City of Glasgow  
Department of Public Works  
Purchase of (1) 2015 White Rear Load Garbage Truck

To: All Interested Bidders

Subject: 2015 (1) White Rear Load Garbage Truck

Attached are specifications for a 2015 Rear Load Garbage Truck

Should you have any questions, please call Superintendent of Public Works, Kurt Frey at 270-651-5977. Be sure to return all required forms that were sent with bid packet.

Bidder:

________________________________________

Signature: Date:

________________________________________
City of Glasgow
Invitation To Bid/Purchase

Opening Date and Time:
Monday, October 13, 2014 @ 4:00 P.M.
Glasgow City Hall
Office of the Mayor
126 East Public Square
Glasgow, KY 42141

Bids will be publicly opened and read on the above stated date and time, local time prevailing. Late bids will not be accepted. No extension of the bidding period will be made. The City reserves the right to award a bid to multiple bidders when more than one item appears in a bid package.

Purchase requested by: Glasgow Department of Public Works – Sanitation Department

<table>
<thead>
<tr>
<th>Item Supplies/Services</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Total Cost</th>
</tr>
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<tbody>
<tr>
<td>2015 (1) White Rear Load Garbage Truck</td>
<td>1 Unit</td>
<td>$__________</td>
<td>$__________</td>
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Delivery Date:

Warranty information for vehicle and equipment must be provided with bid.

The City of Glasgow – Department of Public Works reserves the right to reject any and all bids. Bids must be good for 90 days.

In compliance with the above, the undersigned offers and agrees, if this bid is accepted within ninety (90) calendar days from the date of opening. To furnish any and all of the items upon which prices are quoted at the price set opposite each item. Delivered at the designated point(s) within the time specified in the schedule. Items on bid are exempt from federal excise tax and Kentucky sales and use tax. Title shall pass to the City of Glasgow upon actual receipt and acceptance of the items. In the event there is a discrepancy between the unit price and the extended price, the unit price shall govern.

Procurement: City of Glasgow does abide by Residential Bidder Preference per KRS 45A.490 - .494: KAR 5:400. This is designed to give in-state bidders an advantage against out-of-state bidders whose states have own bidder preference laws. Prior to awarding a contract, City of Glasgow must provide a preference to resident bidders of KY against non-resident bidders, IF those non-resident bidders are registered in a state that gives or requires its own residential bidder preference. Preference must be equal to preference given or required by state of non-resident bidder. If tie between resident and non-resident, preference must go to resident.
PURCHASE BID SHEET FOR:

2015 (1) WHITE REAR LOAD GARBAGE TRUCK

This specification covers a 2015 (1) White Rear Load Garbage Truck. Garbage Truck shall be equipped with any additional items listed below and must be the manufacturer's latest production model. All items that are considered standard but are not specifically mentioned in these specifications are to be included. Garbage Truck including all necessary equipment shall be furnished, delivered new, complete and turn-key ready for use. Vehicle shall be comparable with the following basic requirements unless otherwise noted. Bidders shall indicate exactly what they are offering in the following blanks under “BIDDER'S RESPONSE”. Successful bidder will be responsible for delivering the Garbage Truck to the City of Glasgow-Department of Public Works, 310 West Front Street, Glasgow, KY 42141, 270-651-5977 with all equipment installed.

Bidders must include a sample copy of the finance documents and provide all payment information.

MAKE: ___________________________________________ MODEL: ___________________________________________
SPECIFICATIONS FOR 2015 REAR-LOADING REFUSE BODY & CHASSIS TRUCK

GENERAL: All equipment furnished shall be new, unused and of the manufacturer’s current production design. Bidder must accurately complete this specification sheet and include it as a portion of his bid response. Failure to accurately complete and submit this form, shall be grounds for rejection of bid. If “NO” is checked on any item, then bidder shall state exceptions being noted on a separate page.

I. CHASSIS CAB SPECIFICATIONS

New and Unused 2015 Conventional Chassis Kenworth T300 or equal, 138” CA, White, 33,000 #GVWR

COLOR

White

ENGINE

1. Paccar PX-9, 6 Cylinder, 300 HP; 860 Lb-ft of Torque, 2010 Emissions

2. Single Horizontal Stainless Steel Muffler, Aftertreatment Device Frame Mounted with Vertical Tailpipe and Guard

3. 30.4 CFM Air Compressor

4. Two (2) H.D. Batteries 1400 CCA with Battery Cut-Off Switch

5. 160 Amp Alternator

6. Heavy Duty Radiator, 1,000 in² Radiator Core

7. Circuit Breakers In Lieu Of Fuses

8. 1750W/ 120V Engine Block Heater

9. Heated Fuel / Water Separator

TRANSMISSION

Allison Automatic 6-Speed 3500 RDS with PTO Provisions

FRONT AXLE & SUSPENSION

1. 10,000 Lb. Capacity Set Back Front Axle

2. 10,000 Lb. Capacity Front Suspension

3. Power Steering

REAR AXLE & SUSPENSION

1. 23,000 Lb. Single-Speed Rear Axle

2. 28,000 Lb. Rear Suspension Plus Helper

3. Rear Axle Ratio To Maintain Highway Of 65 MPH

4. Driver Controlled Rear Differential Lock
FRAME

1. Heavy-Duty Frame, 120,000 PSI, 14.80 Section Modulus, 1,776,000 RBM
2. Removeable Front Tow Hooks
3. Full-Width Heavy-Duty Chromed Aerodynamic Front Bumper

BRAKES

1. Full ABS Air Brakes, 16.5” X 7” Rear, 16.5” X 5” Front
2. Moisture Ejector
3. Heated Air Dryer
4. Automatic Slack Adjusters, Front And Rear

FUEL TANK

75 Gallon Aluminum LH with 11 Gallon DEF Tank

WHEELS & TIRES

1. 22.5 X 8.25 Hub Piloted Aluminum Disc Wheels
2. 11.00R22.5 H (14PR) Radial Front Tires, Bridgestone R268ECOPIA
3. 11.00R22.5 H (14PR) Radial Rear Tires, Bridgestone M726EL

CAB EQUIPMENT

1. Dual West Coast Style Polished Stainless Steel Mirrors With Dual Stainless Steel Convex Spot Mirrors
2. Intermittent Windshield Wipers & Washers
3. Integral Air Conditioner With Heater And Defroster
4. Air Horn
5. Tinted Glass All Around
6. LH & RH Cab Entry Assist Handles
7. Kenworth Air Cushion Driver’s Seat With Two (2) Man Passenger Seat
8. Tilt Hood
9. AM/FM/WB
10. Gauge Package To Include Standard Gauges With Low Coolant Level Indicator With Audible Alarm, Transmission Oil Temperature Gauge

WARRANTY

Bidder Shall State Warranty
II. REFUSE BODY SPECIFICATIONS

CAPACITY

1. The structural integrity of the body shall allow high density loading of up to 1,000 Lbs. per cubic yard of normal refuse and have a minimum capacity of 20 cubic yards, exclusive of the tailgate loading area and the space occupied by the ejection panel

2. The body sides shall be of contoured shell design with no side brackets to trap moisture and increase likelihood of rusting

3. The hopper shall have a minimum capacity of 3.0 cubic yards

BODY DIMENSIONS

4. Maximum Outside Body Width 96”

5. Maximum Overall Body Height Above the Chassis Frame Rails 96”

6. Maximum Overall Length of Body and Tailgate Combined Shall Not Exceed 234”

7. Maximum Body Inside Height Not To Exceed 79”

BODY MATERIALS

1. Body Sides Shall Be Fabricated From 10 Gauge Minimum High-Tensile Steel. Body Sides Shall Be Of The Quad Break Construction For Added Strength. Body Sides And Roof Shall Be Perimeter Reinforced To Withstand Continuous Operation. Body Perimeter Side Bolsters Shall Be 6 3/8” Wide X 10 Gauge, 50,000 PSI Minimum Yield Steel Boxed Shaped Formed Channels At The Front And 13 ¾” Wide X 10 Gauge, 50,000 PSI Minimum Yield Steel Boxed Shaped Formed Channels At The Rear Reinforcement Braces Shall Be Full Welded To The Body Sheets. Unit Must Be Supplied With Vertical Side Bracing At Both The Front And Rear Corners

2. A Roof Of 8 Gauge Minimum High-Tensile Steel Shall Be Connected To The Body Sides With Integral Full-Length Roof Rails

3. The Body Floor Shall Be Fabricated From 10 Gauge Minimum High-Tensile Wear Resistant Steel. Floor Shall Be Smooth With No Troughs To Collect Liquids and Contaminants. Trough Is Not Acceptable

4. Floor Shall Be Supported By Full Width 10 Gauge Boxed Shaped One-Piece, Full Width Cross-Members Interlaced Through 8 Gauge Formed Long-Members Approximately 26” Centers

5. The Front Wall Structure Shall Provide Access To The Body Interior For Inspection And Sanitary Maintenance

6. Body Shall Be Equipped With Street Side Access Door On Side

7. Body and Attaching Parts Shall Be Sealed With Terostat Joint Sealer And Cavity Coat For Rust Prevention Protection

8. Body Shall Be Undercoated With A Thixotropic Material To Provide Protection To The Underside Of The Body

TAILGATE

1. The Operating Controls Shall Be Designed To Accomplish The Normal Packing Cycle In Two (2) Steps With One-Handed Operations. The Controls Also Shall Provide The Operator The Capability To Short Cycle The Compaction Cycle. Control Linkage Shall Require A Minimum Of Mechanical Adjustments

2. The Hopper Opening Width Shall Be 80” Minimum. The Hopper Opening Height Shall Be 68” Minimum

3. Tailgate Sides Shall Be Fabricated Of 10 Gauge Minimum High Tensile Abrasion Resistant Steel

4. The Hopper Floor Shall Be Fabricated of 3/16” minimum 184,000 PSI Yield Strength Abrasion Resistant Steel

5. The Tailgate Shall Be Mechanically Locked To The Body By Compression-Type Latches And Provide a Water-Tight Seal Above The Body Floor
6. A Self-Cleaning Bolt-On Step, Grab Bar And Buzzer To Signal Driver Shall Be Provided On Each Side Of The Hopper

7. The Tailgate Shall Be Equipped With A One-Piece Removeable Rubber Gasket. The Gasket Shall Extend Across The Entire Body Width Of The Tailgate To Provide A Water-Tight Seal Vertically Up The Side For No Less Than 21"

**PACKING BLADE**

1. Maximum Packing Pressure Must Be Achieved With Each Cycle During Compaction From The First To The Final Hopper Load To Assure Uniform Density Through The Load


3. Linear Movement Of The Packing Blade Shall Be Accomplished With Solid Cast Bronze Alloy Blade Shoes. Rollers Or UMHW Plastic Shall Not Be Used

4. All Packing Mechanism Cylinders Shall Be Within The Confines Of The Tailgate Shell To Protect Them From Trees And Limbs

5. Packing Blade Shall Be constructed Of 3/16” 150,000 PSI Yield Formed Steel

**DISCHARGE OF LOAD**

1. Discharge Shall Be By Positive Ejection Without The Assistance Of Clamps or Bars

2. The Ejector Plate Shall Be Fabricated From 11 Gauge Minimum High-Tensile Steel

3. The Ejector Cylinder Shall Be A Double-Acting, Telescopic Cylinder, Minimum 6 1/2” Bore, Controllable In Both Directions At All Times During Body Loading


**UNDERBODY CONTROLS**

1. Ejector And Tailgate Raise Controls Shall Be Mounted Outside Of The Body On The Front Left-Hand Side Of The Body. Direct Connection Of The Control Handles To The Valve Spool Shall Exist To Minimize Moving Parts And Allow For Ease Of Service

2. A Device To Automatically Raise Engine Speed To Proper RPM During The Packing Cycle

**HYDRAULIC SYSTEM**

1. To Minimize Hydraulic Cylinder Wear, A High Pressure Hydraulic System Shall Be Utilized. Operating Pressure Of The System Shall Be 2,750 PSI Minimum

2. The Operating Mechanism Shall Be Actuated By Power Supplied By A Heavy-Duty Hot Shift Air Shift PTO With Electric Over-Speed Protection And A Direct Mount Gear Type With A Rated Capacity Of 24GPM At 1000 RPM

3. All Hydraulic Hoses Shall Be SAE Standard With A Burst Ratio Of At Least 4:1

4. The Hydraulic System Shall Incorporate Adjustable Relief Valves To Protect All Components From Excessive Pressure And Overloads

5. All Roof Mounted Tubes Shall Be Securely Clamped To Prevent Vibration, Abrasion And Excessive Noise

6. All Hydraulic Hoses Shall Conform To S.A.E. Standards For Designated Pressures. Blends Shall Not Be Less Than Recommended By S.A.E. Standards. Flat Spots In Hoses Are Not Acceptable

7. The Hydraulic Oil Reservoir Shall Have A Minimum Gross Oil Capacity Of 45 Gallons

8. The Tank Shall Be Complete With A Screened Fill Pipe And Cap, Filter Breather And Clean Out Cover

9. The Hydraulic System Shall Be Protected By A Three (3) Micron Filter
HYDRAULIC CYLINDERS

1. Cylinders Shall Have Chrome Plated Piston Rods And Sleeves
2. All Pin Mounting Connections Shall Incorporate Hardened Steel Bushings With Grease Provisions
3. All Cylinders Shall Have The Following Minimum Cylinder Forces
   a. Sweep Cylinders – 87,450 Lbs. Per Pair
   b. Slide Cylinders – 70,100 Lbs. Per Pair
   c. Ejection Cylinder – 91,250 Lbs.

LIGHTS

1. Unit Shall Be Supplied With Lights and Reflectors In Accordance With FMVSS #108 And All DOT Regulations
2. Lights Shall Be LED
3. Body Shall Also Be Equipped With Duplicate Stop, Turn And Taillights Above And Below The Hopper And A Center-Mount Above The Hopper Brake Light
4. Body Shall Be Equipped With Front And Rear Strobe Lights With A Single In-Cab Switch
5. Hopper Shall Be Equipped With Two (2) Hopper Work Lights With A Single In-Cab Switch

MOUNTING, PAINTING & TRAINING

1. Body Shall Be Mounted According To Industry Accepted Standards. No Welding Shall Be Performed On The Chassis Frame In The Mounting Of The Body Or Its Components
2. The Complete Unit Shall Be Cleaned Of All Weld Slag, Spatter Or Roughness. No Sand, Shot Or Glass Air Blasting Shall Be Permitted To Eliminate Contamination And Possible Damage To Bearings Or Pin Surfaces. The Body Shall Be Cleaned With A Heated Pressure Wash To Clean All Metal Surfaces. A Phosphoric Acid Base Shall Be Applied To All Metal Surfaces
3. The Entire Body Shall Be Primed With DuPont Corlar And Finish Coated With DuPont Imron Elite To Match The Cab.
4. The Side Rub Rails And The Rear Tailgate Shall Be Outlined In Reflected Safety Conspicuity Tape
5. Bidder Shall Provide The City Of Glasgow With A Minimum Of Six (6) Hours Of Training And Assistance On The Maintenance And Operation Of The Delivered Equipment

CART TIPPERS

Body Shall Be Equipped With Two (2) Rear Perkins Rotary Tuck-Away Cart Lifter (Tipper) With Side Controls. These Tippers Shall Operate Independently Of Each Other

WARRANTY

Bidder Shall State Warranty. Minimum Warranty Is One (1) Year 100% Parts And Labor

REAR LOAD GARBAGE TRUCK MUST BE TURN-KEY READY

1. Manuals: Shop, Parts And Wiring Manual – One Copy To Be Provided To The City Of Glasgow Upon Delivery
2. Warranty: Vehicle And All Equipment Including Air Conditioning
3. Fully Warranted Against Defective Materials & Workmanship
SUPPORTING LITERATURE AND WARRANTY INFORMATION MUST BE PROVIDED WITH BID

CONDITIONS

Equipment Shall Comply With All EPA Emission Standards And All Motor Vehicle Safety Standards As Established By The U.S. Department Of Transportation Regarding The Manufacture Of Motor Vehicles

1. The Successful Bidder Shall Be Responsible For Delivering Vehicles That Are Properly Serviced And In First Call Operating Condition.
   Pre-Delivery Service Shall Include The Following:
   2. Complete Lubrication
   3. Fluid Levels Filled Properly
   4. Engine Adjustment To Assure Proper Operating
   5. Inflated Tires To Proper Pressure
   6. Check Operation On All Accessories, Gauges And Lights, Etc.
   7. Front End Alignment And Balance Wheels
   8. Clean Vehicle

DELIVERY

Bidder Shall Deliver Completed Body And Chassis To Glasgow Department of Public Works. 310 West Front Street, Glasgow, KY 42141. The City Of Glasgow – Department Of Public Works Reserves The Right To Reject Any And All Bids. Bids Must Be Good For 90 Days.

Delivery Date: _____________________________________________________________________

Bid should be submitted for: 1 (one) 2015 White Rear Load Garbage Truck. Sealed bids will be received and opened Monday, October 13, 2014 at 4:00 P.M. C. S. T. at Glasgow City Hall, Office of the Mayor, 126 East Public Square, Glasgow, Kentucky 42141. Completed bid form must be sealed in an envelope marked: 2015 White Rear Load Garbage Truck.