GOVERNMENT OF THE DISTRICT OF COLUMBIA
Department of Public Works

Office of Contracting and Procurement

REQUEST FOR INFORMATION (RFI)

TO: POTENTIAL RESPONDENTS

RFI Number: **DCKT-2011-I-0048**

Caption: **6 Wheel Dump Trucks, Snow Ready**

Issuance Date: **December 29, 2010**

Due Date: **January 5, 2011**

The Government of the District of Columbia ("District"), Office of Contracting and Procurement on behalf of the Department of Public Works has a need to procure 6 wheel dump trucks. DPW is conducting market research to determine what is commercially available to meet the District's minimum need.

Treatment of RFI Responses and Respondents

This is not a Request for Offers. Rather, following review of the RFI responses, the District may prepare one or more Solicitation for Bids for dump trucks.

The District considers responses to this RFI as part of its outreach and research effort; and as such, more in the nature of a survey. The District intends to use the information in the responses to establish parameters and requirements included in the Solicitation for Bids. Potential respondents must determine for themselves, the relative advantages and disadvantages of responding to the RFI.

The District assumes no responsibility or liability for any potential claim of harm and damage. By submitting a response, the respondent expressly acknowledges that the District assumes no such responsibility or liability.

SUBMISSION OF RESPONSES

It is not the intention for this RFI to be an extensive or expensive undertaking for Respondents. Rather concise descriptions are desired. Glossy production quality and expensive productions are neither desired nor required.

The RFI responses should address the questions listed in Item 6 below. Responses should be emailed to the attention of Lucille Vest, Contract Specialist at Lucille2.vest@dc.gov.

5. Response Submission Date:

The closing date for receipt of responses is January 5, 2011 on or before 2:00 p.m. local time to the addresses listed above.

Questions may be referred to Gena Johnson or Lucille Vest via email - gena.johnson@dc.gov or Lucille2.vest@dc.gov. Questions regarding this Request for Information must be received in writing no later than 10:00 a.m. on January 3, 2011.

6. Questions:

A. The District's current specifications dump trucks are provided as Attachment A. Do you offer a truck that meets all of the specifications?

   i. If yes, provide model number for chassis and body.
   ii. If no, provide the model number for the chassis and body that most closely meets the District's specification and note the deviations from the specifications in Attachment A. State any specific items that you would like the District to consider as it develops its final specifications.

B. What is the delivery leadtime for the truck you offer?

C. For budgeting purposes, what is the price for the truck you offer? How many units would need to be ordered to receive a quantity discount? What would be the discount?

D. Have you in the last 24 months sold the truck stated in response to Question A to a public sector client? If yes, to whom? Please provide a contact person name and email address.

Specifications for 6 Wheel Dump Truck with 10 ft. Body
Kenworth T-470 with Snow Package or equal

C.1 DUMP TRUCK, SNOW READY (Kenworth T-470 or equal)

C.1.1 Safety Equipment
C.1.2 First Aid Kit J&J #8161 or equal
C.1.3 Fire extinguisher: 5 pound dry chemical type mounted in the cab
C.1.4 Triangle Kit
C.1.5 Back –up Alarm: Horn or Buzzer type
C.1.6 Seat belts and Air bags

C.2 RESERVED

C.3 VEHICLE

C.3.1 Conventional Cab w/two person seating
C.3.2 Wheelbase: compatible with body
C.3.3 Cab Color: Bright White
C.3.4 4 sets of vehicle keys (All trucks keyed alike ignition and doors)
C.3.5 Doors to utilize piano-type hinges
C.3.6 Driver's seat, Air Cushion and (2) man bench vinyl
C.3.7 Electric LH and RH door locks and power windows
C.3.8 Single air horn under cab
C.3.9 Convex mirrors on mirror brackets both sides 8 ½ inch
C.3.10 Heated and remote controlled mirrors (7x16) both sides
C.3.11 Adjustable Telescoping tilt steering column

C.4 VEHICLE DATA

C.4.1 Operator's Manual
C.4.2 Service Manual
C.4.3 Parts Manual
C.4.4 Vehicle wiring and pneumatic system drawings and diagrams
C.4.5 Certificates of origin

C.5 GROSS VEHICLE WEIGHT RATING (GVWR)

C.5.1 Minimum 40,600 lbs.
C.5.2 Minimum Front Axle Rating: 14,600 lbs.
C.5.3 Minimum Rear Axle Rating: 23,000 lbs.

C.6 VEHICLE CHASSIS

C.6.1 Color: Manufacturer's Standard
C.6.2 Front Tapered painted Steel Bumper

C.6.3 Right hand vertical exhaust with single curved tailpipe **(Not to exceed Dump Body Height)**
C.6.4 Heavy Duty Frame: RBM is 1, 776,00 in lbs. per rail
C.6.5 Two front tow hooks
C.6.6 Extended front frame rail for snow frame

C.7 SUSPENSION/AXLES

C.7.1 Front springs taper leaf with shocks: Manufacturer's Heavy Duty
C.7.2 Rear Shock Absorbers: heavy duty with rear stabilizer
C.7.3 Rear springs multi-leaf type 26,000 rated with helper
C.7.4 Diffential Axle ratio: 5.25
C.7.5 Front axle w/synthetic lube hubs
C.7.6 Rear diffential lock controlled in cab by driver
C.7.7 Brake dust shields on all axles

C.8 WHEELS & TIRES

C.8.1 Front: 22.5x8.25 or State Offering
C.8.2 Rear: 22.5x8.25 or State Offering
C.8.3 Two Spares: 22.5x8.25 or State Offering
C.8.4 Mud Flaps front and rear
C.8.5 Front Tires: 12R/22.5 Highway Tread 16ply
C.8.6 Rear Tires: 11R/22.5 Deep Heavy lug M&S 14 ply
C.8.7 Two spare mounted: 11R/22.5 Deep Heavy lug M&S 14 ply

C.9 STEERING

C.9.1 Power assist steering

C.10 BRAKES

C.10.1 4 Channel, 4 modulator, ABS Air brakes
C.10.2 Heated brake Air Dryer AD-IS Bendix
C.10.3 Front Brake Drums: minimum 16 x 5 in. S CAM
C.10.4 Rear Brake Drums; 16 ½ x 7 in. S CAM
C.10.5 All rear brake chambers must be mounted as high as possible

C.11 ENGINE

C.11.1 Type: Diesel water cooled, turbo charged and after cooled Cummins 8.3liter or equal.
C.11.2 Net S.A.E. horsepower: minimum 260 at 2200 RPM
C.11.3 Torque: minimum 660 ft lbs at 1300 RPM
C.11.4 Block heater
C.11.5 Water cooled air compressor w/filtered air intake 18.7 CFM
C.11.6 Protective automatic engine shutdown
C.11.7 Filter/water separator heated with sensor
C.11.8 Heavy Duty Radiator: minimum 1000 square inches

C.11.9 Radiator mounted air to oil power steering cooler

C.12 TRANSMISSION

C.12.1 Automatic 5 speed close ration Allison 3000 RDS or equal
C.12.2 Transmission cooler
C.12.3 Synthetic fluid
C.12.4 Severe Rear Transmission Support

C.13 POWER TAKE OFF (PTO)

C.13.1 Direct mounted to Transmission (Hot Shift)
C.13.2 Speed up and cut-out control

C.14 ELECTRICAL

C.14.1 12 volt negative ground
C.14.2 160 amp alternator: minimum
C.14.3 Heavy duty starter
C.14.4 Two Batteries, Treaded post 1400 CCA Dual purpose
C.14.5 Trailer harness with 7 pole female receptacle with rubber boot
C.14.6 Battery discount switches with (2) mounted on battery box
C.14.7 Jump start terminals frame mounted back of cab
C.14.8 Battery box cantilever aluminum BOC with fiberglass cover located on right hand side.
C.14.9 All lights will be: (Stop, Tail, Turn and (2) back up light) L.E.D.
C.14.10 Five marker lights will be LED
C.14.11 Circuit breakers replacing fuses (Does not apply to any 5-amp fuse box position. Breakers include stop, brake, turn, tail lamp, high & low beams, marker, clearance lamps, horn, fuel heat, gauges, wipes, air dryer, HVAC controls and panel lamps.

C.15 FUEL SYSTEM

C.15.1 Fuel Tank: minimum 60 gallons, mounted LH
C.15.2 E.J. Ward Canceiver

C.16 CAB INTERIOR

C.16.1 Heat/Defroster/Air Conditioner

a. Multi Speed
b. Manual CFC Free

C.16.2 Instrumentation

a. Speedometer
b. Odometer
c. Tachometer

- **d.** Fuel Gauge
- **e.** Water Temperature Gauge
- **f.** AM/FM/Radio
- **g.** Oil Pressure
- **h.** Volt meter
- **i.** Air inlet restriction gauge
- **j.** Transmission temperature gauge

C.17 DUMP BODY

C.17.1 10 foot model, 6 to 8 cubic yard capacity

- **a.** Inside width shall be 84", outside width shall be 96"
- **b.** Sides shall be 30"
- **c.** Tailgate shall be 40"
- **d.** Front shall be 48"
- **e.** All 201 stainless steel type 2B
- **f.** Type 4 finish will be unacceptable
- **g.** Body will be provided with be stainless steel exterior, understructure primed at the factory
- **h.** All hardware above the floor shall be 201 stainless steel
- **i.** Body shall be painted Tangier Orange

C.17.2 Sides and Front

- **a.** Shall be fabricated from 7 gal. 201 stainless steel
- **b.** Shall have 2" wide board pockets
- **c.** One intermediate side brace
- **d.** Side brace to be pressed-in. Welded or added on bracing not acceptable
- **e.** Side rubrail shall have 45-degree slope
- **f.** Top rail shall be a boxed section, dirt-shedding
- **g.** All welds shall be continuous
- **h.** Roadside front grip strut ladder with inside step
- **i.** Tread-Grip walkway full length both sides
- **j.** Front shall have a pressed in brace for added strength

C.17.3 Tailgate

- **a.** 6-Panel design
- **b.** To be 7 gal. 201 stainless steel
- **c.** 1-1/2" thick upper tailgate hinges shall be 201 stainless steel, offset forward approximately 5" and shall have 1-1/4" stainless steel pivot pins with zerk lubrication
- **d.** Lower latch pins 1-1/4" stainless steel
- **e.** Upper and lower dogleg slotted chain keepers are to be 201 stainless steel with sufficient plated chain to allow tailgate to lay flat
- **f.** **ALL** tailgates will be inter changeable

C.17.4 Floor and Understructure

- **a.** Floor shall be fabricated from ¼" AR400
- **b.** 8" radius floor wings at sides are to be ¼" 201 stainless steel
- **c.** Western style understructure, no cross members, 7 gauge tubular "V" longsills
- **d.** Underside of body to be undercoated

C.17.5 Tailgate Latch

a. Shall be retractable type with minimum 1" 201 stainless steel flame cut latch finger
b. Air release with cab control

C.17.6 Lights and Reflectors

- **a.** LED lights shall meet federal FMVSS No. 108
- b. LED combination stop/turn tailgate shall be recessed and mounted low in rear corner pillars. Three cut-outs in each rear pillar. LED back up lights mounted above STT. LED Amber strobes mounted above taillights. There shall be a 1" deep stainless steel protective rim around all three recessed lights.
- c. LED clearance lights shall be recessed for protection and mounted in rubber sockets
- **d.** Wiring shall be one-piece and in a plastic convoluted loom

C.17.7 Crysteel Roller Combo Hoist Model RC 750 or Equal

- **a.** NTEA Performance Class 50
- **b.** Standard double acting cylinder
- **c.** Single chromed cylinder
- **d.** Cylinder bore 7"
- **e.** Cylinder stroke 21-5/8"
- **f.** Maximum operating pressure 2000 PSI
- **g.** Internal bypass to protect cylinder from damage
- **h.** Load capacity 17.2 tons for 10" body length
- **i.** 50 degree dumping angle
- **j.** Hoist shall have patented "roller Combo" design with the initial lift point ahead of the center line of the body, directing the force of the hoist cylinder upwards for more breakaway power before transferring it to a scissors action
- **k.** Full-length subframe for added stability
- **l.** Rear hinge fabricated with 5" x 3" x 3/8" x 36-1/2" structural angle
- **m.** Hinge pins 1-3/4" x 5-13/16" C1045 steel round with grease zerks
- **n.** Body prop to support empty body weight

*** Capacities based on water-level load, 12" overhang, 50 degrees dump angle and includes body weight***

C.17.8 Central Hydraulics System

- **a.** CS Series Hot Shift PTO
- **b.** PK series direct mount pump

c. (3) V20 series double acting valves for dump body up/down, plow up/down and plow reverse with power beyond to a QDB series manual spreader valve. V20 valves mounted behind cab between frame rails.
d. RVC series sealed cable cab controls and console mounted in cab between bucket seats.
e. 35 gallon tank built in return line filter, site gauge w/temp gauge, gate valve, suction line screen and 35 gallon of dextron III MP hydraulic oil
f. HD hoses, quick disconnects and dust covers to front and rear of truck. Spreader quick connects to be mounted to sides of truck behind mud flaps. Spinner connections on road side. Conveyor connections on curb side.

C.17.9 1/2 CABSHIELD LOAD-BEARING

a. Shall be 7 gauge 201 stainless steel, 35,000 PSI yield strength, 85,000 PSI tensile strength
b. Shall be full width, 88-1/2" wide with 8" front
c. Shall attach by welding 100% with stainless steel welding wire
d. Shall project over cab (24")
e. Two oval cut-outs in front face of cab shield for L.E.D. AMBER strobe lights.
f. One cut-out on each side wing for L.E.D. AMBER strobe light

C.17.10 Steel Splash Shields in front of rear axle
C.17.11 3/4" Pull plate recessed between frame rails. 20 ton spring loaded pintle hook mounted 24' from ground to center of hook. HD "D" rings. 7 pin round receptacle. Chassis taillights mounted inside C-channel of frame. License plate with light mounted between taillights.
C.17.12 Pioneer 600 series spring loaded trap system with powder coated steel housing recessed into rear of cab shield. Stainless steel rope tie off hook (2) mounted on roadside front rub rail and (2) mounted on lower rail of tailgate in center. Trap hooks mounted on top of tailgate.
C.17.13 4" round LED work light mounted roadside rear under body. Wired to factory switch on dash.
C.17.14 Western Nighthawk Halogen snow plow lights mounted on aluminum brackets and bolted to sides on hood. Lights to be mounted high enough to shine over snow plow when in the raised position. Wired to factory switch on dash
C.17.15 (6) Federal LED Oval Amber strobe lights. (2) mounted in rear corner posts and (4) mounted in cab shield. All wired to (1) factory switch on dash

C.18 PLOW VALK TYPE

A. RV 801-60 8ft. 950lbs
B. BH 700 Snow plow hitch
C. Steel Wheels
D. Rubber Snow shield on top
E. Wraparound curb ends on Blades
F. Mold board end markers
G. 1 each Carbide blade
H. 2 each extra Carbide blades per plow
I. 1 each single stage heavy duty hydraulic cylinder

C.19 HYDRAULIC SPEADER

C.19.1 GENERAL: This specification describes a heavy-duty, self-contained hopper spreader designed to spread free-flowing material from 4 to 40 feet. Spreader consists of steel body and spinner assembly, top screens, pintle-chain conveyor system, power drive and all components required to deliver maximum performance.

C.19.2 Body: Shall be of all welded 12-gauge 304 stainless steel construction and 6.9 cubic yards struck capacity. The hopper length shall be 10" feet long. Overall height of the unit shall be 56 in. the overall width to be no more than 82 in.

C.19.3 The body and conveyor shall be electrically welded into a rugged solid unit.

C.19.4 A heavy-duty lift hook shall be provided at each corner. These lift hooks shall be inserted through holes in the double crimped section of the hopper walls, welded in place for maximum strength.

C.19.5 A 6x4 in. formed box beam that is welded at each end will be elevated 3 in. above the top edge of the hopper, providing a longitudinal brace and hinge point for the top screens. There shall be formed 2x2 in. angle iron welded from the box beam to each side for additional support.

C.19.6 The rear endplate shall be reinforced inside and supported outside to give it maximum strength.

C.19.7 CONVEYOR: Shall be of the chain bar flight type running longitudinally with the body.

C.19.8 The top edge of the longitudinal shall be formed down over the chain link strands, leaving only the drag chain bar exposed to the material being spread.

C.19.9 Conveyor width shall be not less than 24 in. and shall be a heat-treated, all steel, self-cleaning pintle-type chain.

C.19.10 Chain shall be 2-1/4 in. pitch with 7/16 in. locked non-turning pins and a tensile strength of 21, 000 pounds.

C.19.11 Conveyor gearbox shall have a 50:1 reduction and be of a bronze worm-gear type having a cast-iron housing with a ring-mount bolt pattern and supported on tapered roller bearings.

C.19.12 Chain shall be driven through the gearbox by a low-speed, high-torque (1,200 inch lbs. at motor, 60,000 inch lbs. where it meets the conveyor) orbital-type hydraulic motor.

C.19.13 Conveyor drive sprockets shall be 8 tooth, drop-forced steel keyed to a 1-1/2 in. diameter C1045 steel shaft mounted in sealed, self-aligning ball bearings with grease fittings.

C.19.14 The idler sprockets shall be 8-tooth, drop-forged steel welded to a 1-1/2 in. C1045 steel shaft which is mounted in sealed, self-aligning ball bearings with Grease fittings.

C.19.15 The conveyor bottom shall be of flat design, be of a minimum 3/16 in. steel and roll-over edges, shall bolt in an be replaceable

C.19.16 SPINNER ASSEMBLY: Spinner assembly shall be fabricated from 12 gauge Stainless steel, and shall be of the bottom mount motor design.

C.19.17 There shall be three adjustable 10-gauge steel external spinner baffles, and one fixed front shield to control the direction and width of the spread. Baffles shall be adjustable without the use of any tools.

C.19.18 SPINNER DISC: The spinner shall be made of polyurethane and shall be 20" in. diameter and be equipped with six fins designed to give a uniform trajectory from four to forty feet.

C.19.19 SPINNER EXTENSION: SWING UP: The spinner extension shall connect The spinner assembly to the longsills of the spreader, and shall be fabricated

from 12 gauge stainless steel. The extension shall be pinned in place, and be of the swing up design.

C.19.20 INVERTED VEE: The spreader shall have an inverted vee over the conveyor to improve material flow to the conveyor.

C.19.21 The inverted vee shall be a formed angle, 8x8 in. x 12 gal. 304 stainless steel.

C.19.22 TOP SCREENS: Sectional screens with a maximum length per section of three feet shall be hinged to the 4 in. x 6 in. box beam which is made of 304 stainless steel, and is bolted to both ends of the hopper.

C.19.23 Screens shall be constructed of 3/8 in. diameter steel rods welded to form a 2-1/2 in. square mesh which is framed by a combination of 1/4x1-1/2 in. flat steel and 2 in. angle iron with edge supports reinforced by 1/4x1 in. flat bars.

C.19.24 Screens shall be removable and use a lock-type hinge.

C.19.25 LIGHT BAR ASSEMBLY: Light bar assembly with plastic/poly enclosure. 69 in. wide bolt on (4) L.E.D. stop/turn/taillights and ICC ID marker lights, wire harness with pigtail and 7-prong trailer plug.

C.19.26 GREASE EXTENSIONS: front bearing grease extensions to the rear of unit with manifold.

C.19.27 DUMP BODY MOUNTING: A carbon steel tailgate latch kit shall be included.

C.19.28 DUMP BODY MOUNTING KIT: 4 nylon straps and stainless steel hardware.

C.19.29 CHAIN OILER: 1 gallon capacity, gravity type.

C.19.30 The V-box spreader must have **spill shields / guards** attached along the length (10 ft.) and front width (82 ins.) of the container to prevent loaded material from being inadvertently deposited between the V- box and the dump body sides. The added width provided by the **spill guard** protection must cover the top rail of the dump truck sides and must prevent spillage in the front of the truck bed.

C.20 AVL TRACKING SYSTEM

The contractor shall equip the vehicles provided with an AVL Tracking System that at Minimum meets the requirements listed below.

C.20.1 Hardware Requirements

The AVL should include at a minimum the following:

- **a.** Field upgradeable, modular, with open architecture
- **b.** Multiple I/O port including RS232, USB, Ethernet
- **c.** Digital and Analog I/O for monitoring external devices or events
- **d.** Multiple communications channel
- **e.** Integrated GPS receiver
- **f.** PCMCIA card compatibility for ease of upgrade
- **g.** Single enclosure packaging of all capabilities
- **h.** Enhanced features including:
  - **1.** 802.11 a/b/g
  - **2.** WiMAX
  - **3.** 4.9 GHz
  - **4.** MESH technology

5. 3 year warranty

C.21 WARRANTY

C.21.1 Basic Truck and Chassis Warranty: 36 months or 300,000 miles to include all system components.
C.21.2 Hoist carries five-year warranty pledge.
C.21.3 Body and hoist shall be covered by 5-year customer satisfaction pledge. The warranty period lasts five years, with years 1-3 covered 100%, years 4-5 covered 50%warranty covers freight, labor and materials on all products listed above. Starting when the body and hoist are placed into service, the warranty period is unaffected by chassis manufactures warranty document.
C.21.4 The plow shall have a two (2) year warranty on all parts and labor.
C.21.5 Spreader shall have two (2) year warranty on all parts and labor.

C.22 OPTIONAL SIDE GUARD PROTECTION SYSTEM

Vehicle should have installed the optional if available side guard skirting that offers maximum protection and safety for motorcyclists, bicyclists and pedestrians from becoming entrapped or entangled within the open space along the sides of the truck. Skirting should also offer protection from rear tire contact to pedestrians or bicyclists.