

## INVITATION TO BID

The Town of Newington will accept bids for one new Highway truck. All bids must be submitted in accordance with Town specifications and on forms supplied by the Town. Bid forms and specifications are available in the office of the Town Manager, 131 Cedar Street, Newington, CT 06111 and on line at [www.newingtonct.gov](http://www.newingtonct.gov) in the Doing Business, Current Bids section. Bids will be received and opened publicly at 2:30 p.m. on November 3, 2010. The Town of Newington reserves the right to reject any or all bids.

John L. Salomone  
Town Manager

Bid No. 2, 2010-11

TOWN OF NEWINGTON  
ONE NEW HIGHWAY TRUCK  
GENERAL INFORMATION

Intent:

It is the intent of the Town of Newington to purchase one (1) new truck and related equipment for use by the Newington Highway Department. It shall be a conventional set back front axle, two-wheel drive with dual rear wheels, single rear axle truck having a certified gross vehicle weight rating of not less than 44,000 pounds as indicated by the manufacturer's published literature.

Bid Procedures:

All bids shall be submitted on forms provided by the Town of Newington and addressed to the Town Manager's Office, Town Hall, 131 Cedar Street, Newington, CT 06111. Bids will be opened and read publicly at 2:30 PM on November 3, 2010 in the Town Manager's Office. Sealed bid envelopes should be clearly labeled "Bid No. 2, 2010-11 One New Highway Truck."

The Town reserves the right to waive informalities or to reject any or all bids when such action is deemed to be in the best interests of the Town. The Town reserves the right to delete such items as it deems necessary from these proposals.

Delivery:

Delivery of equipment hereunder shall be made to the Newington Highway Department, 281 Milk Lane, Newington. Risk of loss or damage in transit shall be borne by the Contractor, who shall be responsible for filing any necessary claims against the carrier. The truck and related equipment shall be delivered with all items completely installed and in operable condition. Normally removable items shall have attachments for such removal. All fluids, fittings, greases, etc. shall be provided by the Contractor.

The Contractor shall notify the Town of Newington in writing as to the delivery date when the Contractor has received or will receive the cab and chassis. The body work vendor shall then have ninety (90) calendar days to complete work on the vehicle. Delivery shall be made to the Town no later than ninety (90) calendar days after the date of receipt of the cab and chassis by the contractor. A \$100.00 per day penalty shall be imposed for each business day after the ninety (90) day period elapses until the date of delivery and acceptance by the Town.

Inquiries:

Any questions regarding this bid shall be addressed to Tom Molloy, Superintendent of Highways, 281 Milk Lane, Newington, CT 06111, telephone (860) 667-5810, between 7:00 a.m. and 3:30 p.m., Monday thru Friday. Questions shall be presented by the close of business on October 29, 2010 in order to allow

sufficient time to draft and post addenda. Any addenda shall be posted on the Town's website, [www.newingtonct.gov](http://www.newingtonct.gov), in the Doing Business, Current Bids section at least 48 hours prior to the bid opening deadline.

Nondiscrimination:

The Contractor shall agree and warrant that it will not discriminate or permit discrimination against any person or group of persons on the grounds of sex, race, color, religion, age, marital status, ancestry, national origin, past history of mental disorder, mental disability, physical disability, or other basis in any manner prohibited by the laws of the United States, the State of Connecticut, or the Town of Newington.

Submittals:

The warranty period shall be submitted on the Bid Form.

In addition to the Bid Form, the following shall be submitted:

One (1) set of Manufacturer's specifications for each part of the specification package shall accompany each bid. These specifications will be evaluated to determine the components bid are equivalent to the items specified within. Bidder shall note, in writing, any deviations from the specifications of this bid. Merely providing literature is not sufficient and may be just cause for rejection of a bid.

The truck and related equipment must meet all Federal and State regulations as well as OSHA regulations and so be certified. The dealer or body installer shall provide caution labels, decals and any warnings deemed necessary.

The Contractor shall supply all manufacturers' equipment and technical advice necessary for the proper operation of the truck and related equipment. This includes, but is not limited to, manuals for the chassis, body and hydraulic system. The Contractor must further supply all technical (parts and service) manuals or CD-ROM for but not limited to: the engine, transmission, chassis, body, plow and hydraulic system for the unit proposed.

An adequate supply of replacement parts shall be available within a fifty (50) mile radius of the Newington Highway Department. The Dealer shall have an Emergency Response Plan and it shall also be provided with the bid, as well as their hours of operation for parts and service.

The truck shall meet or exceed the following minimum specifications. Any deviation(s) must be clearly listed and explained on a separate sheet of paper.

TOWN OF NEWINGTON

SPECIFICATIONS FOR

ONE (1) NEW HIGHWAY TRUCK

	COMPLY	
	YES	NO
<u>General:</u>		
Chassis shall be New 2011 model year.	_____	_____
Gross Vehicle Rating not less than 44,000 pounds.	_____	_____
Trailer towing provision including air and electric to end of frame.	_____	_____
All Clevis pins shall be stainless steel.	_____	_____
All "S" cam splines shall be generously coated with "Never Seize".	_____	_____
Complete set of shop manuals for engine , chassis, body, plow, hydraulics, any other serviceable equipment installed.	_____	_____
<u>Engine and Engine Equipment:</u>		
Cummins ISC, 350 HP @ 2000 RPM, 2200 governed, 1,000 LB/FT @ 1400 RPM.	_____	_____
2011 EPA/CARB Emission Certification.	_____	_____
Engine after-treatment device must have automatic over the road regeneration and a dash mounted regeneration request switch.	_____	_____
One piece valve cover.	_____	_____
Side of hood air intake with firewall mounted Donaldson air cleaner, and under hood blend air door with dash mounted switch.	_____	_____
Delco Remy 12V 160 AMP 28-SI quadmount pad alternator with remote battery volt sense.	_____	_____
(2) 12V Maintenance free 1100 CCA threaded stud batteries for a total of 2200 CCA.	_____	_____
Battery box shall be fully enclosed with a fiberglass/plastic cover.	_____	_____
Single battery box frame mounted on LH frame rail under cab.	_____	_____
Positive load disconnect with control switch mounted outboard driver's seat.	_____	_____
18.7 CFM air compressor with internal safety valve.	_____	_____
Electronic engine integral warning and derate protection system.	_____	_____
C-brake by Jacobs. NO EXHAUST BRAKES WILL BE ACCEPTED.	_____	_____
RH outboard under step mounted horizontal after-treatment system assembly top inlet with RH B-pillar mounted vertical tailpipe.	_____	_____
6 Gallon diesel exhaust fluid tank.	_____	_____
Stainless steel after-treatment device/muffler/tailpipe shielding.	_____	_____

COMPLY  
YES                  NO

Engine and Engine Equipment (continued):

Horton Drivemaster on/off fan drive with automatic control with dash switch and indicator light.	_____	_____
Spin on style fuel filter.	_____	_____
Combination full flow/bypass oil filter.	_____	_____
1,200 square inch aluminum radiator.	_____	_____
Antifreeze to -34F, NOAT extended life coolant.	_____	_____
Gates Blue stripe coolant hoses.	_____	_____
Constant tension hose clamps for coolant hoses.	_____	_____
Radiator drain valve.	_____	_____
Phillips-Temro 1000 watt/115 volt block heater.	_____	_____
Aluminum flywheel housing.	_____	_____
Electric grid air intake warmer.	_____	_____
Delco 12V 39MT HD/OCP starter with thermal protection and integrated magnetic switch.	_____	_____

Transmission and Equipment:

Allison 3000 RDS automatic with Power Take Off provision.	_____	_____
6 Speed programming with LBSS.	_____	_____
Transmission Prognostics continually monitoring: oil life, filter life and clutch wear.	_____	_____
Push button electronic shift control mounted in ergonomic dash panel.	_____	_____
Water /oil transmission cooler in radiator end tank.	_____	_____
Transmission oil check and fill with electronic oil level check.	_____	_____
Magnetic plugs: engine drain, transmission drain, axles fill and drain.	_____	_____
Vehicle interface wiring and PDM with body builder connector mounted back of cab.	_____	_____
Synthetic transmission fluid.	_____	_____
RH Power Take Off mount location.	_____	_____

Front Axle, Suspension and Equipment:

20,000 pound front axle.	_____	_____
Meritor 16.5x6 Q+ cast spider cam front brakes, double anchor fabricated shoes.	_____	_____
Conmet cast iron front brake drums.	_____	_____
Front brake dust shields with stainless steel hardware.	_____	_____
Chicago rawhide Scotseal Plus XL front oil seals.	_____	_____

COMPLY  
YES                  NO

Front Axle, Suspension and Equipment (continued):

Meritor automatic front slack adjusters.	_____	_____
TRW THP-60 power steering with RCH45 auxiliary gear.	_____	_____
Power steering pump with a 4 quart reservoir with filter.	_____	_____
Oil/air power steering cooler.	_____	_____
Synthetic 75W-90 front axle lube.	_____	_____
20,000 pound taper-leaf front suspension.	_____	_____
Graphite bronze bushings with seals.	_____	_____
Front shock absorbers.	_____	_____

Rear Axle, Suspension and Equipment:

Meritor RS-26-185 26,000 pound T-series single rear axle.	_____	_____
6.14 axle ratio.	_____	_____
Iron rear axle carrier with standard axle housing.	_____	_____
17N Meritor extended lube main driveline with full round yokes.	_____	_____
Meritor 16.5x7 P cam rear brakes, double anchor, cast shoes.	_____	_____
Brake cams and chambers on rear side of drive axle.	_____	_____
Gunite heavy weight cast iron rear brake drums.	_____	_____
Rear brake dust shields WITH stainless steel hardware.	_____	_____
Chicago Rawhide Scotseal Plus XL rear oil seals.	_____	_____
Haldex Goldseal Longstroke 1-drive axle spring parking chambers.	_____	_____
Gunite automatic rear slack adjusters.	_____	_____
Synthetic 75W-90 rear axle lube.	_____	_____
30,000# Flat leaf spring rear suspension with helper and radius rod.	_____	_____
Fore and Aft control rods.	_____	_____

Brake System:

Air brake package.	_____	_____
Wabco 4S/4M ABS system without traction control.	_____	_____
Reinforced nylon, fabric braid and wire braid chassis air lines.	_____	_____
Fiber braid parking brake hose.	_____	_____
Relay valve with 5-8 PSI crack pressure.	_____	_____
Wabco SS-1200 Plus air dryer with integral air governor and heater.	_____	_____
Air dryer mounted inboard on LH rail.	_____	_____
Steel air brake reservoirs.	_____	_____
BW DV-2 Auto drain valve without heater on wet tank.	_____	_____
Air connections to end of frame with glad hands.	_____	_____

	COMPLY	
	YES	NO
<u>Brake System (continued):</u>		
Primary connector / receptacle center pin powered through ignition.	_____	_____
SAE J560 7-way primary trailer cable receptacle mounted end of frame.	_____	_____
<u>Frame &amp; Wheelbase:</u>		
Grill to back of cab dimension shall not be more than 106".	_____	_____
96" cab to axle dimension.	_____	_____
162" wheelbase.	_____	_____
7/16" x 3-9/16" x 11-1/8" steel frame 120PSI.	_____	_____
RBM rating of 2,592,000 lbf/in	_____	_____
Section Modulus of 21.60 cu. In.	_____	_____
24" Integral front frame extension	_____	_____
Three piece 14 inch painted steel bumper with collapsible ends	_____	_____
Front tow hooks.	_____	_____
Grade 8 threaded hex headed frame fasteners	_____	_____
<u>Fuel Tank &amp; Equipment:</u>		
50 Gallon short rectangular aluminum tank	_____	_____
Fuel tank mounted LH side under cab	_____	_____
Alliance fuel filter/water separator with heated bowl and primer pump	_____	_____
Equiflo inboard fuel system	_____	_____
High temperature reinforced nylon fuel line.	_____	_____
<u>Tires:</u>		
Michelin XZY-3 315/80R22.5 20 Ply radial front tires.	_____	_____
Michelin XDS 12R22.5 16 Ply radial rear tires.	_____	_____
Michelin XZY-3 315/80R22.5 20 Ply radial spare front tire.	_____	_____
Michelin XDS 12R22.5 16 Ply radial spare rear tire.	_____	_____
<u>Hubs:</u>		
Conmet high capacity pre-set bearing aluminum front hubs	_____	_____
Conmet pre-set bearing iron rear hubs	_____	_____

COMPLY  
YES                      NO

Wheels:

Accuride 29039 22.5 x 9.00 10-hub pilot 5.25 inset 5-hand steel disc front wheels.	_____	_____
Accuride 28828 22.5 x 8.25 10-hub pilot 2-hand HD steel disc rear wheels.	_____	_____
Accuride 29039 22.5 x 9.00 10-hub pilot 5.25 inset 5-hand steel disc spare front wheel.	_____	_____
Accuride 28828 22.5 x 8.25 10-hub pilot 2-hand HD steel disc spare rear wheel.	_____	_____

Cab Exterior:

Aluminum conventional cab.	_____	_____
Air ride cab suspension.	_____	_____
Non-removable bug screen mounted behind grill.	_____	_____
3-1/2" fender extensions.	_____	_____
LH and RH grab handles.	_____	_____
Stationary bright finish grill.	_____	_____
Black hood mounted air intake grill.	_____	_____
Fiberglass hood.	_____	_____
Dual 26 inch rectangular polished aluminum air horns roof mounted.	_____	_____
Dual horn shields.	_____	_____
Dual electric city horns.	_____	_____
Integral headlight/marker assembly.	_____	_____
LED marker lights.	_____	_____
Daytime running lights.	_____	_____
Integral stop/tail/backup lights.	_____	_____
Dual west coast bright finish powered heated mirrors.	_____	_____
Door mounted mirrors.	_____	_____
LH and RH 8" bright finish convex heated mirrors.	_____	_____
Electric horn warning system for park brake not set with door open and all key positions.	_____	_____
63" x 14" tinted rear window.	_____	_____
Tinted door glass LH and RH with tinted operating wing windows.	_____	_____
RH electric powered window driver operated.	_____	_____
Tinted one piece 2,500 sq. in. windshield.	_____	_____
1-1/2 gallon windshield washer fluid reservoir frame mounted.	_____	_____
Lower RH door window with Fresnel lens.	_____	_____

COMPLY

YES

NO

Cab Interior:

LH and RH molded plastic door panel with aluminum kick-plate on lower doors.	_____	_____
Black mats with insulation.	_____	_____
Dash mounted 12 volt power supply	_____	_____
In dash storage bin.	_____	_____
Center storage console mounted between seats on back wall.	_____	_____
(2) Cup holders LH and RH dash.	_____	_____
Ergonomic wing dash.	_____	_____
2-1/2 lb. fire extinguisher.	_____	_____
Main heater upgrade.	_____	_____
HVAC ducting providing (2) defroster vents in each door.	_____	_____
(6) Defroster vents in dash along lower portion of windshield.	_____	_____
Silencer package for cab including double layer of noise abatement material throughout firewall, floor, doors, back wall and roof.	_____	_____
12 V negative ground electrical system.	_____	_____
LH and RH door activated dome light.	_____	_____
Forward cab mounted LH and RH reading lights.	_____	_____
12-volt power supply in dash.	_____	_____
Triangular reflectors without flares.	_____	_____
Bostrom Talladega 910 high back air suspension driver seat with air lumbar.	_____	_____
High back non-suspension passenger seat.	_____	_____
Dual driver seat armrests.	_____	_____
Black Cordura Plus cloth seat cover both seats.	_____	_____
LH and RH integral door panel armrests.	_____	_____
Non-adjustable, suspended brake and accelerator pedals to prevent rusting.	_____	_____
Floor mounted pedals will not be accepted.	_____	_____
Adjustable tilt and telescoping steering column.	_____	_____
4-spoke 18" steering wheel.	_____	_____
Driver and passenger interior sun visors.	_____	_____
High idle control operated off of cruise control switches.	_____	_____
Key power 5 amp overhead for radio communications.	_____	_____

Instruments and Controls:

Low air pressure light and buzzer.	_____	_____
2" primary and secondary air pressure gauges.	_____	_____
Intake mounted air restriction indicator.	_____	_____
97 DB back-up alarm, shall be factory installed.	_____	_____
Electronic cruise control for idle control use	_____	_____

	COMPLY	
	YES	NO
<u>Instruments and Controls (continued):</u>		
2" Electric fuel gauge.	_____	_____
Programmable RPM control. Parameters to be determined @ time of award.	_____	_____
Engine coolant temperature gauge.	_____	_____
2" transmission oil temperature gauge.	_____	_____
Engine oil pressure gauge.	_____	_____
Dash mounted AM/FM/WB radio with auxiliary input.	_____	_____
Power and ground wiring with roof mounted radio provision with faceplate, live and key power at roof.	_____	_____
Ignition controlled engine stop.	_____	_____
Four extra switches in dash with indicator lamp and wire to chassis at back of cab.	_____	_____
1 extra momentary switch in dash.	_____	_____
BW tractor protection valve.	_____	_____
Trailer hand control valve.	_____	_____
Digital voltage display integral with driver display.	_____	_____
Single electric windshield wiper motor with delay.	_____	_____
Headlights and marker lights automatically come on with wipers.	_____	_____
Marker light switch integral with headlight switch and switch and terminals for customer furnished snow plow lights.	_____	_____
Two valve parking brake system with warning indicator.	_____	_____
Self canceling turn signal switch with dimmer, washer/wiper and hazard.	_____	_____
 <u>Paint:</u>		
Cab: Woodland Green Elite, Base coat clear coat L2889EB.	_____	_____

TOWN OF NEWINGTON

SNOW FIGHTING EQUIPMENT SPECIFICATIONS

ONE (1) NEW HIGHWAY TRUCK

PLOW, HITCH, HYDRAULICS

COMBINATION SIDE DUMP BODY/SPREADER

Model Monroe DTS dump-tip-spread or equivalent

General

It is the intent of these specifications to describe a complete package of snow fighting equipment to include plow, hitch, hydraulics, and combination side dump body/ automatic spreader, Monroe model Dump-Tip-Spread or the equivalent, to be supplied and mounted by one vendor. Any item not specifically mentioned but necessary for a complete operating package shall be included. Bidder shall note in writing any deviations from these specifications. Failure to do so, or merely providing literature, may be just cause for rejection by the Town.

Stainless steel all season dump body and hoist package shall be installed on the Town of Newington's supplied cab & chassis. Bidder must indicate compliance with each item listed. Failure to indicate "yes or no" for each line item can be grounds for rejection of bid. All exceptions or deviations, no matter how small, must be submitted on a separate itemized statement with the Bid Form.

The Town reserves the right to reject any, or all, or any part of any or all bids when such action is deemed in the best interest of the Town.

Make And Model Proposed:	Comply		Deviations From Specifications
	Yes	No	

Item 1	<p>Body</p> <p>Body shall be constructed completely from 304 Stainless Steel with the exception of the center floor plate and the long members.</p> <p>Body shall have the ability to be used as a conventional dump body or as a material spreader. Unit shall have an integral removable conveyor with the discharge on the left front of body. Two “D” rings mounted inside front of body to accommodate hold downs for leaf boxes. (note: height of rings minimum 10” off floor, 3” off side corners)</p>			
Item 2	The body shall have an inside length of 120” and inside width of 88”			
Item 3	Inside side height shall be 28”, with the tailgate and front head sheet 38”			
Item 4	Body capacity shall be 5 – 7 cubic yards			
Item 5	All welds shall be 100% continuous			
Item 6	The sides, front and tailgate, including all tailgate boxing and bracing, shall be constructed from 3/16” 304 stainless steel, 85,000 PSI.			
Item 7	The floor shall be constructed from 3/16” Hardox 450 205,000 PSI steel.			
Item 8	Long members shall be 10” x 25.4 # S-Beam reinforced internally with three ¼” x 3” channel and externally with eight 1/4” x 2” x 3/16” stainless steel tubes and one additional 4” channel.			
Item 9	The boxed design front corner post shall be ¼” x 4-1/2” x 6”			

Item 10	The 3/16" front head sheet shall be reinforced vertically with two evenly spaced 3" boxed angles and one full width horizontal boxed angle			
Item 11	The boxed rear corner post shall be 1/4" x 4-1/2" x 8-3/4" Four banjo plates two each post, upper and lower tailgate hardware shall be integral with rear corner post			
Item 12	The 4-1/2" x 4-1/2" boxed top rails shall be dirt shedding inward. Top rails shall have 6" board pockets welded to the front and rear corner post			
Item 13	The double acting tailgate shall be six panel boxed perimeter and verticals shall be 4" x 2-3/4" channel with boxed reinforcement, dirt shedding, and "D" ring welded center tailgate for ease of removal			
Item 14	Upper offset tailgate hinges shall be 3/4" lube able and retained with a 1-1/4" stainless steel pin. The 1-1/4" lower pins shall rest in the pin saddle when the tailgate is closed			
Item 15	The latches shall be air operated, over center self locking type, with a timed 1-1/4" cross shaft. All tailgate linkage including air cylinder brackets shall be constructed from 304 stainless steel and lube-able. There shall be two GR43. 3/8" chains and four banjo plates, two each side to secure tailgate in the open position			
Item 16	The underside of the Hardox 450 tilting floor shall be reinforced with a minimum of eight 4" x 2" x 3/16" Stainless steel tubes. The underside of the body shall have factory applied, snow and ice melt resistant undercoat material meeting FMVSS 302-49CFR Code.			
Item 17	The front of the tilting floor shall have 3/16" tapered reinforcement from the inside of the boxed top rail to the hinged floor. A, 2" x 2" angle reinforcement shall be at the top of the taper and retain the front wiper			

Item 18	The rear corner post of the tilting floor shall have 2-1/2" x 2-1/2" capped vertical reinforcement angle			
Item 19	There shall be a minimum of four, heavy duty, bolt on 304 stainless steel replaceable hinges that the floor rotates on. The stainless steel hinge tubes shall be 2-1/4" OD and machined to accept 1-1/4" stainless steel hinge pin, double lip seals on each end and a grease fitting.			
Item 20	Grease line extensions from each hinge shall terminate on a remote manifold mounted in a convenient location. A telescopic safety prop shall be centered on the bottom of the floor			
Item 21	Two 4" double acting cylinders with 2" rods shall be positioned in such a way to achieve a minimum of 35 degree tilt angle with 20 ton capacity. Cylinder rods shall be constructed of Socatri induction harden nickel alloy steel.  Cylinders with external packing glands will not be accepted.			
Item 22	Cab shield shall be 24" 304 stainless steel 3/16" with emergency lighting (Note: Lighting Item 35)			
Item 23	A stainless steel bolt-in removable conveyor shall be located on the left side of the body.			
Item 24	There shall be two hinged Hardox 450 Floor plates that cover the conveyor when not in use. Provisions to retain floor plates in the open position shall be provided			
Item 25	The conveyor shall be constructed completely from 3/16" 304 stainless steel longitudinal, cross members and Hardox 450 floor			
Item 26	Pintle chain shall be a minimum 667X, 14-1/4" CC, 3/8" x 1-1/2" bar flights on 4-1/2 centers. 16" width, 42,000PSI. There shall be two replaceable 1/4" x 3" poly ware strips on the return side to prevent excess ware on chain.			

Item 27	Idler shaft shall be 1-1/4" and drive shaft shall be 1-1/2" with six tooth cast iron sprockets and a 25:1 cast iron front gear box. Lube able bearings shall be on both the drive shaft and idler shafts			
Item 28	An adjustable, 304 stainless steel poly lined material chute shall be frame mounted along with an adjustable 304 removable stainless steel spinner assembly with 18" poly disc. All mounting brackets to be stainless steel			
Item 29	The trunion mounted front telescopic hoist shall be nitrated and allow a minimum of 50 degree dump angle with 25 ton capacity. Frame saddle and mounting is to be provided and factory powder coated black			
Item 30	The rear hinge shall be 4" angle, 1" plate, and 3" wide flame cut hinge pads with Delrin bushings, grease zerks and 2" stainless steel hinge pins.			
Item 31	The plow frame attachment shall be manufactured in such a way as too allow the hood of the chassis fitted with a tilt cowl and stationary grill work to tilt forward over the upper portion of such attachment. Side plates shall be 1/2" thick, reinforced and bolted as far back as possible. Top cross members and vertical risers shall be constructed of 4" x 3" x 1/2" angle. Bottom member shall be 15" x 4-15" 1/2" C-channel, interlaced with vertical members. Dual push centers and cylinder base mounting bracket are mounted to this member. Lift yoke shall be constructed of 1/2" steel side to form a frame. 1-1/8" tube for pivot and 1/4" top plate. Factory powder coated black.			
Item 32	Yoke pivots on 1" diameter full width bolt with castle nut and cotter pin.			
Item 33	Plow lift cylinder shall be 4" double acting, 4" bore with 10" stroke			

Item 34	<p>Tow plate and Pintle hitch (swivel type) with “D” rings shall be 25-ton minimum capacity. Tow plate shall be constructed from 3/4” T1 or equivalent steel, appropriately welded and braced, Tow plate must have minimum 30” obstruction free to rear wheels to accommodate paving box. Tow plate and Pintle hitch shall be constructed to match existing newer fleet vehicles. (Note: Town will interact with builder as to providing tow plate, pintle minimum/maximum heights, and glad hand/quick connect location, two(2) trailer plugs locations and pictures/drawings where needed ). Two tow hooks, rear shall be frame mounted. Trailer wiring shall provide right turn/brake, left turn/brake, tail lights, 12v key power (in lieu of live 12v ) trailer brake wired to cab brake. Controller to be Valley model #32812. Trailer plug part numbers, one (1) Napa# 755-5019 or equivalent and one (1) Napa# 755-2287 or equivalent.</p>			
Item 35	<p>Whelen DOT NES2 LED emergency lighting system shall consist of 2 Stainless steel A boxes with Amber led emergency lights recessed in the front corners of the cab shield at 45 degree angles(to match existing fleet) and 3 stainless steel D light boxes recessed in to the rear body corner post, with One Whelen red LED emergency flasher, One red LED stop, tail and turn, one</p> <p>LED back up light each side and one Amber Tir3 recessed mounted on each rear outside corner posted.(to match existing fleet)</p>			

Item 36	<p>Electrical lighting system</p> <p>Plow lights must interface with and use vehicle provide harness and plugs. No spicing will be accepted. Meyer Light Sabre II mounted on the hood with custom fitted Stainless Steel brackets. Note: all lighting must interface with Electrical system completely sealed in NAPA junction box, all terminals coated with silicone dielectric grease. LED Spinner light, Load area light, and ICC lights. Back up alarm 97db min provide by truck manufacture. (Note: body builder will utilize switches provided by truck manufacture where applicable. Any changes must be approved by the Town of Newington)</p>			
Item 37	<p>Safety and Accessories</p> <p>Ladder, OSHA approved 3 step slide out and down with self cleaning steps and grab handle located at left front corner of body. Stainless steel spring loaded shovel holder. Safety leg to hold the body in raised position, safety leg to hold the floor in raised position, safety decals, mud flaps front and rear of axle with anti sail braces, center mud flap to protect rear brake chambers, Poly fenders over the rear wheels to protect body understructure mounted to frame of truck. Side of body shall have 2”X10” Oak side boards mounted in holders. Body to have stainless steel chock holders mounted in a convenient useable location. Weather guard clear coated tool box min 18” x 18” mounted on right hand side. Owners manuals.</p> <p><u>Safety Equipment</u></p> <p>Two (2) chock blocks. One (1) 5 bound ABC fire extinguisher with truck bracket. One (1) triangular reflector kit with storage box (provide by truck manufacture). One(1) first aid kit. All items mounted in cab (location To Be Determined).</p>			

Item 38	<p><b>Hydraulic System</b></p> <p>The hydraulic system furnished shall be completely installed and be capable of powering and controlling all hydraulic requirements satisfactory, both independently and collectively. Powered by a Chelsea hot shift PTO, Cirus model 420 80 cc pump, direct mount to PTO (No drive shaft), mounted to the chassis automatic transmission.</p> <p>All hydraulic lines that deliver or return oil from control valve to all functions are to be constructed of high pressure Stainless Steel tubing custom formed and mounted in cushion clamps so as to not obstruct normal chassis maintenance. Hydraulic hoses will only be utilized at flex point and shall have swivel fittings on both ends for ease of replacement if necessary.</p>			
Item 39	<p><b>Control Valve</b></p> <p>Control valve shall be a Cirus HYDSE to control the following operations, plow up/down, plow angle, body hoist, body side tilt, spinner and auger, and hydraulic load cover.</p>			
Item 40	<p><b>Hydraulic Reservoir</b></p> <p>Cirus Stainless Steel valve and tank combination, 37 gallon capacity with low oil sending unit, breather cap, sight and temperature gauge, return line filter, and magnetic drain plug. 2" suction line with in tank strainer. Shut off valves shall be ¼ turn ball valves. Valve shall be mounted in weather resistant enclosure with removable access panel. Valve and tank enclosure shall be mounted on the right side frame rail.</p> <p>All hydraulic return lines shall terminate in a common stainless steel manifold before returning through a 10 micron hydraulic reservoir return filter.</p>			

Item 41	<p>Controls</p> <p>In cab controls Del Model DSNP 5 bank air controls mounted on a custom in cab 1 pedestal along with 5 air shifter cylinders mounted on a Sauer Danfoss Model PVG-32 control valve to operate (plow up and down, left and right, body up – down, side dump up - down with down pressure relief and hydraulic load covered</p> <p>Sander controls will be Cirus Model RX Spread Smart automatic ground speed controller, Truck mounted wireless bridge data card, GPS truck mounted receiver and GPS Temp splitter. Wireless download drive by date transfer system to accommodate currant shape maker software.</p> <p>Road Watch temperature sensor to be tied into controller for automatic temperature control. Valve shall be mounted in a stainless steel weatherproof combo tank enclosure with an easily removable cover on the right side frame rail.</p> <p><b>No exceptions</b></p> <p>An 1800 PSI adjustable cushion valve mounted on truck portion of plow hitch set at 1500PSI.</p>			
Item 42	Onspot automatic tire chains to be installed on rear axle.			
Item 43	Load cover shall be Hydraulic Power Cover Model DT-1200, the asphalt tarp operating from central hydraulic system			
Item 45	<p>Paint: underbody and frame</p> <p>Prior to assembly non stainless steel manufactured components shall be factory powder coated. Components or items not able to be powder coated shall be epoxy primed, painted and undercoated with a drying type rust inhibitor type product where applicable</p>			

Item 46	One coal door shall be installed on driver's side of six pane tail gate.			
Item 47	10' rear bolt on asphalt apron.			
Item 48	Fasteners  All bolts, nuts, and fasteners used on body, hoist, hitch and related parts shall be of USA origin with proper markings, grade 8 or better meeting the Fastener Quality Act (FCA) which requires them to meet or exceed the requirements of SAE J429 Standards.(Note: All nuts must be flange type)  All other equipment used for mounting allied equipment will use stainless steel fasteners.(IE: mounting bracket affixed to outside body, hose mounts and clamps, miscellaneous hardware)			
Item 49	Note: All stainless steel components described above must be 304 stainless steel			
Item 50	Note: All Hardox steel described above must be AR 450 205,000 PSI steel			
Item 51	All welding performed must be in compliance with current AWS procedures and guide lines recognized within the state of manufacture			
Item 52	Manufacture shall attach their standard warranty statement. All components described herein shall carry a one year warranty			
Item 53	Conspicuity tape:  Red and white, both sides and tailgate			
Item 55	<i>All items, mounted and painted, FOB Newington, Connecticut</i>			

Item 54	<p>Snowplow:</p> <p>Henderson Model #11X40/56 or equal equivalent</p> <p>One way power reverse, full trip edge 30.5 swivel bar and cable lift (Note: All quick disconnects must be stainless steel and match existing fleet)</p> <p>Price Plow Separately</p>			
Alternate 1	<p>Complete body constructed from 3/16" AR 450, 205,000 psi steel with stainless steel tailgate linkage and stainless steel removable conveyor assembly. Body and frame to be factory powder coated. Components or items not able to be powder coated shall be epoxy primed, painted with underbody also undercoated with a drying type rust inhibitor type product where applicable. Paint to be (Ameron type or equivalent approved by the Town ). Color Omaha Orange.</p>			

TOWN OF NEWINGTON  
ONE (1) NEW HIGHWAY TRUCK  
BID FORM

Town Manager  
Town of Newington  
131 Cedar Street  
Newington, CT 06111

In accordance with the specifications, the undersigned hereby submits the following bid for one (1) new truck, for use by the Newington Highway Department, delivered, for the amount of:

\$ \_\_\_\_\_.

Make \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_.

In accordance with the specifications, the undersigned submits the following bid for associated snow fighting equipment (NOT including the snow plow), installed on the truck, for the amount of:

\$ \_\_\_\_\_.

Body shop \_\_\_\_\_ Model \_\_\_\_\_.

Snowplow

In accordance with the specifications one Henderson Model #11X40/56 snowplow or equivalent, with one way power reverse, full trip edge 30.5 swivel bar and cable lift.

\$ \_\_\_\_\_.

Alternate 1

Complete body constructed from 3/16" AR 450, 205,000 psi steel with stainless steel tailgate linkage and stainless steel removable conveyor assembly. Body and frame to be factory powder coated. Components or items not able to be powder coated shall be epoxy primed, painted with underbody also undercoated with a drying type rust inhibitor type product where applicable. Paint to be Ameron type or equivalent (approved by the Town ). Color Omaha Orange.

\$ \_\_\_\_\_ .

The warranty is for \_\_\_\_\_.

The manufacturer's warranty and one set of manufacturer's specifications are enclosed. The undersigned is submitting this bid without collusion with any other individual or corporation.

SUBMITTED FOR

SUBMITTED BY

Firm: \_\_\_\_\_ Signature \_\_\_\_\_

Address: \_\_\_\_\_ Name: \_\_\_\_\_

\_\_\_\_\_ Title: \_\_\_\_\_

\_\_\_\_\_ Telephone: \_\_\_\_\_