

## ATTACHMENT B - BID PRICING FORM

### **FOB POINT**

The FOB Point, in terms of loss or damage, as well as where title to the goods is passed, shall be FOB - Destination.

### **FREIGHT CHARGES**

Freight charges are to be included in the quoted price of the Vehicle rather than as a separate item.

### **BRAND NAMES**

Unless otherwise indicated, the name of a certain brand, make or manufacturer does not restrict bidders to the specific brand, make or manufacturer named. It conveys the general style, type, character and quality of the article desired, and any article which the City in its sole discretion determines to be the equal of that specified, considering quality, workmanship, economy of operation and suitability for the purpose intended shall be accepted. Any brand name or manufacturer's reference used in this bid is descriptive NOT restrictive. It is used to indicate type and quality desired.

### **EQUIVALENTS**

The name of any manufacturer mentioned in the specifications is for the purpose of establishing a minimum acceptable standard of quality desired by the City. On all items bid, the Vendor shall indicate clearly the product being bid and, where applicable, shall supply catalog cuts and descriptive literature with the original copy of the bid. Equivalent products will be considered for all products unless it is specifically indicated for a particular product that no substitutions are allowed. It is the sole discretion of the City to make the determination if a product will be acceptable as an equivalent.

### **SPECIFICATION COMPLIANCE**

Any supplier who willfully falsifies responses indicating compliance or non-compliance with the minimum requirements listed below will be subject to suspension and/or debarment from bidding. Vendors shall complete every line on the bid submittal forms (Does Not Meet Spec, Meets Spec or Exceeds Spec) and indicate the exact item being bid to meet the minimum specified item. An X, check or mark or yes will indicate the item specified is being provided. All bullet points must be acknowledged with the aforementioned. All exceptions shall be stated no matter how seemingly minor.

Drawings of the exact unit that your company is offering shall be included with your company's bid submittal. Once the City has determined who the awarded supplier shall be, Fleet Services and the awarded supplier shall have a "pre-construction" meeting to finalize drawings of the proposed unit.

Specifications for tandem axle chassis with tanker style dump body for Fleet Services.

### **Cab & Chassis**

	Minimum Specification	Does Not Meet Spec	Meets Spec	Exceeds Spec	Comments
<b>1</b>	<b>Engine</b>				
	Cummins power L9 370 Horsepower at 2000 RPM, 1250 Lb/Ft at 1400 rpm				
<b>2</b>	<b>Engine Equipment</b>				
	Engine mounted oil check and fill				
	Side of hood air intake with firewall mounted air cleaner				
	12V 160 AMP alternator (minimum) with remote battery volt sense				
	2 -12V threaded stud batteries 2250 CCA minimum. State the CCA _____				
	Battery box frame mounted under cab (battery box mounted so as to not interfere with up-fit components)				
	Frame ground return for battery cables				
	18.7 CFM air compressor				
	Electronic engine shutdown protection system				
	Exhaust appropriate for body configuration, up-fit and Federal Regulations horizontal exhaust pipe. Vertical is acceptable for this				

	Minimum Specification	Does Not Meet Spec	Meets Spec	Exceeds Spec	Comments
	build as long as a heat shield is also installed for safety purposes.				
	Air operated fan clutch				
	Automatic control without dash switch				
	Combination full flow/bypass oil filter				
	Aluminum radiator, 1200 sq in minimum				
	Anti-freeze rated to -34 F				
	Heavy duty coolant hoses				
	Oil pan treated to resist corrosion				
<b>3</b>	<b>Transmission and Equipment</b>				
	Allison 3000 RDS automatic transmission, with PTO provision, 6 speed, 65 mph				
	Body Builder wiring to the back of the cab w/ sealed connectors				
	Temperature gauge				
	Indicator, low coolant level, with audible alarm.				
	Magnetic plugs, engine drain, transmission drain, axles fill and drain				
	Push button, electronic shift control, dash mounted				
	Transmission oil check and fill with electronic oil level check				
	Water to oil transmission cooler				
<b>4</b>	<b>Front Axle and Suspension</b>				
	18,000 lb front axle (minimum) , standard axle setting				
	Dual steering gears				
	Meritor 16.5 x 6 cast spider cam front brakes				
	Non-asbestos front brake lining				
	Cast iron front brake drums				
	Standard spindle axle nuts for all axles				
	Automatic front slack adjusters				
	Power steering				
	2 quart translucent power steering reservoir				
	18,000 lb front suspension, taper leaf spring				
	Heavy duty front shock absorbers				
<b>5</b>	<b>Rear Axle and Suspension</b>				
	40,000 lb rear axle (minimum) Meritor				
	Automatic traction control and full differential lock				
	Main driveline with half round yokes				
	Synthetic auto trans oil & synthetic 75W-90 all axles				
	Meritor 16.5 x 7 cast spider cam rear brakes				
	Non-asbestos rear brake lining				
	Cast iron rear brake drums				
	Proper gear ratio's for 65 mph				
	Drive axle spring parking chambers				
	Automatic rear slack adjusters				
	Rear suspension 40,000 lb. Hendrickson RTE403 suspension				

	Minimum Specification	Does Not Meet Spec	Meets Spec	Exceeds Spec	Comments
<b>6</b>	<b>Pusher/Tag Equipment</b>				
	2 – Hendrickson SC13 Composite 13,200 lb air lift steerable pusher suspensions, 15x4 brakes and FF1 axles				
	2- Hendrickson SC13 13,200 lb FF1 steerable 15x4 brake integral pusher axles				
	2- dash valves and 2 gauges for dual lift axles				
	Lift axle wiring with reverse caster with last state retention with ignition off				
	2 – regulators mounted on chassis for dual lift axles				
	Hendrickson 15x4 cam pusher/tag brakes, double anchor, fabricated shoes				
	Non-asbestos pusher/tag brake lining				
	Conmet cast iron pusher/tag brake drums				
	Pusher/tag oil seals				
	Vented pusher/tag hub caps with window, center and side plugs – oil				
	Haldex longstroke pusher/tag axle service chambers				
	Haldex automatic pusher/tag slack adjusters				
	2 – Hendrickson SC13 composilite 13,200 lb steerable air lift pusher suspensions				
	Dual pusher axle spacing with forward 102 inch and 51 inch of forwardmost drive axle				
	Michelin XZE2 11R22.5 16 ply radial pusher tag tires				
<b>7</b>	<b>Brake System Equipment</b>				
	Air brake package				
	Cam type system				
	Air parking brake				
	Nylon air lines, color and size coded.				
	Standard brake system valves				
	Relay valve with 5-8 PSI crack pressure no rear-proportioning valve				
	AD-9 air dryer with heater				
	Powder coated paint on air tanks, to resist corrosion.				
	Pull cables on wet tank				
	Front and rear brake covers (dust shields)				
<b>8</b>	<b>Cab to Trunion Length</b>				
	Cab to Trunion = 178" <b>Must be compliant with body manufacturer requirements</b>				
<b>9</b>	<b>Chassis Equipment</b>				
	244" wheelbase <b>Must be compliant with body manufacturer requirements</b>				
	Front bumper treated to resist corrosion, w/ license plate mounting				
	2 tow hooks, front frame mounted				
	Frame overhang range 61" – 71"				
	¼ inch C-Channel inner frame reinforcement				
	7/16 x 3-9/16x11-1/8 inch steel frame 120 KSI				
	Clear frame rails / <b>NO</b> protrusions outboard both frame rails BOC to rear suspension Powder coated paint on the cross members				

	Minimum Specification	Does Not Meet Spec	Meets Spec	Exceeds Spec	Comments
<b>10</b>	<b>Fuel Tanks and Equipment</b>				
	50-gallon minimum rectangular aluminum step type fuel tank LH				
	Fuel tank forward				
	Tank not to extend beyond rear of cab				
	Six gallon DPF tank				
	Reinforced nylon fuel hose				
<b>11</b>	<b>Front Tires, Hubs, Wheels</b>				
	Two (2) – 385/65 x R22.5, Michelin XZY-3 18 ply				
	Cast iron front hubs				
	22.5x 12.25 10 stud -hub pilot steel disc front				
<b>12</b>	<b>Rear Drive Tires, Hubs, Wheels</b>				
	Eight (8) mud and snow rear 11R22.5 - 14 ply tires, Michelin X Multi D				
	Cast iron rear hubs				
	22.5x8.25 10 stud- hub pilot 2 hand steel disc rear wheels				
<b>13</b>	<b>Cab Exterior</b>				
	Flat roof standard conventional cab				
	Cab air suspension				
	LH and RH exterior grab handles				
	Powder coated paint on the cab entry steps, to resist corrosion				
	Remote jump posts				
	Dual electric horn				
	All locks keyed the same				
	Rear license plate mount at the end of frame				
	Integral headlight/marker assembly				
	(5) amber marker lights, LED				
	Integral stop/tail/backup lights, LED				
	Standard front turn signal lamps				
	Switch and wiring with stainless steel brackets (OEM) mounted outboard roof for 2 Whelen lights L41AP				
	Dual heated West Coast mirrors, power, 4 way adjustable				
	Door mounted mirrors				
	102" equipment width				
	LH/RH 8" convex mirrors mounted under primary mirrors				
	Standard side/rear reflectors				
	Tinted rear window				
	Tinted door glass LH & RH with tinted wing windows				
	Manual door window regulators				
	Tinted windshield				
	Windshield washer fluid reservoir 2 gallon, translucent				
<b>14</b>	<b>Cab Interior</b>				
	Gray vinyl interior				
	Molded plastic door panels				
	Forward roof mounted console with upper storage compartments, center overhead radio compartment for city radio (radios provided and installed by the City after delivery)				

	Minimum Specification	Does Not Meet Spec	Meets Spec	Exceeds Spec	Comments
	Plastic manifest holder- LH door				
	Minimizer floor mats, black				
	(2) cup holders				
	High output heater, defroster and air conditioner				
	Main HVAC controls with recirculation switch				
	High output air conditioning				
	Premium cab insulation				
	Circuit breakers- auto reset				
	AM/FM radio, (2) radio speakers (cab only)				
	Battery disconnect in cab next to driver's seat				
	Dome light with 3-way switch activated by left and right hand doors				
	Cab door latches with manual locks				
	Heavy duty air ride driver's seat				
	Heavy duty stationary passenger seat				
	LH and RH integral door panel arm rests, arm rest outboards are not needed				
	Driver's seat- vinyl				
	Passenger's seat- vinyl				
	Adjustable tilt steering column				
	450MM (18") spoke steering wheel				
	Driver and passenger interior sun visor				
<b>15</b>	<b>Instrument Panel and Controls</b>				
	Low air pressure light and buzzer				
	Primary and secondary air pressure gauges. Intake mounted air restriction indicator without graduations				
	Back up alarm 107 db (minimum)				
	Cruise control, electric, with switches on the LH switch panel				
	Key operated ignition switch and integral start position; 4 position Off/Run/Start/Acc				
	4 sets of keys required				
	ODO/Trip/Hour/Diagnostic/Voltage display				
	Diagnostic interface connector, located below dash				
	Electric fuel gauge				
	Engine ECM customer access connector mounted back of cab; park brake and neutral interlock				
	Electrical engine coolant temperature gauge				
	Transmission oil temperature indicator light or gauge, gauge is preferred. Please specify: _____				
	Power outlet on dash, dual USB and conventional power port				
	Test exterior lights- flashes exterior lights in sequence for driver pre-trip inspection				
	Engine and trip hour meters integral within driver display				
	Electric engine oil pressure gauge				
	Electronic MPH speedometer with secondary KPH scale, without odometer				
	Electronic tachometer				
	Ignition controlled engine stop				

	Minimum Specification	Does Not Meet Spec	Meets Spec	Exceeds Spec	Comments
	Single windshield wiper motor with delay				
	Marker light switch integral with headlight switch				
	Self-cancel turn signal switch with dimmer, washer/wiper in handle				
	Integral electronic turn signal flasher				
<b>16</b>	<b>Paint Designs</b>				
	Paint: one solid color				
	Cab color Bright White from manufacturer standard color sheets. Premium paint, base coat, e-coat, clear coat.				
	Chassis: black, high solids polyurethane				
	Front wheels: powder coated white front wheels/rims, to resist corrosion				
	Rear wheels: powder coated white rear wheels/rims, to resist corrosion				
<b>17</b>	<b>Manuals</b>				
	Hard copy manuals, CD if available				
<b>18</b>	<b>Warranty</b>				
	Minimum three year standard warranty to include, base warranty, drivetrain, engine, after treatment, towing and road side assistance				
<b>19</b>	<b>Training</b>				
	Eight hours of mechanic level training to include preventive maintenance, adjustments, and common maintenance insights from the manufacture. 8 hours of operator level training to be determined by customer after purchase				
<b>20</b>	<b>Electrical Connections</b> (all connections must meet this standard minimum)				
	All lighting used shall be, at a minimum, a two (2) wire light grounded through a wired connection to the battery system.				
	Wiring shall be run in loom where exposed, and have grommets or other edge protection where wires pass through metal.				
	Exterior exposed wire connectors shall be positive locking, and environmentally sealed to withstand elements such as temperature extremes, moisture and automotive fluids. Electrical wiring and equipment shall be installed utilizing the following guidelines: All wire ends not placed into connectors shall be sealed with a heat shrink end cap. Wires without a terminating connector or sealed end cap shall not be allowed.				
	All holes made in the roof shall be caulked with silicon (no exception).				
	Corrosion preventative compound shall be applied to non-waterproof electrical connectors located outside of the cab or body. All non-waterproof connections shall require this compound in the plug to prevent corrosion and for easy separation of the plug.				

	Minimum Specification	Does Not Meet Spec	Meets Spec	Exceeds Spec	Comments
	Any lights containing non-waterproof sockets in a weather-exposed area shall have corrosion preventative compound added to the socket terminal area.				
	Rubber coated metal clamps shall be used to support wire harnessing and battery cables routed along the chassis frame rails.				
	Heat shields shall be used to protect harnessing in areas where high temperatures exist. Harnessing passing near the engine exhaust shall be protected by a heat shield				
	For ease of identification, battery cables shall be color coded. All positive battery cables shall be red in color or wrapped in red loom the entire length of the cable. All negative battery cables shall be black in color				
	Wire connections shall be made using crimp style heat shrink butt splice connectors or soldered connection covered with heat shrink. If crimp style connector is used, crimping tool Westward 13H876 or equivalent must be used to prevent piercing heat shrink. Solder sleeve butt splice type connectors shall not be allowed.				

#### Tanker Style Dump Body

	Minimum Specification	Does Not Meet Spec	Meets Spec	Exceeds Spec	Comments
<b>1</b>	<b>64" diameter tank style dump body by FS Solutions or equivalent</b>				
	Non-code full tilt/full open tank dump body				
	Tank capacity 2,500 – 2,700 gallons				
	Head material – 1/4" carbon steel SA-36				
	Shell material – 1/4" carbon steel SA-36				
	Tank diameter 64" OD				
	Top openings – two 36" x 36" with 8" openings on top of tank with splash shields. Openings shall be 120" apart center to center				
	Rear door shall be a full opening rear door with self-engaging safety prop, hydraulic operated, six hydraulic rear door locks				
	Rear body drain shall be one (1) 6" drain valve bottom center of rear door with brass gate valve and camlock cap				
	Door safety prop shall be self-engaging back-door safety prop				
	Full length combination hose trays and fenders one on each side of tank to be painted black				
	Heavy duty bumper for valve and under ride protection with a 12" splash shield				
	Hydraulic vibrator installed on bottom of debris tank, mounted to 4" channel welded to ¼" reinforcing pad				
<b>2</b>	<b>Hoist</b>				
	20 tons capacity, heavy-duty hinges and grease fittings				

	Minimum Specification	Does Not Meet Spec	Meets Spec	Exceeds Spec	Comments
	Hoist safety prop, shall be self-engaging tank safety prop				
<b>3</b>	<b>PTO</b>				
	Hot shift live power take off on transmission, 3000 series RDS Allison				
<b>4</b>	<b>Pump</b>				
	Capacity to run dump body and all relative hydraulic components				
<b>5</b>	<b>Hydraulic Components</b>				
	Hydraulic hoses with 25 gallon hydraulic reservoir with hydraulic cooler				
	Suction strainer				
	Fill cap				
	Oil filters				
	Sight glass				
	3 spool valve bank for door, vibrator and hoist				
	All hydraulic functions must be operated from inside the cab for safety purposes				
<b>6</b>	<b>Lights</b>				
	All lights to be L.E.D.				
	Oval Stop/turn/tail lights, Amber Strobes, and reverse lights, to be flush mounted in rear of light pods				
	Two (2) spotlights for work with control switch in cab				
	Amber LED strobes at rear of truck to turn on when cab beacons are energized				
	All light reflectors as required by law				
	All lights to be heavy duty				
<b>7</b>	<b>Walkway</b>				
	36" anti-skid grip strut with collapsible handrail and fold down ladder between openings				
<b>8</b>	<b>Paint</b>				
	Body to be washed, sandblasted, undercoated, and primed and painted with White acrylic urethane paint.				
<b>9</b>	<b>Mud Flaps</b>				
	Two (2) mud flaps in the rear and two (2) anti-sail mud flaps in front of rear tires with no advertising Mud flaps are to be stationary plain black. <b>Rear must be removable without tools.</b>				
<b>10</b>	<b>Manuals</b>				
	Parts, service and operation manuals required. Books and CDs, (if available)				



Description	Quantity	Firm Fixed Unit Price
Firm Fixed Price to provide and deliver one (1) tandem axle chassis with tanker dump body	1	\$
Option: Extended warranty to include 5 years total, engine aftertreatment, and transmission.	1	\$

Truck Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_ Model Year: \_\_\_\_\_

Dump Body Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_ Model Year: \_\_\_\_\_

Warranty Information: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

An approved purchase order will be the document that authorizes work to begin.

Estimated lead time upon receipt of purchase order: \_\_\_\_\_ calendar days

Dealer Name: \_\_\_\_\_

NOTE: All bids MUST be submitted by a licensed vehicle dealer in the State of Iowa

Dealer Representative Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**DELIVERY ADDRESS:**

Joy Huber  
 City of Cedar Rapids Fleet Services Division  
 500 15<sup>th</sup> Avenue SW  
 Cedar Rapids, IA 52404

**BILLING ADDRESS:**

Finance Department – Accounts Payable  
 City of Cedar Rapids  
 101 First Street SE, PO Box 2148  
 Cedar Rapids, IA 52406-2148

Name of Company: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Date: \_\_\_\_\_