

**RETURN WITH YOUR BID RESPONSE**

**MINIMUM SPECIFICATION FOR  
12,000 POUND GVW FOUR WHEEL DRIVE DUMP TRUCK WITH  
PLOW AND SPREADER  
(FACILITIES MANAGEMENT)**

**1. SCOPE AND CLASSIFICATION**

- 1.1 It is the intent of this specification to describe the requirements for the purchase of one (1) 12,000 POUND GVW, FOUR WHEEL DRIVE DUMP TRUCKS WITH PLOW AND SPREADER.**

**2. CODE OF ETHICS**

- 2.1 No person(s) with a personal financial interest in the approval or denial of a contract being considered by a County department or with any agency funded and regulated by a County department may make a campaign contribution to any County official who has approval authority over that contract during its consideration. Contract consideration shall begin when a contract is submitted directly to a County department or to an agency until the contract has reached final disposition, including adoption, county executive action, proceedings on veto (if necessary) or departmental approval. This provision does not apply to those items covered by section 9.15 unless an acceptance by an elected official would conflict with this section.**

**3. DOCUMENTS**

- 3.1 Each vendor shall provide two (2) complete bid packages including informational/promotional literature that describes the equipment to be bid.**

**4. REQUIREMENTS**

**THE COMPLIANCE SPACE MUST BE COMPLETED THOROUGHLY AND ACCURATELY. IF A VENDOR CHECKS "NO" TO MEETING ANY OF THE SPECIFICATIONS, THEY MUST INCLUDE A WRITTEN EXPLANATION AND ATTACH IT TO THE BID.**

**4.1 12,000 POUND GVW DUMP TRUCK**

**4.1a CHASSIS**

1. Chassis shall be Ford F350, GMC 3500 or equal.
2. Payload of 3,500 pounds minimum.
3. Wheelbase for 60" CA minimum.
4. Chrome front bumper.
5. Frame shall be section modulus 8.0 minimum and resistant bending moment 300,000 minimum.
6. Fuel tank shall be minimum 19 gallons.
7. Bid Compliance Yes\_\_\_ No\_\_\_

**4.1b ENGINE**

1. Engine shall be 8 cylinders, 6.6 liter minimum turbo charged diesel with a minimum 240 horsepower and shall be LEV certified.
2. Heavy duty cooling system with overflow reservoir.
3. 145 AMP alternator.
4. Dual battery system with 600 CCA minimum each and rundown protection.
5. Bid Compliance Yes\_\_\_ No\_\_\_

**4.1c TRANSMISSION**

1. Four wheel drive
2. Heavy duty four speed automatic transmission with overdrive and additional external oil cooler.
3. Bid Compliance Yes\_\_\_ No\_\_\_

**4.1d SUSPENSION**

1. Front drive axle with a minimum 5,000 pound capacity and ratio of 3.73 with a snow plow prep package.
2. Rear drive axle, limited slip type, with a minimum 9,000 pound capacity and ratio of 3.73.
3. Heavy duty gas shock absorbers front and rear.
4. Rear springs, multi-leaf with 3,000 pounds minimum capacity.
5. Front coil springs with 2,250 pounds minimum capacity.
6. Front and rear heavy-duty stabilizer bars.
  
7. Bid Compliance Yes\_\_\_ No\_\_\_

**4.1e STEERING**

1. Rack and pinion power steering.
  
2. Bid Compliance Yes\_\_\_ No\_\_\_

**4.1f WHEELS/TIRES**

1. Six (6) LT215/75R 16D all season blackwall radial tires.
2. Steel wheels.
3. One (1) full size mounted spare tire and wheel.
  
4. Bid Compliance Yes\_\_\_ No\_\_\_

**4.1g BRAKES**

1. Four-wheel antilock brakes, front and rear disc.
  
2. Bid Compliance Yes\_\_\_ No\_\_\_

**4.1h CAB**

1. The cab shall be 2 doors, all welded construction.
2. The seat shall be heavy-duty vinyl covered bench and have seat belts for the driver and 2 passengers.

3. The instrumentation shall include speedometer, tachometer, odometer, trip odometer, hour meter, voltmeter, fuel level, engine temperature and oil pressure.
4. The vehicle shall be equipped with an AM/FM radio, windshield wipers with intermittent control, cruise control, tilt steering wheel and dual electric horns.
5. Dual, stainless steel, west coast type mirrors mounted to allow adequate vision to the rear around the dump box.
6. The floor of the cab shall be covered by heavy-duty black rubber or vinyl floor covering.
7. Bid Compliance Yes\_\_\_ No\_\_\_

**4.1i COLOR**

1. The exterior of the vehicle shall be painted DuPont Ward LaFrance yellow #7744.
2. The interior of the cab shall be charcoal gray.
3. The dump body and frame shall be painted black.
4. Bid Compliance Yes\_\_\_ No\_\_\_

**4.1j ACCESSORIES**

1. Two, front mounted tow hooks.
3. Freeze plug type engine block heater.
4. An amber revolving light, Target Tech Model Highlander 450112 mounted on a self-leveling bracket located on the cab protector and controlled by a lighted switch in the cab or on the spreader control.
5. A self-adjusting Smart Alarm, ECCO Model #SA901 back-up alarm.
6. Electric trailer brakes with cab mounted controller, Activator II, part #5500.
7. Heavy duty trailering package which includes a receiver tube in a pintle tube weldment or 1/2" plate, trailering wiring harness that incorporates a Velvac 6-pin part #005052 female receptacle mounted on the rear of the vehicle. Forged pintle ball combo with 2" ball. Hitch rating of 10,000 GTW Max 2,000 tongue weight.
8. Frame mounted poly fenders to protect the underside of the dump body. Mud flaps mounted behind the rear wheels. The

mud flaps shall not display any advertising or distributor identification.

9. Bid Compliance Yes\_\_\_ No\_\_\_

#### 4.2 DUMP BODY

##### 4.2a DESCRIPTION

1. Dump box, two (2) to three (3) yard capacity with side board pockets. Floor constructed of minimum 7-gauge steel, sides constructed of minimum 12-gauge steel and double acting tailgate constructed of minimum 10-gauge steel.
2. Length shall be 96" width 6' 6" fold down sides 14" high with grease able hinges and a double acting reinforced tailgate.
3. Full width cab protector with 8" by 24" screened window.
4. Heavy duty body hoist utilizing a double-acting cylinder with a minimum 9-ton minimum capacity.
5. All pivot points, hinges and moveable linkages shall have grease zerks.
6. Bid Compliance Yes\_\_\_ No\_\_\_

##### 4.2b BED LINER

1. The entire inside of the dump body, including the inside of the tail gate, shall be treated with Rhino Coat or Line-X. No Substitutes shall be accepted.
2. The coating shall extend up the inside of the bed and tailgate and cover the top edges of the bed and tailgate.
3. Bid Compliance Yes\_\_\_ No\_\_\_

#### 4.3 HYDRAULICS

##### 4.3a DESCRIPTION

1. Engine mounted minimum 9.7 gallons per minute @ 1000 RPM commercial pump with electric clutch drive and dual drive belts. The pump and system shall be adequate to power all hydraulic functions simultaneously including the plow, spreader and body hoist.
2. The hydraulic lines for the spreader control shall be routed along frame rails and all hydraulic fittings shall be Aeroquip. All lines shall be protected from abrasion and cutting.
3. The hydraulic reservoir shall be minimum 15 gallon capacity and be capable of being filled with the dump body lowered.
4. A 10 micron replaceable filter, with dash mounted condition light, shall be installed in the suction line.
5. All hydraulic lines shall be high pressure hose.
6. Bid Description      Yes\_\_\_      No\_\_\_

**4.3b HYDRAULIC CONTROLS**

1. The hydraulic controls shall be Monroe MCS pendant with integrated standby and blast, operator presence and proportional control of equipment, actuated single and dual access to control all hydraulic functions, including the speed of the spreader.
2. The Monroe MCS spreader control will allow independent control of the conveyor and spinner, ground speed trigger, four auxiliary lighted switches, reverse raise and on-screen warning indicators.
3. The valves shall be mounted in a waterproof enclosure along the frame rail behind the cab.
4. All controls shall be conveniently mounted in the cab. Exact location shall be determined with successful bidder.
5. Bid Compliance      Yes\_\_\_      No\_\_\_

**4.4 SALT SPREADER**

**4.4a DESCRIPTION**

1. The salt spreader shall be a bin type spreader approximately 121" long with approximately 2 cubic yard capacity for use in

- an 8' dump body. The hopper shall be located at the foremost end of the frame rails.
2. The unit design shall permit the spreader to be positioned as far forward as possible in the dump body and shall not interfere with the bumper or pintle hitch mount.
  3. The unit shall be 100 percent welded, minimum 12 gauge 304 stainless steel body construction with 45 degree sloped sides, 10 gauge longsills and floor. Two full height reinforcing braces shall be positioned on each side of the spreader body.
  4. The unit shall be equipped with a protective grid cover constructed of stainless steel with maximum openings of 2 1/2".
  5. A heavy-duty lifting eye shall be installed on a reinforced crossbeam on top of the body to safely lift the unit without removing the top grate.
  6. Two (2) heavy-duty hold-downs for the front shall be supplied with the unit and a tailgate latch mounting kit for the rear.
  8. The conveyor shall be a hydraulically driven heavy-duty steel pintle chain with self-cleaning 1/4" x 3/4" cross bars, 14" wide, 22,000 pound ultimate strength. Extended spinner assembly.
  9. The unit shall be equipped with a replaceable stainless steel wear plate.
  10. The drive and idler sprockets shall be heat treated with a minimum of 6 teeth per sprocket.
  11. The front idler and rear bearings shall be grease able and a flexible grease line to the front bearings, approximately 24" long shall be fastened to the reinforcing gusset.
  12. There shall be a adjustable hopper opening, with scale, that may be operated from the ground.
  13. The spinner shall be 12" poly and hydraulically driven.
  14. Material spread width shall be from 2' to 25'.
  15. The unit shall be equipped with a stainless steel chute with material deflectors or baffles to control the placement of material on the spinner and control direction and distance of the material spread.
  16. All nuts, bolts, fasteners, etc. on the spreader shall be stainless steel.
  17. Bid Compliance      Yes\_\_\_      No\_\_\_

**4.5 PLOW**

**4.5a MAKE/MODEL**

1. The snowplow shall be a 9' Boss, super duty smart hitch 2 with the smart hitch fully operational from the smart hitch switch on lift frame from the central hydraulics. No substitutes shall be accepted.
2. Hydraulic quick couplers shall be Aeroquip with covers.
3. Bid Compliance Yes\_\_\_ No\_\_\_

**4.5b CONTROLS**

1. The plow shall be controlled from the cab by a Monroe MCS controller.
2. Bid Compliance Yes\_\_\_ No\_\_\_

**4.5c PLOW MOUNTING**

1. The Boss SmartHitch 3 shall be used to mount the plow. No substitutes shall be accepted. The hitch shall be mounted so as to provide 8" clearance for mounting of curbs.
2. Bid Compliance Yes\_\_\_ No\_\_\_

**4.6 RUSTPROOFING.**

**4.6a DESCRIPTION**

1. The vehicle shall be protected against rust by Ziebart or Tuff-Kote Dinol with a dry film thickness of 10 – 15 mil.
2. Bid Compliance Yes\_\_\_ No\_\_\_

**5. GENERAL SPECIFICATIONS**

**5.1 NEW EQUIPMENT**

**5.1a** The equipment shall be the current, new and unused model built by the manufacturer. The equipment must be delivered completely assembled and ready for operation at the time of delivery.

**5.2 PARTS AND SERVICE**

**5.2a** The vendor must have an authorized parts and service facility located within 110 miles of Milwaukee County with a sufficient stock of parts and trained technicians to service the equipment.

**5.3 MANUALS**

**5.3a** The successful vendor shall upon delivery, furnish one (1) complete set of parts and service manuals that cover the equipment specified. The manuals may be waived if the information is available to Milwaukee County on-line. Five hundred (\$500) dollars of the final payment will be withheld until all of the above is received.

**5.4 TRAINING**

**4.4a** The successful vendor shall, at a time mutually agreeable to Milwaukee County, provide four (4) hours of training to operators and service technicians covering the operation and maintenance of the equipment if requested.

**5.5 WARRANTY**

**5.5a** The warranty shall start the first day the vehicle is placed in service. The manufacturer shall warrant the entire vehicle, furnished equipment and devices against parts failure or malfunction due to design, construction, installation or errors in assembly of components, defective materials and workmanship. The vendor shall include with the bid document a warranty statement outlining the base warranty covering the vehicle/equipment bid.

**5.5b** Should any vehicle in this bid encounter a defect while under warranty, the vendor will be responsible for all costs associated with transporting the vehicle to and from an authorized service facility. The vendor will be required to respond to all warranty requests for

service, including picking-up of the vehicle, within 24 hours of being contacted by Milwaukee County Fleet Management. All repairs covered under warranty are to be completed on a timely basis.

**5.6 ALTERNATIVES AND APPROVED EQUAL**

**5.6a** If an approved equal is requested, the bidder shall request consideration for approved equal status by submitting the appropriate documentation demonstrating equal status a minimum of ten (10) working days prior to the time scheduled for bid opening. Milwaukee County reserves the right to not consider requests that are submitted without documentation and/ or less than ten (10) working days prior to the time scheduled for bid opening.

**5.7 DEMONSTRATION**

**5.7a** Milwaukee County reserves the right to request a demonstration of any bidder's proposed equipment prior to issuance of a purchase order.

**5.8 PRICE AND DELIVERY**

**5.8a** The price bid for the equipment must be NET PRICE DELIVERED. Any bid modifying or "escalator" clauses will not be considered.

**5.8b** The vendor shall state the length of time required for delivery to Milwaukee County. Delivery to Milwaukee County must occur within 20 - 30 days after the vendor receives the vehicle from the supplier.

**DATE VEHICLE WILL BE DELIVERED TO MILWAUKEE**

**COUNTY** \_\_\_\_\_