

LEGAL NOTICE

TOWN OF BRANFORD

**Model Year 2011 Dump Truck with All Season Body, Sand Spreader,
Plow, Hitch and Central Hydraulics**

The Town of Branford is requesting bid proposals for a Model Year 2011 Dump Truck with all Season Body, Sand Spreader, Plow, Hitch and Central Hydraulics.

Bid documents may be obtained in the Finance Office, Branford Town Hall, 1019 Main Street, Branford, Ct., or on the Town's website at www.branford-ct.gov.

Proposals will be received until Thursday, June 17, 2010 at 11:00 a.m. and opened publicly at 11:30 a.m. in the Finance Office.

Anna DelRosso
Purchasing Clerk

**SPECIFICATIONS FOR THE PURCHASE OF
CLASS 8 DUMP VEHICLES WITH SNOW REMOVAL EQUIPMENT**

SCOPE: Furnish new 2011 Class 8 Truck Cab/Chassis with set back axle installed dump body with all manufacturers' standard equipment and in compliance with the following specifications.

The bidder must state "yes" or "no" to each specification item in the line provided. All deviations must be explained in the bid completely, statements such as "exceed", or "not required", or items not checked yes or no, will not be acceptable and will be considered non-compliant, resulting in rejection of the bid. If additional space is needed, bidder shall use a separate sheet of paper labeled "exceptions". The successful bidder's equipment will be inspected on delivery against the specifications. Any items marked yes that are not installed on the equipment will result in the rejection of the equipment.

Bids will be considered only from vendors regularly engaged in the manufacture of the type of equipment specified for a period of not less than ten years. Bids will not be considered from bidders not able to show that they are regularly engaged in the selling and servicing of this type of equipment. Successful bidder shall be able to demonstrate proficiency in both operation and repair of all components on the equipment.

SERVICE: The Contractor shall furnish factory-authorized service at a service shop located within a 30-mile radius of Branford, Connecticut on all vehicle(s) and related add-on equipment furnished under this contract. No exceptions.

WHEEL BASE: 164 inches YES ____ NO ____

CAB TO AXLE: 96 inches YES ____ NO ____

G.V.W.R.: 37,600 pounds YES ____ NO ____

ENGINE: 2010 EPA/CARB Emission in line 6 cylinder diesel engine. Turbo-charged American manufactured, meeting Emissions Certifications for model year, 260 HP minimum, 660 ft/lbs of torque @1300 RPM minimum, electronic shutdown system, 110-volt block heater, engine protection for oil and coolant malfunctions. Engine must be wet sleeved and come with a factory exhaust brake, only 1 EGR valve allowed on engine.

YES ____ NO ____

RADIATOR: 1200 Square Inch Stone/bug guard installed.

YES ____ NO ____

COOLANT: Permanent extended life type for -34F heavy duty coolant.

YES ____ NO ____

TRANSMISSION: Allison automatic 3500 RDS electronic 6-speed with electric shift PTO for dump body, transmission oil will be Transynd with extended warranty. Transmission Oil Temperature Gauge. Push button dash-mounted shift pad. Warranty good for 5 years from date of in-service.

YES ____ NO ____

STEERING: TRW TAS-85 Power Steering.

YES ____ NO ____

FRONT AXLE: 14,700 LB with 14,600 LB flat leaf springs severe duty service, “wet type” oil seals. Drag link and tie rods grease able with front shocks installed. Set back front axle.

YES ____ NO ____

REAR AXLE: Meritor 23,000 LBS. Driver-controlled differential Lock 26,000 LB Rear Springs with Helpers and Radius Rods.

YES ____ NO ____

BRAKES: Air drum type brakes, cam actuated all wheels with backing plates, automatic slack adjusters, spring set parking brake (30/30) and non-asbestos brake lining. Vehicle shall have rear emergency and air couplings for trailer towing capability to include electrical connections. Cast Shoes on Rear.

YES ____ NO ____

AIR INTAKE: Side of Hood Air intake with firewall mounted Donaldson or equivalent air cleaner with passive precleaner and inside/outside air door.

YES ____ NO ____

AIR COMPRESSOR: 18.7 CFM air compressor or equivalent.

YES ____ NO ____

ABS: WABCO 4S/4M ABS with traction control.

YES ____ NO ____

AIR DRYER: Bendix AD-9 air dryer, heated, drain cocks for air tanks with lanyards attached for easy access. Frame mounted.

YES ____ NO ____

FRAME: 120,000 KSI Frame shall extend 63 inches aft of center rear axle. Frame shall be one piece, not welded or fabricated. 24" FRONT INTEGRAL EXTENSION, Factory equipped.

YES ____ NO ____

FUEL TANK: 50 Gallon aluminum left hand side of cab, filled on delivery.

YES ____ NO ____

DEF TANK: 13 Gallon DEF tank mounted along side of fuel tank, filled at delivery.

YES ____ NO ____

ELECTRICAL: 160-amp Long brush 28-SI pad mount alternator, Two 12 volt, 2,200 CCA, maintenance free batteries. Vehicle interface circuit access box mounted with fuse panel wires and automatic self-reset circuit breakers. A completely sealed system with junction box, all terminals coated with silicone dielectric grease. All auxiliary electrical components to be powered by self-contained, circuit breaker protected electrical distribution system. Junction Box mounted at end of frame. Battery Box mounted LH under cab over fuel tank w/ cover. Halogen spot light mounted in each door.

YES ____ NO ____

CAB: All aluminum with fiberglass hood. Inner and outer door cab entry seals required. Overall truck height CAN NOT EXCEED 114".

YES ____ NO ____

EXHAUST: Vertical type, B-pillar design mounted on the passenger's side of cab. Horizontal after treatment system w/ curved stack.

CAB GAUGES & INSTRUMENTS:

Tachometer, engine hour meter (dash mounted), voltmeter, oil pressure gauge, air pressure gauge and low air warning, speedometer, high beam indicator, coolant temperature gauge, Transmission Temp Gauge, air conditioning, AM/FM radio with clock, back-up alarm (electronic), intermittent wipers, aux power point, both air and electric horns with shields, solid state back up alarm. Cab must include six factory-installed switches for auxiliary lighting equipment. PTO light for when PTO is activated.

YES ____ NO ____

MIRRORS:

Swing away Stainless Steel heated mirrors with 8" heated convex "spot" mounted below primary mirror arms.

YES ____ NO ____

SEATS:

Drivers National 2000 Series High back air suspension with air lumbar support. Two man passenger with non-suspended fixed base.

YES ____ NO ____

TIRES & WHEELS:

Front tires; 12R 22.5, 16 ply, Radial Goodyear G-149 or District approved equal. Rear tires; Goodyear, G282; MSD 11R 22.5, 16 ply, H-rated Radial. All tires will be mounted on hub piloted steel disc rims, painted white.

YES ____ NO ____

COLOR:

Manufacturer's Red L2225EB base coat clear coat. All body parts requiring paint shall be sand blasted and painted to match the color of the cab. All spot painting shall be properly prepared and primed before the finish coat is applied.

YES ____ NO ____

FRONT GRILLE:

Grille SHALL BE STATIONARY with tilting hood only.

YES ____ NO ____

TOWING:

4 years unlimited mileage towing to selling dealer for any drivetrain related failure.

YES ____ NO ____

BODY DESCRIPTION:

Heavy Duty All Season Body serving as a dump body or transformed to a sand/salt/material spreader by means of a hydraulically tilting floor. Must be in production for minimum of 10 years

YES _____ NO _____

DIMENSIONS:

Capacity to be a minimum of 6.11 cubic yards water level without side boards
Weight of body including hoist and hardware not to exceed 4860 pounds
Inside width to be 88 inches
Inside length to be 120 inches
Outside width 97 ½ inches
Side height 27 inches
Tailgate height 39 inches
Cab shield 24 inches, 10 gauge steel, reinforced on both ends

YES _____ NO _____

BODY:

Front panel to be constructed from 3/16" Hardox 400 steel, 180,000 psi reinforced by two full length vertical V shaped outside breaks filled in with 3/16" plate
Sides, constructed of 3/16 steel, reinforced with two 10 gauge side posts per side
Bottom Of sides comes to a 45 degree formed taper
Top tube is 4" x 3" x 3/16"
Tilt side must be single wall design serving as both outer and inner wall and moving with floor as one. <u>NO EXTERIOR WALL</u> to hamper cleaning of understructure
There will be two front and two rear corner posts made of 10 gauge steel.

YES _____ NO _____

TAILGATE:

Constructed of 3/16" Hardox 400 steel, 180,000 psi
Six panel design
Top ears will be made of 3/4" steel
Top and bottom pins made of 1 1/4" cold rolled steel
Top hinge will include greasing zerks
Latches shall be over center design
Tailgate will be double acting
When tailgate is horizontal it will be level with the floor
Tailgate will be air operated, control will be inside cab of truck

YES _____ NO _____

FLOOR:

Constructed of Minimum 3/16" Hardox 400 180,000 PSI yield strength steel, <i>No exception.</i>
Reinforced by two 15/16" flats formed into a honeycomb structure between five 3" Channel traversing under the floor.
Floor hinge, shall be bolt on, for ease of removal, by three blocks held by 4" x 5/8" grade 5 bolts. Welded hinges or piano type are <i>not acceptable.</i>
Blocks shall be grooved and fitted with grease zerks that are remote mounted to one location for ease of maintenance. All extension hoses to be 2000 psi hydraulic type with swivels fittings.
Pins shall be three piece, 1 3/4" in diameter and made from hard induction chrome.
The combination of this floor hinge system and the above mentioned floor and understructure shall eliminate the need for 50/50 flow dividers or equalizing hydraulic systems. Such systems are <i>not acceptable.</i>

YES _____ NO _____

UNDERSTRUCTURE:

Two full length I beams at 25.4 lbs. Per foot
Three 1/4" flats welded between I beams
Three square tubes 3" x 3" x 3/16" traverse top of I beams joined at ends by 4"x 3" x 3/16" tube
A 3"x 1 1/2" x 1/8" tube and 1/4" flat stock is welded at the front of the I beams
A 14"x 91" x 3/16" bumper is welded at the back of the I beams

YES _____ NO _____

LONGITUDINAL CONVEYOR:

The conveyor is an integral part of body floor and runs longitudinally down the driver's side of the body, discharging in front of the rear wheels. Center conveyor units as well as rear discharge units are not acceptable alternatives.
Conveyor frame is constructed of 3/16" Hardox 400 180,000 psi yield strength steel
Removable conveyor wear plate constructed of 3/16" Hardox 400 180,000 psi yield strength steel
Conveyor cover plate in two sections constructed of 3/16" Hardox 400 180,000 psi steel reinforced with 2" x 3/16" flats.
Conveyor cover plates are integral to unit and do not need to be removed from the body.
Chain maintenance system including access panel in rear apron to allow for removal of chain and slotted doghouse to allow for removal of gearbox.
<i>Chain and driving mechanism</i>
Self cleaning pintle type chain
18 1/2" overall width
Bar flights, 3/8"x 1 1/4" spaced every other link.
All chain links are protected by integral chain guard leaving only bar flights exposed.
Chain is driven by 25:1 ratio gear box
Gearbox assembly is installed on discharge end and is bolt on.
Front sprockets are ductile cast iron grade 60
Driveshaft is 1 1/4" high resistant stress proof 100,000 psi steel
Rear sprockets are ductile cast iron grade 30
Idler shaft is 1" diameter 90,000 psi steel
Bearings are self aligning and greasable
Tension of chain is adjusted by use of two grease adjustable actuators.
Use of threaded rods or rollers for chain tensioning is not acceptable

YES _____ NO _____

SPINNER ASSEMBLY:

Spinner shaft is sealed type with motor on top
Hydraulic motor is 30 cubic inch and is bi-rotational.
Spinner shaft contains two embedded self-greasing ball bearings.
Spinner assembly is chassis mounted and is bolt laterally adjustable and removable.
Urethane spreading disc is 18" diameter; steel discs are not

acceptable.
Ultra light non-adhesive polyethylene chute feeds the spreading disc. Chute is both adjustable and removable. Steel chutes are not acceptable.

YES _____ NO _____

HOIST:

Mailhot CS-90-2 two stage telescopic cylinder.
Double Acting
Capacity of 20 tons at 2000 psi
Base of cylinder shall be largest stage. Inverted cylinders are not accepted.
Cylinder is nitrated using the quench polished quench method. Chrome cylinder is not an acceptable substitute.
Minimum 2 year warranty against corrosion
<i>Tilt floor hydraulic cylinders</i>
Two Mailhot double acting cylinders.
Cylinder size is 3 ½" diameter x 22 ½" stroke
Combined capacity of 19 tons at 2000 psi.
Cylinder is nitrated using the quench polished quench method. Chrome cylinder is not an acceptable substitute.
Minimum 2 year warranty against corrosion
Cylinder ends contain bushings with grooves and zerks for greasing.
Pins holding cylinders in place are made from 60,000 psi cold rolled steel.
Bottom cylinder bracket is cast iron (ASTM A27 GR 65-35 annealed)
Bottom cylinder bracket must be located on passenger side I beam to provide push from a place of strength.
Top of cylinder must mount in base of passenger sidewall and have access ports from which cylinder pins may be accessed.

YES _____ NO _____

SAFETY & ACCESSORIES:

Ladder, appropriately braced, forgiving style, with self-cleaning steps and grab handle located at left front corner of body.

OAK BOARDS for additional capacity

Holder for two chock blocks

Shovel holder with 5/16" snapper pin

Safety leg to hold the body in raised position

Safety leg to hold the floor in raised position
Eleven safety stickers
Conspicuity Tape
STEEL corrugated Fenders to protect understructure
Aluminum Toolbox mounted on left side of chassis
Center Flap to protect Brake Chambers
Four rubber mudflaps
Owners manual

YES _____ NO _____

HEIGHT RESTRICTION:

TOTAL HEIGHT OF TRUCK/BODY NOT TO EXCEED 110"

YES _____ NO _____

HYDRAULIC SYSTEM:

The system is to be furnished and completely installed to power and control all hydraulic requirements satisfactorily, both independently and collectively.
Load Sense 80cc Variable Displacement pump directly mounted to PTO. No Exceptions

PUMP CC BEING OFFERED _____

Electric Hot-shift PTO to be driven by World transmission.
Dan Foss Air-actuated Load Sense Control valves with Airquip test fitting (inlet with relief, plow up and down, left and right, body up, side dump up and down with down pressure relief, load cover, and power beyond)
Air Control levers to be Feathering-style mounted in custom lever stand, with body up lever safety lock, and engraved plaque to identify lever functions.
Cirrus EZ-Spread for Sander Operation
Sander Solenoid hydraulic sections must be incorporated into entire valve assembly
SSteel Valve Enclosure
Hydraulic tank to be saddle-mounted behind cab, 37 gallon capacity, with, low oil sender, breather cap, and sight / temp gauge.
LOW-OIL SHUTDOWN and Light with override
Two (2) Shut off valves, to be ¼ turn ball shut off valves
Return filter will be 10 micron, spin on type, with 15-psi relief by-pass and conditions indicator gauge.
Suction line Strainer
Hydraulic manifold, all return lines to be routed into centrally

located manifold.

Hydraulic pipes to deliver and return hydraulic oil from control valve to plow functions to be, integrated, modular, ½" ID, stainless steel pipe, custom bent and mounted in cushion clamps. Not to obstruct normal maintenance items. Extended lengths of hydraulic hose will not be accepted. Pressure and suction line to pump will be of the appropriate size to meet system requirements. Suction Line Strainer Hydraulic hose may only be utilized at flex points and must have swivel fittings on both ends for ease of replacement if necessary.

YES _____ NO _____

PLOW FRAME:

Shall be manufactured by a recognized snow plow manufacturer.

Frame attachment shall be manufactured in such a way as to: allow the hood of a chassis fitted with a tilt engine cowl and stationary grill work to tilt forward over the upper portion of such attachment

Side plates ½" thick, reinforced and bolted as far back on the truck frame as possible.

Top cross members and vertical risers shall be constructed of 4"x 3"x ½" angle.

Bottom member is to be of 15"x 4-1/2"x ½" C- Channel, inter laced with vertical members. Two (2) sets of Dual push centers, 30.5" & 21" at three (3) pin heights each. Cylinder base mounting bracket will be mounted to this member.

Lift yolk to be constructed of ½" steel sides to form a frame, 1-1/8" tube for pivot and ¼" plate for top. Yolk to pivot on a 1" diameter full width bolt with castle nut and cotter pin.

Cylinder to be double acting, 4" bore x 10" stroke.

YES _____ NO _____

SNOW PLOW:

Heavy Duty 1142 Power Reverse Trip-edge Snow Plow with Integral Moldboard. Cushion Valve protection. 30.5" Push Centers Parking jack. Curb shoe

YES _____ NO _____

LOAD COVER:

ALCS Hydraulically-Operated Load Cover with Heat-Treated Tarp

YES _____ NO _____

PINTLE ASSEMBLY:

25 Ton Pintle Assembly with ¾" Backing Plate, Gladhands, & 7-Prong Receiver

YES _____ NO _____

STROBE SYSTEM: (as specified – NO EXCEPTIONS)

Whelen Self-contained **500 Series LINEAR-LED** – NO EXCEPTIONS, consisting of Dual Amber LINEAR LED Strobes mounted on a 45 degree angle on each corner of the cab shield. LINEAR LED stop, turn, tail, LINEAR LED back up, and LINEAR LED strobe lights are in recessed steel boxes mounted in rear corner posts of dump body. **Additional strobes** - Each Front parking light shall incorporate a hide-away strobe.

YES _____ NO _____

ELECTRICAL
& LIGHTING:

Plow lights will be Truck Lite #80800 mounted on the hood with custom aluminum brackets.

A completely sealed system with Truck Lite junction box, all terminals coated with silicone dielectric grease.

Spinner light- Truck Lite

Load light- Truck Lite

ICC lighting- Betts with Lexan, heat and shatter resistant lenses

Back up alarm- audible

Body up alarm- visual and audible

Trailer plug- Cole Hersey #1235

All auxiliary electrical components to be powered by Self contained, circuit breaker protected, electrical distribution system.

YES _____ NO _____

FIRE

EXTINGUISHER: One 5 B/C, mounted and installed in cab

YES _____ NO _____

FIRST AID KIT:

One first-aid kit

YES _____ NO _____

Install radios (town supplied), attachments, antennas and hardware.

YES _____ NO _____

OPTIONS:

A. Cirrus Spread Smart Ground Speed Orientation WITH STEEL ENCLOSURE for remote-mounted elect/hyd valve assembly (removes hyds from cab) Spread Smart with 10 programmable Application Rates for Granular & Liquid, Storm & Season Totals via wireless Download. GPS & Temp System connectivity	_____
	\$
B. Stainless Steel Body ILO Above	_____
	\$
C. All Hardox 400 180,000 psi Body ILO above.....	_____
	\$

LIST DEVIATIONS TO ABOVE SPECIFICATIONS IN DETAIL BELOW: (use additional sheet if necessary)

BID PROPOSAL SHEET

PERFORMANCE BOND REQUIRED: NO

TOWN OF BRANFORD
OFFICE OF THE TREASUER



1019 Main Street
Post Office Box 150
Branford, CT 06405

(203) 488-8394
FAX: 315-3736

**General Requirements for Bidding
and
Instructions to Bidders**

NOTICE

Information provided in these specifications is ***CONFIDENTIAL*** and is to be used only for the purpose of preparing a proposal. It is further expected that each bidder will read these specifications with care, for failure to meet every one or a combination of specified conditions may invalidate the proposal.

The Town reserves the right to reject any or all bids or any portion thereof and to accept the bid deemed to be in the best interest of the Town of Branford.

Bidders are requested to submit quotations on the basis of these specifications. Alternate quotations will receive consideration providing such alternatives are clearly explained.

The information contained herein is believed to be accurate and is based upon the latest available information but is not to be considered in any way as a warranty.

Revised 5/09
Standard Form

SECTION I - General Terms and Conditions

A. Compliance with Laws

The bidder shall at all times observe and comply with all laws, ordinances and regulations of the federal, state and local governments, which may in any way affect the preparation or the performance of the contract.

B. Timetable

Price quoted must be valid for 60 days. Delivery and installation completion dates must be included in the bid proposal.

C. Consideration of Proposals

The Board of Selectmen, or a majority of them, reserve the right to select or reject alternate proposals; to waive informality in proposals; and to reject any and all bids, or accept such bid as shall in its judgement be to the best interest of the Town of Branford.

D. Bid Bond **See Bid Proposal Sheet*

1. A certified check or bank draft made payable to the "Treasurer, Town of Branford", or a satisfactory bid executed by the bidder and a surety company in an amount no less than five percent (5%) of the base bid, may be required with each proposal.
2. Checks or drafts will be returned to unsuccessful bidders within ten (10) business days of the bid opening.

E. Performance Bond **See Bid Proposal Sheet*

Successful bidders may be required to furnish a Performance and Payment Bond in the amount of 100% of the contract sum.

F. Protection of Work and Property

Successful bidders shall be responsible for protection of their equipment and materials against theft, damage or deterioration on the site.

G. Competency of Bidders

1. Bidders shall have had proven experience in the field of work.
2. Bidders shall submit with their bid a listing of recent work performed within the State of Connecticut of the size equal to or greater than the work being bid.

H. Alternates

1. Any alternates to specified materials or workmanship must be separately listed and described in detail.
2. Alternates will be considered in awarding the contract only if they provide, as a minimum requirement, all features contained in the specifications.
3. The Town of Branford reserves the sole right to determine through its agents the equality of alternate products and/or installation procedures.

I. Bid Requirements

1. Each bidder shall return two (2) copies of the proposal sheet entitled "Bid Proposal".
2. Each bid proposal must be signed by an authorized agent of the bidder.
3. Successful bidders must obtain any required governmental approvals.

J. Specifications – General

The contract shall include all labor and materials, tools and equipment and services required for proper performance of the work as specified hereinafter and as may be required for proper completion of the work in accordance with the highest standards of the trades involved.

K. Examination of Site

Prior to submission of the bid, contractor shall visit the site, consult with the supervisor, and become thoroughly familiar with all conditions under which the work will be installed. The contractor will be responsible for any assumptions made regarding the site for the work to be performed.

SECTION II - Insurance Requirements

The contractor, following award of the contract, may be required to furnish to the Town of Branford a Certificate of Insurance for the following coverage:

1. Comprehensive General Liability
2. Property Liability Insurance
3. Automobile Liability **
4. Workmen's Compensation and Employees Liability**
5. Professional Liability

In addition to the coverage delineated above, Builders Risk Insurance may be required for construction contracts. The limits of insurance unless otherwise specified shall be as follows:

A. General Liability

Combined single limit of \$1,000,000; Bodily Injury \$500,000 per occurrence; Property Damage \$500,000 per occurrence. The insurance carried by the bidder shall include the following coverage:

1. Comprehensive Form
2. Premises Operations
3. Products Completed Operations
4. Contractual – Hold Harmless Requirements**
5. Independent Contractors
6. Broad Form Property Damage
7. Personal Injury

B. Hold Harmless Requirements

The contractor shall, at all times, indemnify and save harmless the Town of Branford, its officers, agents, and servants on account of any and all claims, damages, losses, litigation expense, counsel fees and compensation

arising out of injuries (including death) sustained by or alleged to have been sustained by the public, any or all persons affected by the contractor's work, or by the contractor, any subcontractor, material, men or anyone directly or indirectly employed by them or any one of them while engaged in the performance of this contract. The Town of Branford shall be named as an additional insured on said policy of public liability insurance to cover all claims against the Town arising out of said contract.

C. Automobile Liability

Combined single limit of \$1,000,000; Bodily Injury \$500,000 per person/accident; Property Damage \$500,000 per accident.

Comprehensive automobile policy to cover all automobile or vehicles owned, hired or owned by contractor's employees and used on business.

D. Workers' Compensation

The contractor must have workers' compensation and liability insurance as provided by Connecticut and federal law with statutory limits of \$100,000 per accident, \$100,000 disease each employee and \$500,000 disease policy limit

The contract shall procure and pay for the insurance coverage described above with the minimum limits of liability as stated. The Certification of Insurance shall certify that said coverage shall be in effect for the term of the contract.

The Town of Branford shall be named as an additional insured on the General Liability Insurance Policy. All policies shall provide for sixty (60) days written notice prior to cancellation, substantial change or non-renewal.

The contractor must be in compliance with the State of Connecticut Public Act Section 86-87, "An Act Concerning Workers' Compensation Insurance Requirements For Contractors, On Public Works Projects and State Licenses".