BID PRICING SUBMITTAL FORM TANDEM AXLE SIDE LOADER, GARBAGE WASTE, RFB #PUR0417-208 ATTACHMENT B

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.

Cab & Chassis

| | | Does Not | Meets | Exceeds | |
|---|--|-----------|-------|---------|----------|
| | Minimum Specification | Meet Spec | Spec | Spec | Comments |
| 1 | Engine | | | | |
| | 370 HP Cummins ISL9, with current Tier level | | | | |
| | requirements | | | | |
| | 2100 Gov. 1150 ft-lb. | | | | |
| 2 | Electronic Parameters | | | | |
| | PTO function enable | | | | |
| 3 | Engine Equipment | | | | |
| | Remote mounted oil check and fill | | | | |
| | One piece valve cover | | | | |
| | 15" air cleaner | | | | |
| | DR 12V 160 AMP 36-SI Quadra mount | | | | |
| | alternator | | | | |
| | (3) GRP31 12V MF 2280 CCA threaded stud | | | | |
| | batteries | | | | |
| | Frame ground return for battery cables and | | | | |
| | positive posts - <u>Jumpstart posts</u> | | | | |
| | Non-polished battery box cover | | | | |
| | No clutch | | | | |
| | 18.7 CFM air compressor | | | | |
| | Steel compressor discharge line with integral | | | | |
| | quick connect system charging valve | | | | |
| | Electronic engine integral shutdown protection | | | | |
| | system | | | | |
| | No retarder | | | | |
| | RH mounted vertical stack exhaust | | | | |
| | Engine after treatment with both active and | | | | |
| | manual regeneration with appropriate dash | | | | |
| | mounted switches | | | | |
| | RH curved top stack | | | | |
| | Aluminum after treatment heat shield | | | | |
| | 11'6" exhaust system height | | | | |
| | Automatic fan control without dash switch | | | | |
| | Fuel – water separator fuel filter | | | | |
| | Full flow oil filter | | | | |
| | Extended purge dryer | | | | |
| | 1300 sq. in. aluminum radiator | | | | |
| | Anti-freeze to -34F, ethylene glycol pre- | | | | |
| | charged SCA heavy-duty coolant | | | | |
| | Blue Stripe coolant hoses | | | | |
| | Constant tension hose clamps for coolant | | | | |
| | hoses | | | | |
| | No radiator draincock | | | | |
| | Lower radiator guard | | | | |
| | Aluminum flywheel housing | | | | |
| | Air intake warmer | | | | |
| | 12V starter with integrated magnetic switch | | | | |
| | Electric engine block heater | | | | |
| | | | | | |

| | | Does Not | Meets | Exceeds | |
|------------------|---|-----------|-------|---------|----------|
| | Minimum Specification | Meet Spec | Spec | Spec | Comments |
| 4 | Transmission and Equipment | | | | |
| | Allison 3000 RDS Automatic Transmission, | | | | |
| | with PTO provision | | | | |
| | WTEC calibration- 6 speed RDS with auto | | | | |
| | neutral (package 170) | | | | |
| | Vehicle interface wiring and PDM with body | | | | |
| | builder connector at end of frame | | | | |
| | Front mounted PTO behind grill cannot extend | | | | |
| | past front bumper | | | | |
| | Magnetic plugs, engine drain, transmission | | | | |
| | drain, axles fill & drain | | | | |
| | Push button, electronic shift control, dash | | | | |
| | mounted | | | | |
| | Transmission oil check and fill with electronic | | | | |
| | oil level check Water to oil transmission cooler under radiator | | | | |
| 5 | | | | | |
| Э | Front Axle and Suspension | | | | |
| | Dana 2200W, 20,000 lb front axle 16.5 X 6 Q+ cast spider cam front brakes, | <u> </u> | | | |
| | double anchor, fabricated shoes | | | | |
| | Non-asbestos front brake lining | | | | |
| | Cast iron front brake drums | | | | |
| | Vented front hub caps | | | | |
| | Standard spindle axle nuts for all axles | | | | |
| | Automatic front slack adjusters | | | | |
| | Power steering | | | | |
| | 4-quart see-thru power steering reservoir | | | | |
| | 20,000 lb flat leaf front suspension | | | | |
| | Front shock absorbers | | | | |
| - | Spring pins grease point – location of grease | | | | |
| | points to be communicated by successful | | | | |
| | bidder | | | | |
| 6 | Rear Axle and Suspension | ı. | | 1 | |
| | Meritor RT-46-160 R-series tandem rear axle | | | | |
| | @46,000# | | | | |
| | 6.43 ratio with traction control | | | | |
| | Iron rear axle carrier housing | | | | |
| | 1710 main driveline with half round yokes | | | | |
| | 1710 inter-axle driveline with half round yokes | | | | |
| | No traction equalizer | | | | |
| | One (1) inter-axle lock control valve for | | | | |
| | tandem or tridem drive axles | | | | |
| | Warning light for inter-axle wheel lock | | | | |
| | Synthetic Auto Trans oil & Mobil Synthetic | | | | |
| | 75W-90 all axles | | | | |
| | Meritor 16.5 X 7 Q+ cast spider cam rear | | | | |
| | brakes, double anchor, fabricated shoes | | | | |
| $\left \right $ | Non-asbestos rear brake lining | | | | |
| $\left \right $ | Cast iron rear brake drums | | | | |
| | Rawhide Scotch seal Plus XL rear oil seals | | | | |
| | Haldex Goldseal on all drive axles | | | | |
| | Haldex automatic rear slack adjusters | | | | |
| | Hendrickson HMX460, 46,000 lb suspension | | | | |
| $\left \right $ | with torque rods | | | | |
| | 54" axle spacing | | | | |
| | Fore and aft and transverse control rods | | | | |

| | | Does Not | Meets | Exceeds | |
|----|---|-----------|----------|---------|----------|
| | Minimum Specification | Meet Spec | Spec | Spec | Comments |
| 7 | Brake System Equipment | • | <u> </u> | ••• | |
| | Air brake package | | | | |
| | ABS with traction control enhancement | | | | |
| | Reinforced nylon, fabric braid and wire braid | | | | |
| | chassis airlines | | | | |
| | Standard brake system valves | | | | |
| | Relay valve with 5-8 PSI crack pressure no | | | | |
| | rear-proportioning valve | | | | |
| | BW AD-IP (DRM) brake line air dryer heater | | | | |
| | Steel air brake reservoirs | | | | |
| | Central air drain manifold | | | | |
| 8 | Wheelbase and Frame | | | | |
| | Wheelbase = 251" (in.) approx. | | | | |
| | Bridge length 23' | | | | |
| | 10.76 x 3.50 x .375 body builder dependent | | | | |
| | drop frame | | | | |
| | 1/4" c-channel inner frame reinforcement | | | | |
| | Rear frame overhang = 78" (in.) rating at 4.2 | | | | |
| | RBM | | | | |
| | Frame overhang range 71" to 80" | | | | |
| | Square end of frame | | | | |
| | Light weight heavy duty aluminum engine | | | | |
| | cross member | | | | |
| | Standard rearmost cross member | | | | |
| | Heavy duty suspension cross member | | | | |
| 9 | Chassis Equipment | 1 | 1 | | |
| | Steel bumper with wrap-around steel ends | | | | |
| | Two (2) front tow hooks, frame mounted, | | | | |
| | exposed for easy hook up | | | - | |
| | Bumper mounting for license plate | | | - | |
| | Clear frame rails / NO protrusions outboard | | | | |
| | both frame rails BOC to rear suspension - | | | | |
| | must be compliant with body builder | | | | |
| | requirements | | | | |
| | Huck bolt fasteners | | | | |
| 10 | Fuel Tanks and Equipment | 1 | 1 | T | F |
| | 50-gallon rectangular aluminum fuel tank | | | | |
| | Fuel/water separator w/12V heater | | | | |
| | Reinforced nylon fuel hose | | | | |
| | No fuel cooler | | | | |
| 11 | Front Tires, Hubs, Wheels | 1 | | | |
| | Michelin XZUS2 315/80R22.5 20 ply | | | | |
| | Pre-set bearing iron front hubs | | | | |
| | 22.5 X 9.00 10-hub pilot 3.12 inset aluminum | | | | |
| | for max wheel cut | | | | |
| 12 | Rear Drive Tires, Hubs, Wheels | | | | |
| | Michelin XDY3 11R22.5 16 ply | | | | |
| 10 | Pre-set bearing iron rear hubs | | | | |
| 13 | Cab Exterior | | | | |
| | COE cab galvanized steel flat roof cab | | | | |
| | Aluminum and fiberglass cabs are | | | | |
| | unacceptable | | | | |
| | Poly fender extensions | | | | |
| | Grab handle LH and RH | | | | |
| | Removable type grill with bug screen | | | ļ | |
| | Single outside self-cleaning steps | | | | |

| | | Does Not | Meets | Exceeds | |
|-----|---|-----------|-------|---------|----------|
| | Minimum Specification | Meet Spec | Spec | Spec | Comments |
| | Steel doors | Meet Opec | Opec | Opec | Commenta |
| | Dual air horn | | | | |
| | All locks keyed the same | | | | |
| | LED headlight | | | | |
| | LED marker lights | | | | |
| | Electric over hydraulic cab tilt assist | | | | |
| | Standard front turn signal lamps | | | | |
| | Dual bright finish heated West Coast mirrors | | | | |
| | with LH/RH remote | | | | |
| | Mirrors must be adjustable electronically and | | | | |
| | from both driving positions | | | | |
| | Remote switch mounted on center of | | | | |
| | dashboard within reach of the right or left side | | | | |
| | driver compartment | | | | |
| | Door mounted mirrors, with retractable arms | | | | |
| | 102" equipment width | | | | |
| | LH/RH 8" stainless steel color convex mirrors | | | | |
| | mounted under primary mirrors, heated | | | | |
| | Standard side/rear reflectors | | | | |
| | Tinted windshield | | | | |
| | | | | | |
| | Windshield washer reservoir without fluid level indicator | | | | |
| 4.4 | | | | | |
| 14 | Cab Interior | | | | [|
| | Cab interior room to be 120-125 cubic feet to | | | | |
| | provide ample room for operator in both right | | | | |
| | and left hand operations | | | | |
| | Dual sit down drive with left and right hand | | | | |
| | operation | | | | |
| | Battery disconnect switch | | | | |
| | Molded plastic door panels | | | | |
| | Rubber floor covering with insulation | | | | |
| | Forward roof mounted console | | | | |
| | 5 lb. fire extinguisher | | | | |
| | Integral heater, defroster and air conditioning | | | | |
| | dash mounted | | | | |
| | Main HVAC controls with recirculation switch | | | | |
| | Standard heater plumbing with shut off valves | | | | |
| | Sanden heavy duty air conditioner compressor | | | | |
| | Binary control, R-134A | | | | |
| | Cab insulation | | | | |
| | Solid state circuit protection and fuses | | | | |
| | 12V negative ground electrical system | | | | |
| | Dome light with 3 way switch activated by | | | | |
| | door | | | | |
| | Cab door latches with manual locks | | | | |
| | Bostrom high back, air suspension driver seat | | | | |
| | Bostrom high back, air suspension passenger | | | | |
| | seat | | | | |
| | Integral door panel arm rests | | | | |
| | 3 point fixed retractor driver and passenger | | | | |
| | seatbelts | | | | |
| | Fixed steering column | | | | |
| | 16" steering wheel | | | | |
| | Driver and passenger interior sun visor | | | | |
| | | | | | |
| | | | | | |

| | | Does Not | Meets | Exceeds | |
|----|--|-----------|-------|---------|----------|
| | Minimum Specification | Meet Spec | Spec | Spec | Comments |
| 15 | Instrument Panel & Controls | | | | |
| | Engine remote interface with park brake and | | | | |
| | auto neutral | | | | |
| | Low air pressure light and buzzer | | | | |
| | Primary and secondary air pressure gauges | | | | |
| | Intake mounted air restriction indicator without | | | | |
| | graduations | | | | |
| | Cruise control - elec. engine with switches | | | | |
| | Key operated ignition switch and integral start | | | | |
| | position; 4 position Off/Run/Start/Acc, located | | | | |
| | in center of vehicle | | | | |
| | Overhead CB Radio provision Center location ignition switch | | | | |
| | Circuit Boss – Circuit Isolator #70207 (7 | | | | |
| | circuits), Painless is the current product line | | | | |
| | we use configured as follows: | | | | |
| | Circuit 1-3 – constant power | | | | |
| | Circuit 4-7 – ignition powered | | | | |
| | Exact connection to particular component will | | | | |
| | be determined with successful bidder | | | | |
| | 4 sets of keys required | | | | |
| | ODO/Trip/Hour/Diagnostic/Voltage display | | | | |
| | with on-board diagnostics on both sides | | | | |
| | LH/RH drivers | | | | |
| | Diagnostic interface connector, 9 pin, SAE | | | | |
| | J1587/1708/1939, located below dash | | | | |
| | Electric fuel gauge | | | | |
| | Engine remote interface not configured | | | | |
| | Park brake and auto neutral | | | | |
| | Electrical engine coolant temperature gauge | | | | |
| | Transmission oil temperature indicator light Power outlet on dash | | | | |
| | Engine and trip hour meters integral within | | | | |
| | driver display | | | | |
| | Electric engine oil pressure gauge | | | | |
| | AM/FM/WB radio | | | | |
| | Two (2) radio speakers (cab only) | | | | |
| | AM/FM/WB radio antenna mounted on roof | | | | |
| | Electronic MPH speedometer with secondary | | | | |
| | KPH scale | | | | |
| | Electronic Tachometer, 3000 RPM | | | | |
| | Ignition controlled engine stop | | | | |
| | Illuminated rocker switch with wire to BOC | | | | |
| | Refuse work brake for drive axle SVC brakes, | | | | |
| | dash switch, w/tran auto neutral | | | | |
|] | Digital voltage display integral with driver | | | | |
| | display | | | | |
| | Single windshield wiper motor with delay | | | | |
| | Park brake system with dash valve control | | | | |
| | auto neutral and warning indicator | | | | |
| 40 | Self-cancelling turn signal switch | l | | | |
| 16 | Paint Designs Paint: one solid color | | | | |
| | Cab color A: Imron N0006EA White Elite SS | | | | |
| | | | | | |
| | Chassis: Black, high solids polyurethane Front wheels: Aluminum front wheels/rims | | | | |
| | FIGHT WHEEIS. AUTHINUM HONL WHEEIS/HIMS | | | | |

| | | Does Not | Meets | Exceeds | |
|----|---|-----------|-------|---------|----------|
| | Minimum Specification | Meet Spec | Spec | Spec | Comments |
| | Rear: Vendor white rear wheels/rims | • | | | |
| | Standard "vehicle makes frequent stops" decal on rear of body 24" tall by 72" wide. | | | | |
| | Placement will be determined by Solid Waste Management staff before decal is placed on vehicle but generally centered so that approaching traffic has decal in normal line of sight | | | | |
| | Bumper paint FFP24812 Argent Silver DuPont Flex | | | | |
| 17 | Factory Dual Drive Conversion | | | | |
| | Dual drive, sit down RH and LH side drive | | | | |
| | Aftermarket conversions are <u>not</u> acceptable on the cab-over chassis | | | | |
| 18 | Manuals | | | | |
| | Hard copy, exactly as stated on page 4 of the bid document | | | | |
| 19 | Warranty | | | | |
| | Warranty will be the standard cab and chassis truck warranty provided by the truck manufacturer | | | | |
| 20 | Additional Warranty | | | | |
| | 5 year extended engine warranty parts and labor | | | | |
| | 5 year extended transmission warranty for refuse vocation | | | | |
| | Vendor to provide a warranty summary card identifying all applicable warranties | | | | |

Side Loader Body – Perkins only - No substitutions

| | | Does Not | Meets | Exceeds | |
|---|--|-----------|-------|---------|----------|
| | Minimum Specification | Meet Spec | Spec | Spec | Comments |
| 1 | General | | | | |
| | Side load packer body and hopper design will allow manual and automated loading without any changes to hopper or body equipment configuration required to do either task To ensure correctness, the body manufacturer will mount the automated side loading lifting | | | | |
| | arm | | | | |
| | At no time during the automated process of dumping of container shall any part of the arm or container extend above the static roofline of the body | | | | |
| | Grab clamp shall be actuated by two cylinders and use a high friction rubber strapping to enable loading of both 32 to 100 gallon garbage cans and roll carts | | | | |
| | Maximum manual loading height shall be 5.5' above frame | | | | |
| | Manual loading shall be accomplished without the use of a container | | | | |
| | High-density side-load body to be approximately 29 cubic yards exclusive of the hopper | | | | |

| | | Does Not | Meets | Exceeds | |
|----------|---|-----------|-------|---------|----------|
| | Minimum Specification | Meet Spec | Spec | Spec | Comments |
| | Rear roof wire protection | | | | |
| 2 | Hopper | • | | | |
| | Hopper capacity to be 4.0 cubic yards located | | | | |
| | directly behind cab | | | | |
| | Hopper floor and sides to be 3/16" abrasion | | | | |
| | resistant 70,000 PSI steel | | | | |
| - | Hopper crusher panel, full width | | | | |
| 3 | Hopper Doors | | 1 | 1 | |
| | Hopper loading area is completely enclosed | | | | |
| | with a right and left hand doors | | | | |
| | Right (curbside) hopper door is to be split for arm operation with the lower portion of door | | | | |
| | closed | | | | |
| | Hopper side door handle type latch | | | | |
| | Shovel and broom aluminum holders on | | | | |
| | curbside hopper door | | | | |
| 4 | Electrical System | | • | | |
| | All switches to be watertight and mounted into | | | | |
| | an anti-corrosion box | | | | |
| 5 | Paint | | | | |
| | Body and hopper to include the standard | | | | |
| | sandblasting, two coats of quality primer, rust | | | | |
| | proofing, fog coating and finishing coat of | | | | |
| | IMRON acrylic lacquer or acrylic super enamel | | | | |
| | Finish coat on box to be Dupont Imron white to match chassis color | | | | |
| 6 | Exterior Lights/Reflectors | | | | |
| 0 | As required by D.O.T. and I.C.C. | | | 1 | |
| | Lights to be <i>LED Style</i> , watertight, recessed | | | | |
| | stop, clearance, taillights and orange or yellow | | | | |
| | warning beacon lights on front and back of | | | | |
| | packer box | | | | |
| | Lights to meet FMVSS specifications | | | | |
| | All lights will be of LED type except rotating | | | | |
| | beacons | | | | |
| | Unit shall have mid-body turn signals | | | | |
| | Work light(s) are to be installed in hopper for | | | | |
| | observation of hopper contents and operation | | | | |
| | in low light conditions | | | | |
| | Two (2) amber warning rotating beacon lights or strobe lights or combination of types to be | | | | |
| | installed on corners of rear tailgate and one on | | | | |
| | roof of cab | | | | |
| | Whelen products L41AP is Cedar Rapids | | | | |
| | standard | | | | |
| 7 | Controls, Gauges, Sensors | | | | |
| 1 | Controls to consist of right, left and inside cab | | | | |
| | packer controls | | | | |
| | Joystick control shall have mountings at sit | | | | |
| | down positions of cab for operation from either | | | | |
| | side of cab | | | | |
| | One (1) right hand crusher panel control | | | | |
| 1 | Inside cab controls for tailgate and body hoist | | | | |
| <u> </u> | and pack-on-the-go feature Dual controls on packer body for operation | <u> </u> | | | |
| 1 | from both sides | | | | |
| <u> </u> | Emergency stop at all control stations and | | | | |
| L | | | | | |

| | | Does Not | Meets | Exceeds | |
|----|---|-----------|-------|---------|----------|
| | Minimum Specification | Meet Spec | Spec | Spec | Comments |
| | panic bar mounted on curbside hopper area | Meet opec | Opec | Opec | Commento |
| | Manual control valve in cab with safety lock to | | | | |
| | prevent accidental activation of body hoist | | | | |
| | Proximity switch/sensor for extending and | | | | |
| | retracting position of packer | | | | |
| | All controls and accessories required for safe | | | | |
| | operation of the vehicle shall be supplied | | | | |
| 8 | Cameras and Vision System | | | | |
| - | Color, low light cameras shall be mounted on | | | | |
| | tailgate and in hopper area and curb side view | | | | |
| | to observe collection arm and dumping into | | | | |
| | hopper with LCD color monitor mounted in cab | | | | |
| | Complete system shall be color | | | | |
| | Minimum 5" LCD | | | | |
| | Angeltrax or Pro Vision DVR system with 5 | | | | |
| | color cameras and VSM GPS | | | | |
| 9 | Accessories | • | | | |
| | Mud guards are to be placed in front of rear | | | | |
| | axle and mud flaps are to be placed behind | | | | |
| | rear axle | | | | |
| | Grease gun holder, preferably OTC 2340 | | | | |
| | Clean out tool and aluminum holder | | | | |
| | Shovel and broom aluminum holders on | | | | |
| | curbside hopper door | | | | |
| | Inside hopper bracket | | | | |
| | Fenders | | | | |
| | ICC bumper, full width | | | | |
| 10 | Training | | | - | |
| | Training for operation and maintenance of the | | | | |
| | unit and all equipment contained on the unit | | | | |
| 11 | Manuals | | 1 | | |
| | | | | | |
| | Hard copy, exactly as stated on page 4 of the | | | | |
| | bid document | | | | |
| | bid document One (1) set of operating, service and part | | | | |
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| 12 | bid document One (1) set of operating, service and part manuals including maintenance procedures Vendor is required to provide the City with a listing of all filters used on the finished product The listing must include filter type, use, and model number Warranty | | | | |
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| | | Does Not | Meets | Exceeds | |
|----|---|-----------|-------|---------|----------|
| | Minimum Specification | Meet Spec | Spec | Spec | Comments |
| | The cart tipper cycle time shall be 10-15 | moor opeo | Opeo | 0,000 | Commonto |
| | seconds | | | | |
| | The cart tipping dump angle shall be a | | | | |
| | minimum of 50 degrees | | | | |
| | The cart tipper shall weigh a maximum of 135 | | | | |
| | pounds | | | | |
| | The tipper shall have a 1-year warranty on all | | | | |
| | parts and labor | | | | <u> </u> |
| 14 | Grab Specifications for Arm | | 1 | 1 | |
| | Minimum container size shall be 32 gallons | | | | |
| | Maximum container size shall be 100 gal. | | | | |
| | Minimum lifting capacity shall be 400 # at | | | | |
| | maximum reach of 120" (approx ten (10) feet) Grab Pack programmable packer cycle after | | | | |
| | cart pick-up, including multi-cycle option | | | | |
| | Deflector shield shall be installed on arm | | | | |
| | above grabber to protect cart lids if cart is | | | | |
| | not set out properly faced to the curb and | | | | |
| | to direct flow of product into hopper | | | | |
| | High-density side-load body to be | | | | |
| | approximately 29 cubic yards exclusive of the | | | | |
| | hopper | | | | |
| | Hopper capacity to be 4.0 cubic yards located | | | | |
| | directly behind cab | | | | |
| | Hopper floor and sides to be 1/4" abrasion | | | | |
| | resistant 65,000 PSI steel | | | | |
| | Minimum hopper door width of 60 inches | | | | |
| | The hopper area shall also be designed to | | | | |
| | accommodate an automated arm style lifting device | | | | |
| 15 | Hydraulics | | | | |
| 15 | Hydraulics system shall be designed to ensure | | 1 | | |
| | easy maintenance | | | | |
| | Hydraulic valve for curbside mounted tipper | | | | |
| | shall not interfere with manually loading | | | | |
| | operations | | | | |
| 16 | Electrical System | | | | |
| | All switches to be watertight and mounted into | | | | |
| | an anti-corrosion box | | | | |
| | All circuits properly fused with color-coded and | | | | |
| | numbered wiring | | | | |
| | Fuse box location to be situated in truck cab at | | | | |
| | console | | | | |
| | Fuses or breakers in battery box are <u>not</u> | | | | |
| 17 | acceptable Exterior Lights/Reflectors | I | | | |
| 17 | As required by D.O.T. and I.C.C. | | | | |
| | Lights to be <i>Truck-Lite</i> brand or approved | | | | |
| | equal, watertight, recessed stop, clearance, | | | | |
| | taillights | | | | |
| | All lights shall be LED style | | | | |
| | | | | | |
| 1 | Lights to meet FIVIVSS specifications | | 1 | | |
| | Lights to meet FMVSS specifications Rotating amber warning beacon Whelen | | | | |
| | Rotating amber warning beacon Whelen L41AP lights shall be installed on rear tailgate | | | | |
| | Rotating amber warning beacon Whelen | | | | |
| | Rotating amber warning beacon Whelen L41AP lights shall be installed on rear tailgate | | | | |

| | | Doog Not | Maata | Evende | |
|----|---|-----------------------|---------------|-----------------|----------|
| | Minimum Specification | Does Not Meet Spec | Meets Spec | Exceeds Spec | Comments |
| | Full width upper light panel with all lighting | Meet Spec | Spec | Spec | Comments |
| | Mid tailgate light bars, all lights functional | | | | |
| | Lower tailgate light panel, all lights functional | | | | |
| 18 | Controls | 1 | | 1 | |
| 10 | Controls to consist of right, left and inside cab | [| | | |
| | packer controls | | | | |
| | Inside cab controls for tailgate and body | | | | |
| | hoist and pack-on-the-go feature | | | | |
| | Manual control valve in cab with safety lock to | | | | |
| | prevent accidental activation of body hoist | | | | |
| | All controls, accessories required for safe | | | | |
| | operation of the vehicle shall be supplied | | | | |
| | Color, low light cameras shall be mounted on | | | | |
| | tailgate, in hopper area and curb side view to | | | | |
| | observe collection arm and dumping into | | | | |
| | hopper | | | | |
| | Complete system shall be color | | | | |
| | Minimum 5" LCD color monitor mounted in | | | | |
| 40 | cab | L | | | |
| 19 | Accessories | I | | | |
| | Mud guards are to be placed in front of rear axle and mud flaps are to be placed behind | | | | |
| | rear axle | | | | |
| | The packer shall be equipped with a back up | | | | |
| | alarm with a volume of 105 dB | | | | |
| | All controls, accessories required for safe | | | | |
| | operation of the vehicle shall be supplied and | | | | |
| | shall include the following, air toggle switch to | | | | |
| | apply service, brakes located on right hand | | | | |
| | side at right of steering wheel | | | | |
| | Vulcan on-board scale system, G703 system | | | | |
| 20 | Electronical Connections (all connections m | ust meet this | standard | l 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 | | | | |
| | 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 | | | | |
| | | | | | |
| | | | | | |
| 1 | | 1 | | | 1 |

| | Does Not | Meets | Exceeds | |
|---|-----------|-------|---------|----------|
| Minimum Specification | Meet Spec | Spec | 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 | | | | |

| Qty | Description | Firm Fixed Price | |
|-----|--|------------------|--|
| | | | |
| 1 | Tandem Axle Side Loader – Garbage Waste per the specifications | \$ | |

| Tandem axle cab and chassis manufacturer and model | | | | | | |
|--|-----|---------------|--|--|--|--|
| Is chassis dealer authorized by the manufacturer to sell, warrant and service equipment as bid | Yes | No | | | | |
| Is side loader manufactured by Perkins Yes No | | | | | | |
| Is body dealer authorized by the manufacturer to sell, warrant and service equipment as bid | Yes | No | | | | |
| Estimated delivery time upon receipt of purchase order | | calendar days | | | | |
| Dealer Name | | | | | | |
| NOTE: The bid must be submitted by a licensed vehicle dealer in the State of Iowa | | | | | | |
| Dealer representative signature Date | | | | | | |

| Dealer | represent | ative | signature |
|--------|-----------|-------|-----------|
|--------|-----------|-------|-----------|

| DELIVERY ADDRESS | BILLING ADDRESS |
|-----------------------------|---------------------------------------|
| Joy Huber | Finance Department – Accounts Payable |
| Fleet Services Division | City of Cedar Rapids |
| 500 15 th Ave SW | 101 1 st St SE |
| Cedar Rapids, IA 52404 | PO Box 2148 |
| | Cedar Rapids, IA 52406-2148 |