

TOWN OF TRUMBULL, CONNECTICUT
REQUEST FOR QUOTATION (RFQ)
BACKHOE/LOADER

RFQ 6005

DUE: August 27, 2013 at 3:00 PM

GENERAL INSTRUCTIONS TO BIDDERS

The Town of Trumbull, Connecticut (hereinafter referred to as Town), through the Office of the Purchasing Agent, will accept sealed bids for a **BACKHOE/LOADER** for the Town Parks Department as detailed in the attached specifications.

1. **PREPARATION OF PROPOSALS**

- a) Bids shall be submitted by using the enclosed BID PROPOSAL FORM that accompanies this request. Submit one (1) ORIGINAL and one (1) EXACT COPY. Bidders should submit bids in a clear, concise and legible manner to permit proper evaluation of responsive bids.
- b) Bidders may also submit, under separate cover with their proposal, any samples of reports and documents that are necessary to meet the requirements (deliverables) of this request should a purchase order be awarded

2. **BID SUBMISSION**

Bids are to be submitted in DUPLICATE and sealed in a sealed envelope and addressed as follows:

Bid 6005 - Due: August 27, 2013

Purchasing Agent - Town of Trumbull
5866 Main Street, Trumbull, CT 06611

Be advised that the person signing the formal proposal must be authorized by you organization to contractually bind your firm with regard to prices and related contractual obligations for the delivery period requested.

3. **BID TIME AND BID FORMS**

- a) Bids shall be received at the office of the Purchasing Agent, Town Hall, prior to the advertised hour of opening, at which time all proposals will be publicly opened and read aloud.
- b) A bidder may withdraw a proposal at any time prior to the above scheduled date and time. **Any bid received after the above scheduled date and time shall not be considered or opened.**
- c) All bid documents contained herein must be completed in their entirety; failure to do so may disqualify a bid.

4. **TOWN OPTIONS**

- a) The Town of Trumbull reserves the right to reject any and all bids and does not bind itself to accept the lowest bid or any proposal. The Town reserves the right to ask for new bids in whole or in part, or to reject any or all bids, or any part thereof, and to waive any requirements, irregularities, technical defects or service therein when it is deemed to be in the best interest of the Town.
- b) If a bid proposal does not meet or better the required specifications, requirements, and scope of work requested on all points that must be outlined in a letter attached to the bid proposal otherwise it will be presumed that the bid as proposed is in accordance with the required specifications.
- c) If your product does not meet or better the required specifications on all points that must be outlined in a letter otherwise it will be presumed that a proposal is in accordance with the required specifications.
- d) In addition to consideration of a favorable bid, the Purchasing Department may give consideration to the most favorable delivery date and past experience.

5. **TAXES**

All purchases made by the Town, and associated with the award of this requirement shall be tax exempt. Any taxes must not be included in bid prices. A Town Tax Exemption Certificate shall be furnished upon request.

6. **INQUIRIES**

- a) All inquiries regarding this request shall be answered up to the close of business on **August 23, 2013**, after which time no additional questions will be accepted. To ensure consistent interpretation of certain items, answers to questions the Town deems to be in the interest of all bidders will be made available in writing or by Fax as appropriate to all bidders. Inquiries of a technical nature may be directed to **Mr. Dimitri Paris (203-650-6084) dparis@trumbull-ct.gov**
- b) The Town reserves the right to communicate with any or all of the bidders to clarify the provisions of Proposals. The Town further reserves the right to request additional information from any bidder at any time after proposals are opened.
- c) **It is the sole responsibility of a bidder to verify any addendums that may have been issued relating to this request prior to submission of a proposal. Any notice of addendum shall be published on the Purchasing Department Website www.trumbull-ct.gov . Failure to submit a response that does not address any changes or addendums may result in a disqualification of a proposal submission.**

7. **AWARD AND AUTHORITY**

The Town will issue notification of award in the form of a Purchase Order.

8. **PRICING**

- a) All prices quoted are to be firm for a period of one (1) year following bid opening.
- b) Special Consideration will be given to responses with extended firm price dates. The Town is always interested in any and all cost reduction opportunities.

9. **ASSIGNMENT OF RIGHTS, TITLES, AND INTERESTS**

Any assignment or subcontracting by a bidder, vendor, or contractor for work to be performed, or goods and/or services to be provided, in whole or in part, and any other interest in conjunction with a Town procurement shall not be permitted without the express written consent of the Town of Trumbull.

10. **HOLD HARMLESS CLAUSE**

Bidder agrees to indemnify, hold harmless and defend the Town from and against any and all liability for loss, damage or expense which the Town may suffer or for which the Town may be held liable by reason of injury, including death, to any person or damage to any property arising out of or in any manner connected with the operations to be performed under an agreement with the Town, whether or not due in whole or in part of any act, omission or negligence of the Town or any of his representatives or employees.

11. **WORK REGULATIONS AND STANDARDS**

All work activities performed in association with this request must be performed and completed for the Town in accordance with current Federal State and Local regulations. All services performed shall also conform to the latest OSHA standards and/or regulations.

12. **CONFLICT OF INTEREST**

No purchase shall be made from nor shall services (other than services as an officer, agent, or employee of the Town) be secured from any officer or employee of the Town, or from any partnership or corporation in which such officer or employee is a partner or officer, or holds a substantial interest, unless such relationship and the fact that such purchase is contemplated shall be made known in writing to the agency making such purchase, and notice thereof posted, for at least five (5) days before such purchase be made, in the office of the agency making such purchase and in a public place in the Trumbull Town Hall.

13. **EQUAL TO ITEMS**

Any "Equal-To" items proposed in response to this request must be approved by the Town; the Town reserves the right to reject any proposal offering equipment and/or materials, which, if in its opinion does not meet the standard of quality established by the attached specifications. Any such decision shall be considered final and not subject to further recourse.

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 BACKHOE/LOADER

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SPECIFICATIONS

The intent of these specifications is to describe the minimum requirements for the above machine. Bidder must note in writing any deviations or exceptions to these requirements. Bidder must fully complete the check list. Manufacturers specification sheets alone are not acceptable as proof of qualification. **Failure to note specific exceptions will be ground for non acceptance of a bid response**

THE FOLLOWING IS TO BE SUBMITTED WITH BID RESPONSE

Compliance		
Engine		
yes ____	no ____	Four Cylinder, turbocharged, isolation mounted diesel engine and shall be designed and built by the manufacturer
yes ____	no ____	Engine shall be certified to EPA Interim Tier IV emissions
yes ____	no ____	Engine shall have a individually replaceable, <u>wet-sleeve cylinder liner</u> design to dissipate heat for reduced ring wear and oil breakdown. No Exceptions.
yes ____	no ____	Engine displacement shall be no less than 4.5 liters (276 cu. In.)
yes ____	no ____	Engine rated net peak power (ISO9249) shall be no less than 107 hp @ 2000 rpm
yes ____	no ____	Engine shall develop at least a 34% torque rise and should have at least 316 lb-ft net torque at 1400 rpm
yes ____	no ____	Daily check points shall be accessible from the right side of the engine and shall be done from ground level
yes ____	no ____	Engine shall have a serpentine belt with automatic belt tensioner reducing required maintenance
yes ____	no ____	Under-hood engine air cleaner shall be dry type, dual element with evacuator valve, restriction sensor and in-cab restriction warning light
yes ____	no ____	The backhoe shall have a tilt hood for easy engine access
yes ____	no ____	The backhoe shall have an under hood muffler with curved-end exhaust stack
yes ____	no ____	Engine shall have no more than 30-micron rated primary fuel filter with water separator
yes ____	no ____	Engine shall have no more than 2-micron rated secondary fuel filter
yes ____	no ____	Engine shall have a glow plug cold weather start aid
yes ____	no ____	Engine shall have a 110 volt block coolant heater
yes ____	no ____	Engine will be equipped with a water-in-fuel sensor
Cooling		
yes ____	no ____	Engine coolant shall be rated to -40 degrees (-40C)
yes ____	no ____	The backhoe shall be equipped with an oil-to-water engine oil cooler
yes ____	no ____	Unit shall have a coolant recovery tank provided
yes ____	no ____	Unit shall have a suction-type fan with fan-guard
yes ____	no ____	The AC condenser will be swing-out for efficient radiator clean-out.
yes ____	no ____	The hydraulic and transmission circuits will be water cooled for fast winter warm-up
Power Train		
yes ____	no ____	The transmission shall be a full powershift with torque converter; clutch-free; fully synchronized five (5) forward minimum and three (3) reverse speeds minimum No Exceptions.
yes ____	no ____	Unit shall be capable of a top speed of 25 m.p.h.
yes ____	no ____	The transmission shall automatically shift from 4th to 5th and 5th to 4th gears
yes ____	no ____	The axle will be mechanical -front-wheel-drive with traction control <u>limited-slip differential</u> with electric on/off control No Exceptions.
yes ____	no ____	The axle will be sealed to protect against contamination
yes ____	no ____	The clutch engaged MFWD can be engaged on the fly during operation No Exceptions.
yes ____	no ____	4WD can be engaged momentarily by a switch mounted on the loader control lever
yes ____	no ____	4WD will automatically shut off in 4th and 5th gear to protect tires, powertrain components and reduce fuel consumption

yes____	no____	The transmission shall be isolation mounted to the mainframe to minimize shock load stress
yes____	no____	The rear axle shall have a differential lock, electric foot-actuated as standard equipment
yes____	no____	The single electric FNR lever will have gear selection fully integrated in the lever
yes____	no____	Transmission oil cooler shall be provided as standard equipment
yes____	no____	The backhoe shall have hydrostatic power steering with emergency manual mode
yes____	no____	The machine will have a dial throttle that will allow the operator to road the machine on cruise control. Upon engagement of the brake pedal, the engine RPMs return to idle
yes____	no____	The final drives shall be heavy-duty outboard planetary distributing loads over four gears sealed in cooling oil bath for long-life and trouble free service.
yes____	no____	The front axle shall have remote grease bank for front axle for easy access.
yes____	no____	The rear axle bearings shall be self-lubricating and shall not need to be greased
yes____	no____	The service brakes shall be inboard, wet-multiple disk, self-adjusting and self equalizing and hydraulically actuated for a long and trouble-free life, sealed from water, mud and dust contamination
yes____	no____	The parking brake shall be independent of service brakes, spring applied, hydraulically released , wet multi-disk, and sealed from water, mud and dust contamination.
yes____	no____	Park brake will automatically apply when engine is shut off. No Exceptions.
yes____	no____	The transmission shall be neutralized when park brake is engaged. No Exceptions.
Hydraulic System		
yes____	no____	The hydraulic fittings shall have "O"-ring face seal connectors to secure a tight, leak-free seal
yes____	no____	The hydraulic filter shall be no more than 6 micron and will be vertically mounted, spin on design for ease of installation and leak-free replacement.
yes____	no____	An automatic bucket return-to-dig control will be standard
yes____	no____	Hydraulic pump shall be 42 gpm at 2,200 rpm at 3,625 psi axial piston pump, pressure compensating, load sensing
yes____	no____	Auxiliary one-way plumbing with a variable flow control valve, electric foot switch, and lines to the dipper stick shall be included for a future hydraulic hammer or plate compactor
yes____	no____	Auxiliary two-way plumbing with foot valve and lines to the dipper stick shall be included to operate a 24" hydraulic "JAW" backhoe bucket
yes____	no____	A 3rd function loader valve with joy stick switch shall be provided to operate a 1.32 cu.yd. multi-purpose bucket or 1.0 cu. yd. side dump bucket
Electrical		
yes____	no____	The backhoe shall have a 12 volt system with 120 amp alternator
yes____	no____	Dual batteries shall be included, 12 volt, 950 CCA, 190-min. rated reserve each
yes____	no____	The machine shall have blade type, multi-fused circuits
yes____	no____	The starter shall have a bypass start safety cover
yes____	no____	Unit shall be equipped with 10 halogen driving/working lights, (4) front driving/working; (4) rear; (2) side docking lights The front lights shall be adjustable and the bulbs shall be no less than 32,500 candlepower each.
yes____	no____	Unit shall be equipped with two front and two rear turn signal/flashing and two rear stop and tail lights and two rear reflectors
Operator Station		
yes____	no____	Unit shall be equipped with isolation mounted modular design ROPS/FOPS cab
yes____	no____	Access to the cab shall be from the right and left side with protected, wide, rigid, self-cleaning steps and ergonomically located hand-holds
yes____	no____	The seat shall be a air suspension cloth swivel, with fully adjustable armrests and lumbar support
yes____	no____	2" retractable seat belt shall be provided
yes____	no____	Coat hook, built-in beverage holder, operator manual storage compartment, glove box,interior rearview mirror and two 12 volt outlets shall be provided
yes____	no____	Unit shall be equipped with illuminated electronic gauges with audible warning for: engine coolant temperature, oil temperature and fuel level.
yes____	no____	The monitor system shall have audible and visual warnings: engine air restriction, low alternator voltage, engine oil pressure and temperature, hydraulic filter restriction, parking brake on/off, and low brake pressure. The seat belt will have a visual warning.
yes____	no____	Ignition shall be keyless with ability to program up to 10 security codes. No Exceptions.
yes____	no____	The monitor will be a sealed switch module with multi-language (English, French and Spanish) digital monitor for diagnostics (including diagnostic messages and fault code readings), calibrations and machine information.
yes____	no____	Monitor shall provide the capability for engine shut down between 2 to 45 minutes. No Exceptions.
yes____	no____	Unit shall have digital display for: engine rpm, engine hours, system voltage, and hydraulic oil temperature
yes____	no____	The foot throttle shall be suspended

yes ____	no ____	The machine will have a full cab with heater and air conditioner
General Specifications		
yes ____	no ____	Vandal protection shall cover the instrument panel. Engine hood, toolbox, hydraulic reservoir, and fuel filler shall be lockable.
yes ____	no ____	The tilt hood shall have two service positions for easy operation
yes ____	no ____	An easy to read periodic maintenance and grease chart shall be posted at eye level prominently displayed on the frame.
yes ____	no ____	Fuel tank capacity shall be no less than 41 gallons and shall be accessible from the ground.
yes ____	no ____	Operating weight With Full Fuel Tank, 175-lb. Operator and Standard Equipment and Standard (Cab, Ext. Dipper, 1,250 lb. ctw.).... shall be no less than 18,000 lbs.
yes ____	no ____	Fluid levels should be easily checked by sight gauges, dipsticks or overflow tank
yes ____	no ____	Factory installed fluid sampling valves will be available
Overall Vehicle		
yes ____	no ____	The mainframe shall be a one-piece unitized construction for maximum strength
yes ____	no ____	Unit shall have four built-in vehicle tiedowns, two in front and two in rear for safe transport between jobs
yes ____	no ____	The side plate thickness on the loader boom, backhoe boom and mainframe shall be 4.5 mil or greater
yes ____	no ____	A full front drive shaft guard shall be included
yes ____	no ____	Machine shall be equipped with an exterior mounted, ground level accessed and lockable storage compartment
Backhoe		
yes ____	no ____	An extendible dipperstick shall be included
yes ____	no ____	A heavy duty fully boxed outer section will extend away from the inner box section No Exceptions.
yes ____	no ____	The backhoe with extendable dipperstick retracted shall have a digging depth of at least 16 ft 1 in
yes ____	no ____	The backhoe with extendable dipperstick extended shall have a digging depth of at least 20 ft
yes ____	no ____	Over end boom lift capacity at ground level with dipperstick retracted shall be no less than 2,962 lbs.
yes ____	no ____	Over end dipperstick lift capacity at full height with boom at 60 degrees, and dipperstick retracted shall be no less than 5,094 lbs.
yes ____	no ____	Shall have a fuel saving auto-idle feature which automatically returns engine speed to idle without any input from the operator when the joysticks are not operated for a set time during backhoe work. Engine speed returns to preset level when the joystick is moved No Exceptions.
yes ____	no ____	The swing lock pin shall be stored in the operator's station
yes ____	no ____	The stabilizers will be equipped with anti-drift in both directions
yes ____	no ____	The stabilizer shall have reversible pads
yes ____	no ____	The stabilizer overall operating spread shall be no less than 13' 3"
yes ____	no ____	The backhoe boom design shall be a power curve for loading into the center of the truck bed.
yes ____	no ____	The backhoe boom shall be an hourglass shape for maximum strength and optimized visibility to the work tool.
yes ____	no ____	Digging force with standard backhoe, bucket cylinder shall be at least 14,801 lb.
yes ____	no ____	The backhoe shall be equipped with a rubber bumper/linkage style boom locks to keep the backhoe from vibrating on the swing frame
yes ____	no ____	Unit shall be equipped with a O.E.M. mechanical backhoe quick coupler capable of accepting Deere C-D-E-J-K buckets, Case K-L-M, and Cat C series buckets. No Exceptions.
yes ____	no ____	Unit shall be equipped with a heavy duty Wain Roy 24" hydraulic pin-on "JAW" backhoe bucket No Exceptions.
yes ____	no ____	The swing casting shall have dual yokes: on top and on the bottom
Loader		
yes ____	no ____	Unit shall be equipped with a quick coupler 1.32 cubic yard multi-purpose bucket with reversible bolt on cutting edge
yes ____	no ____	Unit shall be equipped with a quick coupler 1.0 cubic yard side dump bucket with reversible bolt on cutting edge
yes ____	no ____	Lift Capacity with 1.32 cu yd M.P. (multi-purpose/4 in 1) bucket at full height shall be at least 6,600 lb
yes ____	no ____	Dump Clearance with M.P. bucket at 45 deg. shall be no less than 8 ft 7 in.
yes ____	no ____	Digging depth below ground, with M.P. bucket level shall be no less than 5.5 in.
yes ____	no ____	Bucket breakout force with M.P. bucket shall be no less than 9,650 lb
yes ____	no ____	The loader shall have hydraulic self-leveling and bucket-level indicator.

yes____	no____	The loader shall have divergent loader arms for excellent visibility to the bucket
yes____	no____	For truck loading, the loader arms will have a curved-knee design for loading into the center of the truck bed
yes____	no____	The loader shall have a non-removable, hinged loader boom service lock.
yes____	no____	Unit shall be equipped with a O.E.M. hydraulic loader coupler with in cab attach/detach switch
yes____	no____	Hydraulic loader coupler shall be able to pick up older JRB-Deere attachments, current Deere attachments, and Caterpillar IT attachments No Exceptions.
Other		
yes____	no____	Shall include remote telematic machine monitoring system with a 3 year paid subscription
yes____	no____	Shall have on board customer attainable diagnostics with additional monitoring features
yes____	no____	Shall have a ride control system to reduce the "porpoising" effect when roading the unit
yes____	no____	Shall have two front facing Whelen LED strobe lights mounted below the roof drip edge. No Exceptions.
yes____	no____	Shall have two rear facing Whelen LED strobe lights mounted below the roof drip edge. No Exceptions.
yes____	no____	Shall have a Am/Fm/CD/Weather band radio with digital clock
yes____	no____	Shall have exterior right side and left side mirrors
yes____	no____	Shall have a license plate bracket with light
yes____	no____	Shall have a operator, repair, and parts manual
yes____	no____	Shall have a one year / unlimited hour manufacturers warranty
yes____	no____	All freight and delivery charges to the Trumbull Park Department shall be included

