rubber.
7. Heater hoses premium rubber.
8. Air cleaner restriction gauge.
9. Fuel/water separator
10. Engine shut down key operated
11. Engine drain plug magnetic
12. Fan drive Borg-Warner SA85 viscous screw on type.
13. Hand throttle engine speed control.
14. Air cleaner single element.

F. ELECTRICAL:

1. 12 VOLT
2. Circuit breakers w/manual reset replaces all fuses except for 5-amp.
3. Single electric horn.
4. Electric windshield wiper w/2 speed and intermittent feature.
5. Cigar lighter.
6. Alternator Leece-Neville 110 amp.
7. Batteries (2) 12 volt maintenance free.
8. Body Builder wiring; includes sealed connectors for tail/amber turn/marker backup/accessory power/ground and sealed connector for stop/turn. Located back of standard cab at left frame.
9. All lights wherever possible will be LED. Lighting package for entire truck will be presented at time of bid opening.
10. Trailer connection socket mounted at rear of frame, wired for turn signals combined with stop, compatible with trailers that use combined stop, tail, turn signals.
11. Toggle switch for work light, lighted on instrument panel wired to back of cab.

CITY OF TORRINGTON PLOW TRUCK SPECIFICATIONS

12. Headlights halogen, composite aero design for two light; includes daytime running lights.
13. Starting motor Leece-Neville; less thermal over-crank protection.
14. Radio AM/FM stereo w/weatherband, clock, and multiple dual cone speakers.
15. Engine control, remote mounted provision for; wiring for body builder installation of PTO controls; with ignition switch control for CEC II electronic engines.

G. TRANSMISSION:

1. Allison automatic; Allison 3000_RDS_P close ratio, 6-speed w/overdrive.
2. Transmission includes oil level sensor and PTO provision.
3. Transmission oil pan magnet.
4. Transmission shift control Allison Push Button Controlled.
5. Allison spare input/output for rugged duty series (RDS).
6. Synthetic oil.

H. FUEL TANK:

1. Fuel tank top draw; D style, steel, 50 U.S. gal. W/quick connect outlet, mounted left side under cab.
2. Fuel lines nylon tubing w/O-Ring Snap-On quick connect fittings at both ends.

I. CAB:

1. Conventional steel.
2. Five clearance lights LED if possible.
3. Floor covering black rubber with additional “catch-all” style floor mats on both drivers and passenger sides.
4. Tinted glass
5. Gauge cluster speedometer, odometer w/miles, engine hours, engine oil pressure, water temperature, fuel, tachometer, voltmeter, transmission oil temperature (Allison Transmission).
6. Warning system low fuel, low oil pressure, high engine coolant temperature, and low battery voltage.
7. Air cleaner restriction gauge mounted in instrument panel.
8. Drivers seat will be National 2000 air suspension, high back w/integral headrest, vinyl, isolated, w/2-position front cushion, and lumbar support.
9. Seat belt 3-point, lap and shoulder belt type.
10. Mirrors Lang Mekra rectangular 7.44” x 14.84”, breakaway bracket type, and w/7.44 “sq. convex, on both sides, w/all heads heated and thermostatically controlled
11. Chrome grab handle w/anti-slip rubber inserts on left side only.
12. Heater with defroster and silicone hoses.
13. Deluxe cab interior trim.
14. Air horn Grover single trumpet.
15. Hood front-end tilting, fiberglass hood, with stationary grille.
16. Steering column shall be of the tilt type.
17. Air Conditioner w/integral heater defroster.
18. Front bumper will be steel full width.

CITY OF TORRINGTON PLOW TRUCK SPECIFICATIONS

19. Paint color will be Omaha Orange.

J. WHEELS:

1. 22.5" front disc, 10-stud hub piloted w/flanged nuts.
2. 22.5" dual rear wheels, 10-stud hub piloted w/flanged nuts.
3. Front wheels will be oil lubricated.

K. TIRES:

1. Front 10R22.5 Goodyear G149, load range F, 12 ply.
2. Rear 10R22.5 Goodyear G124 M+S, load range F, 12 ply.

L. MANUALS:

1. Complete operators, parts and service manuals will be supplied with truck.

PLOW TRUCK BODY, PLOW FRAME, HYDRAULIC SYSTEM

PLOW

The Plow Hitch will be a Viking-Cives low profile tilt over type with ½" check plates bolted to the frame outside the chassis rail and extending back to the centerline of the front axle. The plow hitch will not extend more than 10" from the grille. The hitch will have 30.5" O.C. push points with ¾" thick ears. The push heights will be 14" to 18" from ground to center of the pin. The plow lift cylinder is 4x10 double acting.

The plow lights will be hood mounted on aluminum stands and all wiring will be cut, spliced soldered and shrink wrapped.

The plow will be a Larochele Model 1038 TE 10' length by 38" height trip edge design.

BODY

The body will be a Heil TBEI stainless steel sidewinder. Sides, front and cabshield will all be 10 gauge stainless steel. The floor will be 3/16 AR400 190,000 psi. The tailgate will be aluminum. The sides and tailgate will be 24". The top tailgate pins will be ¼ turn release and permanent mount. The body understructure will be 4" structural crossmembers 12" on center with 10" corten I beam longsill's. The side tilt assembly will consist of a full-length piano hinge with remote mount lube system with all lube points extended to the outside points. (No bolt together hinges, no honeycomb understructure, and no square tubing understructure.) The body will have a bolt on removable conveyor system for ease of maintenance. Body length will be 9" overall tubb. The body will include Whelen LED NE light package in cabshield and rear posts and will also include a Richard's Hydraulic Cover System (King of Covers). The package will include 25 ton P Hook and Tow Plate with air and electrical. The package will also include a 12-volt brake controller.

CITY OF TORRINGTON PLOW TRUCK SPECIFICATIONS

HYDRAULICS

The hydraulics will be Bosch Rexrothe original with no substitutes. PTO will be Chelsea 12 volt hot shift. Pump will be Bosch Rexrothe A 10VSO 60 series with 2 bolt direct mount flange. The hydraulics tank will be 37-gallon top of chassis mounted in front of cradle. The pump supply line is 2 ½" ID with a 1" pressure line. Stainless steel tubing of .065 wall with the proper ID will be used to plumb all functions with no hoses or exceed 36" in length. The valve body will be Bosch Rexrothe series M4-12 having air controlled spools for the functions and electrically controlled spinner spool and auger spool integral in the valve. The functions will include plow lift, plow angle controlled by air joystick, dump body raise, dump side tilt and load cover by separate air joy sticks. Spinner spool and auger spool controlled by Bosche Rexrothe RC440 controller to include ground speed, load serve open loop and palm pilot per vehicle. The valve body will be fully enclosed is a sealed stainless steel valve bank. The controls will be mounted in a custom aluminum box console including all allied electrical switches.

OTHER EQUIPMENT

The package will include:

- Spinner spotlight
- Body spotlight
- Rear chassis mount mud flaps
- Front chassis mount mud flaps
- Front center mount mud flaps
- Front axle brake deflection center flaps
- Spreader chains on tailgate
- Filter on hydraulic system
- Rubber mount shovel holder
- Cone holder, body access ladder
- Conspicuity tape on sides and tailgate
- "Do Not Push" sign on tailgate
- Body up light on console
- Low oil warning light on console
- Poly placard labels and controller illumination
- Painting of all steel components installed prior to the installation of fittings and hoses with black magnet paint.

The delivery of this equipment complete must be prior to September 30, 2007.

The unit must be completely functional at delivery time and include two (2) or more hours of operation and safety training and one (1) extra hour of mechanic specific training with regards to Rexrothe system and palm pilots by a factory trained Bosch Rexrothe person. Training will be done within one (1) week of receipt of equipment.