



Town of North Kingstown, Rhode Island

Department of Public Works
2050 Davisville Road
North Kingstown, RI 02852-1799
Phone: (401) 268-1500
Fax: (401) 267-9036
Web: www.northkingstown.org

INVITATION FOR BIDS

**NEW 2016 ALUMINUM CAB SEVERE DUTY DUMP TRUCK WITH 10' PLOW PACKAGE
and
NEW 2016 ALUMINUM CAB SEVERE DUTY DUMP TRUCK WITH 10' BUTTERFLY PLOW
PACKAGE**

Sealed proposals for the above will be accepted in the Office of the Director of Public Works, 2050 Davisville Road, North Kingstown, RI 02852-5762, until 10:00 a.m. on July 7, 2015 at which time proposals will be publicly opened and read.

NO BIDS WILL BE ACCEPTED AFTER THE 10:00 A.M. DEADLINE

The bid shall be awarded on the basis of the lowest evaluated or responsive bid price.

Specifications may be obtained at the Administration office at the Public Works Facility, 2050 Davisville Road or electronically by contacting Kim Jones at Kjones@northkingstown.org or by phone at (401) 268-1500, x601.

The Town of North Kingstown reserves the right to reject any or all proposals or parts thereof; to waive any informality in same, or accept any proposal deemed to be in the best interest of the Town.

The Town of North Kingstown will provide interpreters for the hearing impaired at any pre-bid or bid opening, provided a request is received three (3) days prior to said meeting by calling 268-1500, x601.

Kim Jones
Public Works Programs Coordinator

SELECTION CRITERIA

The bid will be evaluated as to R.I.G.L. 45-55-5.(2) "Competitive Sealed Bidding", and the award shall be made on the basis of the lowest evaluated or responsive bid price.

The following factors will be considered in determining the lowest evaluated or responsive bid price:

Bid Price;

Meets or exceeds bid specifications; line-by-line items are included with each bid specification. Each line is to be filled in, yes or no, with any exceptions noted.

Delivery date;

Proximity to Public Works Facility for service

Warranty/Guarantee;

All items bid to be NEW-No demonstrators, used or prototypes will be accepted;

Past performance by brand name bid;

Early Payment Discount.

TRADE-INS

There is a trade in for each bid option:

Bid Option I: 1994 Ford LN8000 Dump Truck with 55,490 miles, VIN#1FDYR82E6RVA35430, (Highway truck No. 73), AS IS, WHERE IS.

Bid Option II: 2004 GMC TC7500 Dump Truck with 45,160 miles, VIN#1GDP7C13X4F505868, (Highway truck No. 77), AS IS, WHERE IS.

Trade-in vehicles may be seen at the Public Works Facility, 2050 Davisville Road, North Kingstown RI, between the hours of 7:00 a.m. – 3:00 p.m. Please contact (401) 268-1500, x633 for more information or to schedule an appointment.

BID SPECIFICATIONS

**NEW 2016 ALUMINUM CAB SEVERE DUTY DUMP TRUCK WITH 10' PLOW PACKAGE
and
NEW 2016 ALUMINUM CAB SEVERE DUTY DUMP TRUCK WITH 10' BUTTERFLY PLOW PACKAGE**

The Town of North Kingstown is looking to purchase 2 new 2016 severe duty aluminum cab trucks with 11' Hardox 450 hardened steel dump bodies, each with a snow removal package as described in specifications (#7 & #8). Any makes and models that meet or exceed the specifications will be considered, provided adequate information is included. The Town reserves the right to award bid to purchase one or both vehicles depending on overall price and available funding.

Line-by-line items are included with the bid. Each line is to be filled in, yes, or no, with any exceptions noted.

	<u>YES</u>	<u>NO</u>
1. <u>Cab & Chassis for Bid Options I & II:</u>		
108" BBC steel-reinforced aluminum conventional cab	_____	_____
Expected axle load: Front – 18000.0 lbs Rear – 26000.0 lbs	_____	_____
Expected GVW capacity: 44,000 lbs; GVW combined: 80,000 lbs	_____	_____
Cummins ISL 330HP, @2000 RPM; 2200 GOV RPM; 1000 LB/FT @1400 RPM	_____	_____
Allison 3500 RDS automatic transmission with PTO provision	_____	_____
PTO minimum RPM – 700; PTO mode engine RPM	_____	_____
Limit – 1100 RPM; PTO governor ramp rate-250 RPM per second	_____	_____
PTO RPM with cruise resume switch – 800 RPM	_____	_____
Electronic engine integral warning and derate protection system	_____	_____
10' 6" (126 inch +0/-5 inch) exhaust system height	_____	_____
RH curved vertical tailpipe B-pillar mounted routed from step	_____	_____
Stainless steel aftertreatment device/muffler/tailpipe shield	_____	_____
6 gallon diesel exhausts fluid tank	_____	_____
Cummins turbocharged 18.7 CFM air compressor w/internal safety warning	_____	_____
Antifreeze to -34°F, NOAT extended life coolant	_____	_____
2015 Onboard diagnostics/2010 EPA/CARB/GHG14	_____	_____
2008 CARB Emission Certification – Clean idle	_____	_____
Standard oil pan; oil fill and dipstick located for enhanced serviceability	_____	_____
DR 12v 160 amp 28-SI quadramount pad alternator w/remote battery volt sense	_____	_____
18,000# Flat leaf front suspension	_____	_____
Vehicle interface wiring with body builder connector mounted back of cab, no blunt cuts	_____	_____
Front shock absorbers	_____	_____
5.38 Rear axle ratio	_____	_____
Brake cams and chambers on forward side of drive axle	_____	_____
26,000# T-Series single rear suspension with helper and radius rod	_____	_____
Blinking lamp with each mode switch, differential unlock with ignition off, Active <5 MPH	_____	_____
Spring suspension – no axle spacers	_____	_____
Fore/Aft control rods	_____	_____
Primary connector/receptacle wired for separate stop/turn, ABS center pin powered through ignition	_____	_____
SAE J560 7-way primary trailer cable receptacle mounted end of frame	_____	_____
162" Wheelbase	_____	_____
7 /16 x 3 9/16 x 11 1/8 inch steel frame	_____	_____
Body company installed additional front frame reinforcement for snow plow	_____	_____
14 inch painted steel bumper	_____	_____
VENDOR NAME: _____	_____	_____

	<u>YES</u>	<u>NO</u>
Front tow hooks; frame mounted	_____	_____
Alliance fuel filter/water separator	_____	_____
315/80R22.5 20 ply radial front tires	_____	_____
12R22.5 16 ply radial rear tires	_____	_____
Non-removable bug screen mounted behind grille	_____	_____
LH and RH grab handles	_____	_____
Door locks and ignition switch keyed the same	_____	_____
Rear license plate mount end of frame	_____	_____
Integral stop/tail/backup lights	_____	_____
Standard front turn signal lamps	_____	_____
Halogen composite headlamps with black bezels	_____	_____
LED aerodynamic marker lights	_____	_____
Dual west coast molded-in color heated mirrors	_____	_____
Door mounted mirrors	_____	_____
LH & RH 8 inch molded-in color convex mirrors mounted under primary mirrors	_____	_____
Side/rear reflectors	_____	_____
Manual door window regulators	_____	_____
Vinyl interior	_____	_____
Molded plastic door panel without vinyl insert with aluminum kickplate lower door	_____	_____
Heater, defroster, air conditioner, with heavy duty AC compressor	_____	_____
Fixed steering column	_____	_____
(1) Cup holders – LH & RH dash	_____	_____
Standard HVAC ducting with snow shield for fresh air intake	_____	_____
12V Negative ground electrical system	_____	_____
Dome light with 3-way switch activated by LH and RH doors	_____	_____
Cab door latches with manual door locks	_____	_____
(1) 12V power supply in dash	_____	_____
AM/FM radio w/ front and rear auxiliary inputs	_____	_____
Triangular reflectors without flares	_____	_____
Basic high back air suspension driver seat w/ mechanical lumbar and integrated cushion extension	_____	_____
Basic high back non-suspension passenger seat	_____	_____
LH & RH Integral door panel armrests	_____	_____
3-point high visibility orange retractor driver and passenger seat belts	_____	_____
Driver and passenger interior sun visors	_____	_____
Low air pressure indicator light and audible alarm	_____	_____
2 inch primary and secondary air pressure gauges	_____	_____
Black gauge bezels	_____	_____
Intake mounted air restriction indicator light without graduations	_____	_____
97 DB backup alarm	_____	_____
Key operated ignition switch and integral start position; 4 position - off/run/start/accessory	_____	_____
(1) dash mounted PTO switch with indicator lamp for customer installed PTO	_____	_____
Ignition switch controlled engine stop	_____	_____
Six on/off rocker switches in the dash with indicator lights; four wire to chassis at back of cab; two unwired, label all opt.	_____	_____
Marker light switch integral with headlight switch and dual connectors and switch for customer furnished snow plow lights, low beams off with high beams	_____	_____
Integral electronic turn signal flasher with hazard lamps overriding stop lamps	_____	_____

VENDOR NAME: _____

	<u>YES</u>	<u>NO</u>
Cab one solid color: School Bus Yellow	_____	_____
Black, high solids polyurethane chassis paint	_____	_____
Standard black bumper paint	_____	_____
2. <u>Dump Body:</u>		
Body dimensions: 11' inside length; 87" inside width; minimum 95" outside width.	_____	_____
Primary body construction shall be HARDOX 450 WITH 215,000 PSI tensile rated steel	_____	_____
All seams 100% fully welded	_____	_____
Body to have NO vertical or horizontal bracing – NO EXCEPTIONS	_____	_____
Side height shall be a minimum of 30" high with sideboard pockets	_____	_____
Side shall be formed with a single pressed-in horizontal brace for increased rigidity – NO EXCEPTIONS	_____	_____
Top rail shall be a 4"x3"x3/16" minimum thickness structural tube	_____	_____
Board pockets shall be 2.75" wide & fabricated with 3/16" steel	_____	_____
All body seams 100% fully welded	_____	_____
Floor shall be one-piece – MULTI-PIECE FLOORS NOT ACCEPTABLE	_____	_____
Dump body floor shall be 1/4" thick Hardox 450 steel (215,000 PSI)	_____	_____
Front bulkhead shall be designed with 7.5"x7.5" 90° front corners to aid in avoiding exhaust interference issues	_____	_____
Front sheet to floor transition shall be welded piece of steel at an approximate 45° for easy cleanout	_____	_____
24" cab shield; fully welded to front wall	_____	_____
Understructure longitudinals shall be formed with 3/16" 44W steel with 80,000 PSI tensile strength	_____	_____
Mounting height of no more than 6"	_____	_____
Body shall be CROSSMEMBERLESS – NO EXCEPTIONS	_____	_____
Tailgate height shall be a minimum 42" high, constructed with 3/16" Hardox 450 with 215,000 PSI tensile rated steel	_____	_____
Single, dirt shedding, formed upper and lower brace tailgate outer frame; outer side bracing shall be 3"x4"x3/16" structural tubing	_____	_____
Top mount hinge shall have a 9" offset	_____	_____
All tailgate hinge linkage must have grease zerks at all pivot points	_____	_____
Double acting, air-operated tailgate	_____	_____
Zinc chromate tailgate locking mechanism; individually adjustable – NO EXCEPTIONS	_____	_____
Mechanism pivot bearings and locking device thread shall be able to be greased	_____	_____
Rear posts shall be one-piece construction and fabricated out of a minimum of 3/16" 44W steel 85,0000 PST tensile rated	_____	_____
Hoist to be low mounting front telescopic with fully nitride cylinder surface – NO EXCEPTIONS	_____	_____
24-35 ton hoist cradle shall be 32 3/8" W x 13" D	_____	_____
Body shall be sandblasted and primed with a 2-part epoxy primer at a minimum thickness of 4mm	_____	_____
Primer salt spray resistance must be a minimum of 1,500 hours; primer manufacturer's literature showing the required minimum salt spray resistance must be submitted with the bid – NO EXCEPTIONS	_____	_____

VENDOR NAME: _____

	<u>YES</u>	<u>NO</u>
Bolt on 12" asphalt apron	_____	_____
Pintle hitch with 3/4" tow plate to be 25 ton with D-rings, gladhands to chassis supplied air; RV-style plug	_____	_____
Body painted School Bus Yellow	_____	_____
Aero 500 Automatic Load Cover	_____	_____
Stainless steel tool box	_____	_____
Warranty: Three (3) years on Body; Two (2) years on Lift Cylinder	_____	_____
Distributor or representative shall have a service and parts facility within 50 miles of the NK DPW facility	_____	_____

3. Hydraulic System:

System to be furnished and completely installed to power and control all hydraulic requirements, both independently and collectively	_____	_____
80CC minimum variable displacement pump – directly mounted to PTO	_____	_____
Electric shift PTO	_____	_____
Load sense control valves with Airquip test fitting (inlet with relief, plow up and down, left and right, body up, with pressure relief)	_____	_____
Stainless steel enclosure for entire valve assembly	_____	_____
In-cab cable controls on reinforced pedestal acceptable to Fleet Foreman	_____	_____
In-cab load sense 2FFL (to operate sander) mounted on an enclosed pedestal, to be positioned as per Fleet Foreman, with SS lines to the rear for sander	_____	_____
All holes in the chassis floor must be sealed	_____	_____
Hydraulic tank, to be mounted under body on curbside, 37 gallon capacity, with low oil sender, breather cap and sight/temp gauge	_____	_____
Low-oil shutdown system	_____	_____
Stainless steel 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 1/2" ID stainless steel pipe, custom bent and mounted in cushion clamps; piping shall not obstruct normal maintenance items	_____	_____
Hydraulic hose may only be utilized at flex points and must have swivel fittings on both ends for ease of replacement if necessary	_____	_____

4. Electrical:

Plow lights will be Truck Lite #80800 mounted on the hood	_____	_____
Electrical shall be a completely sealed system with Truck Lite junction box; all terminals shall be coated with silicone dielectric grease.	_____	_____
ICC LED lighting	_____	_____
Audible back up alarm	_____	_____
Body up alarm both <u>visual</u> and audible	_____	_____
All auxiliary electrical components to be powered via chassis-supplied auxiliary switches	_____	_____

5. Lighting:

Whelen LED Amber Strobes mounted in the front of the cabshield on 45° angle; two (2) Whelen LED Amber Strobes mounted in the rear corner posts with

VENDOR NAME: _____

	<u>YES</u>	<u>NO</u>
Wiring to the cabshield lights MUST be run in stainless steel tubing.	_____	_____
LED S/T/T and reverse lights. All wiring must run through PVC to the rear.	_____	_____

6. Heavy Duty Plow Frame

Frame attachment shall be manufactured so that it allows the hood of a chassis fitted with a tilt engine cowl and stationary grille work to tilt forward over the upper portion of such attachment	_____	_____
Side plates 1/2" thick, reinforced and bolted to front frame extensions	_____	_____
5/8" cheek plates securing plow frame to side plates	_____	_____
Top cross members and vertical risers shall be constructed of 4"x 3"x 1/2" angle iron	_____	_____
Plow frame shall be severe duty, built to handle adverse road conditions	_____	_____
Bottom member is to be of 15" x 4 1/2" x 1/2" C-channel, interlaced with vertical members	_____	_____
Lift yolk to be constructed of 1/2" steel sides to form a frame, 1 1/8" tube for pivot and 1/4" plate for top. Yolk to pivot on a 1" diameter full width bolt with castle nut and cotter pin	_____	_____
Frame shall be dual push points at three heights - 21" & 30.5" centers	_____	_____
Plow frame shall have a three (3) year warranty	_____	_____

7. Bid Option I - 10' Power Angle Plow:

Overall width - 10'	_____	_____
Plow cylinder to be double acting, 4" bore x 10" stroke	_____	_____
Height of plow with 8" cutting edge minimum 39"	_____	_____
Inverted "J" design moldboard	_____	_____
Moldboard to be 7 ga, one piece	_____	_____
Minimum of (10) 1/2" one piece plasma cut ribs	_____	_____
All pivot points will have grease zerks or fittings	_____	_____
Springs shall each be pinned in place horizontally and shall butt to the lower moldboard reinforcement along with the cutting edge reinforcement	_____	_____
Spring shaft shall be a solid rod	_____	_____
Trip edge backing assembly shall be one continuous piece	_____	_____
Plow shall be equipped with (2) 3 1/2" bore x 16" stroke hydraulic reversing cylinders with polypak type B seals and cushion valve	_____	_____
Truss frame shall include a main drive member from 4" square tubing with 3/8" wall	_____	_____
Moldboard and truss frame shall pivot about the A-frame on a lubricated pin; pin shall be designed in such a way that it will be easily removed for maintenance	_____	_____
Push centers for plow shall be 30.5" OC	_____	_____
Lift shall be accomplished via HD Cable/Shieve	_____	_____
All body parts shall be sandblasted; primer applied and painted School Bus Yellow	_____	_____
Warranty shall be a minimum of three (3) years on the body and parts and two (2) years on the cylinders	_____	_____

8. Bid Option II- Power Angle 10' Butterfly Plow:

Plow shall be as described in #7 except it shall be a power angle 10' butterfly with torsion trip 36 center; 30.5 " centers to 45" ends	_____	_____
---	-------	-------

9. Delivery

Truck(s) shall be delivered as a complete unit with equipment package fully installed and operational; unit(s) must include anything necessary but not specifically mentioned to have a complete and operational unit.	_____	_____
--	-------	-------

TOWN OF NORTH KINGSTOWN, RHODE ISLAND

PROPOSAL FORM

To: Town of North Kingstown
80 Boston Neck Road
North Kingstown RI 02852-5762

OPTION I: NEW 2016 ALUMINUM CAB SEVERE DUTY DUMP TRUCK WITH 10' PLOW PACKAGE

I, (We), the undersigned, agree to furnish to the Town of North Kingstown, a new 2016 Dump Truck with 10' Plow Package, according to the specifications:

Year: _____ Make: _____ Model: _____

_____ \$ _____
(Price in words) (Price in figures)

Less trade in 1994 Ford LN8000 VIN#1FDYR82E6RVA35430 - \$ _____

TOTAL NET BID PRICE \$ _____

DELIVERY DATE: _____

TERMS: _____

DISCOUNT FOR EARLY PAYMENT: _____

OPTION II: NEW 2016 ALUMINUM CAB SEVERE DUTY DUMP TRUCK WITH 10' BUTTERFLY PLOW PACKAGE

I, (We), the undersigned, agree to furnish to the Town of North Kingstown, a new 2016 Dump Truck with 10' Butterfly Plow Package, according to the specifications:

Year: _____ Make: _____ Model: _____

_____ \$ _____
(Price in words) (Price in figures)

Less trade in 2004 GMC TC7500 VIN#1GDP7C13X4F505868 - \$ _____

VENDOR NAME: _____

TOTAL NET BID PRICE

\$ _____

DELIVERY DATE: _____

TERMS: _____

DISCOUNT FOR EARLY PAYMENT: _____

COMPANY NAME: _____

ADDRESS: _____

SIGNATURE: _____

(Please print name and title)

TEL: _____ DATE: _____