

CITY OF GREAT FALLS

INFORMATION FOR BIDDERS AND SPECIFICATIONS FOR

TWO NEW 2016 TANDEM AXLE TRUCKS WITH TWO NEW 2016 SIDELOAD REFUSE PACKERS

1.0 INFORMATION FOR BIDDERS

- 1.1 **Bids:** All bids shall be made on the attached forms provided by the City of Great Falls (City). All bids shall be legibly written in ink.
- 1.2 **Delivery of Bid:** Each bid must be signed and submitted in a sealed envelope. Envelope containing bid shall be addressed to the City Clerk, 2 Park Drive South, Civic Center Room 204, Great Falls, MT 59401, and plainly marked on the outside with the statement, "Bid for Two New 2016 Tandem Axle Trucks with Two New 2016 Sideload Refuse Packers." Signed and sealed bids are due no later than 1:00 pm, Wednesday, January 6, 2016. Bids will be opened in the Civic Center Rainbow Room at 1:00 pm, Wednesday, January 6, 2016.
- 1.3 **Bid and Performance Guarantee:** Bids must be accompanied by a cashier's check, certified check, or bank money order and issued by a national banking association located in the State of Montana, or by any banking corporation incorporated in the State of Montana; or by a bid bond or bonds executed by the Surety Corporation authorized to do business in the State of Montana in the amount of ten percent (10%) of the amount of the bid as a guarantee that the successful bidder will satisfy all requirements of the bid. Upon the successful bidder's satisfactory performance of the terms and conditions of the bid, the guarantee will be returned to bidder.
- 1.4 **Rejection of Bid:** The City of Great Falls reserves the right to reject any and all bids or to accept any bid deemed to be in the best interest of the City of Great Falls.

SPECIFICATIONS FOR TWO NEW 2016 TANDEM AXLE TRUCKS WITH TWO NEW 2016 SIDELOAD REFUSE PACKERS

The following specifications describe two new tandem-axle trucks with GVWR of 66,000 lbs, right hand steering, and with installed and operating new sideloading refuse packer (31 cubic yards) meeting or exceeding all of the following specifications. Any deletions or variations from the following specifications must be noted and explained. These specifications shall be construed as minimums. Vendors choosing to bid more than one model, must do so on a complete and separate set of specifications. A response is required for each item. Incomplete bids may not be considered.

I. CAB & CHASSIS:	Meets or Exceeds Yes or No	Exception to Specifications
		NO EXCEPTIONS
A. CAB:		
1. Cab-over with stationary grill and rock guard	<input type="checkbox"/>	
2. Full instrument gauges including speedometer, oil pressure, ammeter or voltmeter, fuel, coolant temperature, tachometer, hour meter, and brake air pressure with low pressure alarm	<input type="checkbox"/>	
3. Arm rests on seats and sun visors right and left	<input type="checkbox"/>	
4. Both seats shall be cloth bucket type with deluxe air ride suspension and lumbar support. Air pressure must be through truck air compressor. Manual pump not acceptable.	<input type="checkbox"/>	
5. Retractor, three-point, shoulder safety seat belts	<input type="checkbox"/>	
6. Turn indicators with 4-way flashers, automatic cancelers	<input type="checkbox"/>	
7. Two-speed, intermittent windshield wipers and washers	<input type="checkbox"/>	
8. Power and Heated west coast type rearview mirrors right and left, 6 inch X 16 inch. 8 inch convex mirrors mounted on bottom of west coast mirrors. Collapsible mounting	<input type="checkbox"/>	
9. Heater/defroster, fresh air and recirculating with side window defogger vents. Top mounting Air conditioning	<input type="checkbox"/>	
10. Cab marker lights	<input type="checkbox"/>	
11. Power Windows and locks. Safety glass on all windows	<input type="checkbox"/>	

<u>Meets or Exceeds Yes or No</u>	<u>Exception to Specifications</u>
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I. CAB & CHASSIS (continued):

12. Eight inch entrance grab handles on right and left sides	<input type="checkbox"/>	
13. Safety glass on all windows	<input type="checkbox"/>	
14. AM / FM radio	<input type="checkbox"/>	
15. Headliner	<input type="checkbox"/>	
16. Front bumper with front mount tow hooks.	<input type="checkbox"/>	
17. Full-length, heavy-duty rubber floor covering	<input type="checkbox"/>	
18. Dash mounted fan, variable direction	<input type="checkbox"/>	

B. ENGINE:

1. Water cooled 12 liter Diesel, with minimum 350 hp and 1,450 ft lbs torque. Cummins engines only.	<input type="checkbox"/>	NO EXCEPTIONS
2. Air cleaner: single element dry type with pop out type restriction indicator	<input type="checkbox"/>	
3. Fan clutch	<input type="checkbox"/>	
4. Heavy-duty cooling equipment including extra capacity radiator.	<input type="checkbox"/>	
5. Engine heater: 1,500 watt, soft plug type, 110/120 volt AC. Electrical cable to extend through grille.	<input type="checkbox"/>	
6. Fuel/water separator with sight bowl. Racor model 225R or equal.	<input type="checkbox"/>	
7. Antifreeze: certified to -40 degrees F and coolant recovery system	<input type="checkbox"/>	
8. Exhaust: vertical tailpipe, maximum 80 dB(A) noise level, tailpipe on left side	<input type="checkbox"/>	
9. Alternator: 160 amp hour	<input type="checkbox"/>	
10. Batteries: two or three with total of 1,950 CCA mounted on left frame rail with battery disconnect	<input type="checkbox"/>	
11. Automatic circuit breakers protecting all circuits. Fuses not acceptable	<input type="checkbox"/>	

C. TRANSMISSION/DIFFERENTIAL:

1. Allison model 4500 RDS	<input type="checkbox"/>	NO EXCEPTIONS
2. Water to oil transmission cooler.	<input type="checkbox"/>	
3. Differential: interaxle differential lock (IAD) and driver controlled differential lock (DCDL)	<input type="checkbox"/>	NO EXCEPTIONS

D. DRIVELINE/SUSPENSION:

1. Front axle: capacity 20,000 lbs	<input type="checkbox"/>	
2. Tandem rear axle: 46,000 lbs capacity with pump. RT-46-160P	<input type="checkbox"/>	
3. Ratio designed for 65 - 70 mph in highest gear at governed rpm	<input type="checkbox"/>	
4. Front suspension: 20,000 lbs capacity, multi-leaf	<input type="checkbox"/>	
5. Rear suspension: Hendrickson Haulmax, 46,000 lbs with transverse torque rods.	<input type="checkbox"/>	
6. Cab to axle: meets body requirements	<input type="checkbox"/>	
7. Cab to trunnion: meets body requirements	<input type="checkbox"/>	
8. Stemco oil bath hubs on front axle	<input type="checkbox"/>	

Meets or Exceeds Yes or No	Exception to Specifications
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I. CAB & CHASSIS (continued):

- | | | |
|--|--------------------------|-------|
| 9. Stemco wheel seals on all axles | <input type="checkbox"/> | _____ |
| 10. Cruise control | <input type="checkbox"/> | _____ |
| 11. Chassis specification to fit sideload application. | <input type="checkbox"/> | _____ |

E. BRAKES:

- | | | |
|---|--------------------------|-------|
| 1. Full air system | <input type="checkbox"/> | _____ |
| 2. Maxi-type parking brake on both rear axles | <input type="checkbox"/> | _____ |
| 3. Moisture ejectors: Stemco part # 900.1062 on wet tank and manual cable pulls on all others accessible without getting under truck. | <input type="checkbox"/> | _____ |
| 4. Air pressure gauge with audible warning | <input type="checkbox"/> | _____ |
| 5. Air compressor rated at 18.7 cfm minimum | <input type="checkbox"/> | _____ |
| 6. Automatic slack adjusters | <input type="checkbox"/> | _____ |
| 7. Emergency air tanks | <input type="checkbox"/> | _____ |

F. TIRES & WHEELS:

- | | | |
|---|--------------------------|-------|
| 1. Tires: 315/80 R22.5 20 ply front Hankook radial AMO6
8,270 lb capacity each; 11R X 22.5 16 ply traction
Hankook DMO4 | <input type="checkbox"/> | _____ |
| 2. Wheels: steel, hub piloted machine type, (ball seat), 10-hole | <input type="checkbox"/> | _____ |
| 3. One spare front and one spare rear wheel | <input type="checkbox"/> | _____ |

G. STEERING: Hydraulic full power

- | | | |
|--|--------------------------|-------|
| 1. Ross steering gear #TAS-65 with maximum wheel cut | <input type="checkbox"/> | _____ |
|--|--------------------------|-------|

**H. FRAME: Heat treated steel with 2,800,000 lbs
Resisting Bending Moment (R.B.M.) per frame rail
and 110,000 psi yield strength**

- | | | |
|--|--------------------------|-------|
| | <input type="checkbox"/> | _____ |
|--|--------------------------|-------|

I. LIGHTS:

- | | | |
|--|--------------------------|-------|
| 1. Dome light | <input type="checkbox"/> | _____ |
| 2. Two flood lights to be used as reverse lights | <input type="checkbox"/> | _____ |

J. MISCELLANEOUS:

- | | | |
|--|--------------------------|-------|
| 1. Fuel tank: steel, 70 gallons minimum on left side | <input type="checkbox"/> | _____ |
| 2. Front and rear frame mounted tow hooks | <input type="checkbox"/> | _____ |
| 3. Meets all I.C.C. Federal and State requirements | <input type="checkbox"/> | _____ |
| 4. Mud flaps installed on front of front rear drive axle
and rear of rear drive axle leaving minimum of seven
inches of clearance for roller tire chains. Mud flaps also
installed at rear of front, steering axle. | <input type="checkbox"/> | _____ |
| 5. Air horn | <input type="checkbox"/> | _____ |
| 6. Installed backup alarm, 97 dB(A) | <input type="checkbox"/> | _____ |
| 7. Frame mounted toolbox, 24" wide X 18" high X 18" deep | <input type="checkbox"/> | _____ |

K. COLOR: Factory White in Color

<input type="checkbox"/>	NO EXCEPTIONS
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<u>Meets or Exceeds Yes or No</u>	<u>Exception to Specifications</u>
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I. CAB & CHASSIS (continued):**L. CAB & CHASSIS MANUALS:**

1. Two owner-operator
2. One service, repair and parts
3. One service and repair manual for engine
4. Wiring schematic: packer and chassis
5. Any and all technical publications. OEM Scan tool software required.

<input type="checkbox"/>	_____

II. PACKER:**A. CAPACITY:** Thirty-one cubic yards minimum

excluding the receiving hopper, compaction device, and tailgate bulge

<input type="checkbox"/>	_____
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B. BODY:

1. Maximum overall width: 96 inches
2. Maximum overall height: 11 feet 6 inches
3. Sides: 10 gauge hi-tensile steel
4. Roof: 14 gauge hi-tensile steel
5. Floor & floor support members: 1/4 inch AR400 plate front to rear
6. Access door: 980 square inches located at the front side of the body without internal projection
7. Dumping model
8. Full seam welding
9. No cylinders, valves, or other hydraulic components shall come in contact with refuse packed in body

<input type="checkbox"/>	_____

C. HOPPER: Capacity: 3 cubic yards minimum

<input type="checkbox"/>	_____
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D. TAILGATE:

1. Top-hinged, 12-gauge hi-tensile steel
2. Cylinders: two (2) double-action, hydraulic
3. Gasket: one-piece, removable rubber extending across the entire bottom width of the tailgate and vertically up the sides for at least 24 inches
4. Automatically released and locked from cab controls

<input type="checkbox"/>	_____

E. HYDRAULIC SYSTEM:

1. Transmission mounted and driven PTO pump design, controls mounted in the cab shall be located to the left of and within reach of driver
2. Compaction ratio: 800 lbs per cubic yard

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____

<u>Meets or Exceeds Yes or No</u>	<u>Exception to Specifications</u>
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II. PACKER (continued):**E. HYDRAULIC SYSTEM (continued):**

3. Cab control: Single joystick control.
Located to left of driver position.
4. Rocker switch controls under driver seat
5. Hydraulic pump designed to operate continuously with peak loadings at frequent, short intervals .
Hydraulic hose shall be SAE. standard for designed pressures. Kinks or flat spots in hose not acceptable.
6. Capable of packing between stops
7. Relief valves to protect all components and shut off valve at tank
8. Packing cycle control from cab
9. Return line filter: 10 micron replaceable with 15 lb bypass
10. System to operate at idle or low RPM in drive
11. Variable speed arm control

<input type="checkbox"/>	_____

F. LIFTING MECHANISM:

1. Grip arm: universal mechanical capable of handling 60, 90, 100, 150, 300, 350, and 400-gallon containers without arm change. Permanent not quick change.
2. Capacity: 2,000 lbs at any extension
3. Mounted and operating on right side

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____

G. GREASE FITTINGS: All pivot points, body hinges cylinder rod ends and cylinder base trunnions

<input type="checkbox"/>	_____
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H. MISCELLANEOUS:

1. Work lights, arm and hopper area
2. Two amber LED or strobe lights on rear of packer and one on top of cab with limb guards. Strobes to be "on" when PTO is engaged.
3. Split screen LCD color camera system, tailgate and hopper camera monitor mounted top right inside of cab

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____

I. COLOR: Factory White

<input type="checkbox"/>	NO EXCEPTIONS
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J. PACKER BODY MANUALS:

1. Two complete owner-operator manual
2. One complete service, repair and parts manuals

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____

III. GENERAL:**A. DEMONSTRATION: The City may require before the award of any bid, a demonstration for two City personnel of the unit bid (truck & packer), at no additional cost to the City of Great Falls.**

<input type="checkbox"/>	_____
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B. DELIVERY: The complete units (F.O.B. Great Falls Public Works Complex, Great Falls, MT) shall be delivered within 200 calendar days after the date of the City Purchase Order. A late penalty of \$100.00 per City workday per unit shall be deducted from the purchase price.

<input type="checkbox"/>	_____
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III. GENERAL (continued):**C. COMPLETE UNIT SERVICE & WARRANTY:** State warranty terms and conditions

including those of other manufacturers if applicable:

CAB & CHASSIS: (minimum 2 years)ENGINE: (minimum 2 years)TRANSMISSION: (minimum 2 years)PACKER: (minimum 2 years)

(Warranty period will begin after acceptance by the City -- not upon delivery)

Bidder must indicate one location within the City of Great Falls, other than the City Shop, where unit is to be taken for warranty service. Successful bidder will be responsible for ensuring all warranty work is accomplished. This obligation will not be transferred.

(NO EXCEPTIONS):**LOCATION:****D. USER'S LIST OF UNIT BID:** Bidder to supply a list of three or more users of the truck

and packer being bid (other than City of Great Falls) with address and telephone number.

NAME	ADDRESS	TELEPHONE NUMBER
1.		() -
2.		() -
3.		() -

E. BID PRICE (F.O.B. City Shop Complex, 1025 25th Ave NE):

1. Initial bid price for two units: \$ _____

2. Price for optional auto lube system \$ _____

MAKE OF CAB & CHASSIS: _____ MODEL : _____

MAKE OF PACKER BODY: _____ MODEL : _____

NAME OF COMPANY	ADDRESS	TELEPHONE NUMBER
		() -

PREPARED BY:	(Printed or typed name and position)	(Signature)	(Date)
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NOTES:

All parts and accessories which are required to constitute a complete working unit shall be furnished whether herein stipulated or not. The unit shall be new and of the latest model and design in standard production. All equipment catalogued as standard shall be furnished and included in the purchase price. Only new models in current production which are catalogued by manufacturer or for which manufacturer's published literature and specifications are available will be considered

Payment will not be made until the unit is received at the City Shop, checked by City personnel and any and all discrepancies are corrected.

With the bid shall be included manufacturer's descriptive literature and specifications on unit being bid. Bidder shall list any exceptions to these specifications. Bidder will supply all manuals with units at time of delivery.

The City reserves the right to accept or reject the bids in the best interest of the City. The City reserves the right to waive informalities and irregularities in any bid submitted, to reject non-conforming, non-responsive or conditional bids, to correct arithmetic errors without changing unit price, and postpone awarding of the contract for a period not exceeding sixty (60) days.

If there are any questions, please contact Doug Alm, Vehicle Maintenance Supervisor, PO Box 5021, Great Falls, Montana 59403, or (406) 771-1401, Ext 106.

BID FOR FURNISHING TWO 2016 TANDEM AXLE TRUCKS WITH 2016 SIDELOADER REFUSE PACKERS

The undersigned bidder having examined the specifications for bid, hereby proposes to provide two 2016 tandem axle trucks with 2016 sideload refuse packers to the City of Great Falls, Montana, complete in accordance with the information for bidders and specifications on file in the office of the City of Great Falls Sanitation Division for the prices quoted in this bid.

the undersigned bidder further agrees that the only persons or parties interested in this bid are in all respects fair and without fraud; that it is made without collusion with any officials or employees of the City of Great Falls, and that the bid is made without any connection or collusion with any person making another bid.

Enclosed herewith is a _____ as a bid and performance guarantee, in the amount of ten percent of bid, or _____ dollars, (\$) _____ which the undersigned agrees is to be forfeited to and become the property of the City of Great Falls as liquidated damages, should this bid be accepted by the City of Great Falls and awarded to bidder and bidder fails to supply the vehicles/equipment in the form prescribed, but otherwise the bid and performance guarantee shall be returned to the undersigned upon satisfying the terms of this Bid and Information for Bidders and Specifications for Two 2016 Tandem Axle Trucks with 2016 Sideload Refuse Packers.

The undersigned bidder further agrees that, pursuant to Montana Code Ann. 18-1-102, the City is required to provide purchasing preferences to resident Montana vendors and/or for products made in Montana against the bid of a nonresident if the state of the nonresident enforces a preference for residents.

In submitting this bid, it is understood that the City of Great Falls reserves the right to reject any and all bids, to delete certain items, and to postpone award for a reasonable time.

The undersigned bidder certifies that he understands and accepts the manner of payment of the cost of materials for this bid item.

The undersigned bidder certifies that he has received and duly considered the following Addenda to the specifications:

Addenda: No. _____ Dated _____
Addenda: No. _____ Dated _____
Addenda: No. _____ Dated _____
Addenda: No. _____ Dated _____

Bid Submitted by: _____
(Name of Company)

Authorized Signature: _____

Address: _____

Telephone: _____

Dated this _____ day of _____, 2016.

State of _____

)ss

County of _____

On this _____ day of _____, 2016, before me a Notary Public for the State of _____, personally appeared _____ known to me to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal the day, month, and year first above written.

Notary Public for the State of: _____

Printed Name: _____

(SEAL)

Residing at: _____

My Commission Expires: _____