



October 23, 2015

ADDENDUM NO. 3 TO ALL BIDDERS:

Invitation to Bid: ITB # 15-11-08A

Description: Crane Carrier LET2 Crew Cab Low Entry 6x4 Refuse Truck Cab and Chassis or Approved Equivalent

Dated: September 24, 2015

For Delivery to: Purchasing Division, City of Roanoke, Virginia

Bid Due: October 26, 2015

**NOTICE TO BIDDERS:**

**ADDENDUM NO. 3 SHALL HEREBY SUPERSEDE ADDENDA 1 AND 2 TO ITB#15-11-08A.**

**ITB#15-11-08A IS FURTHER AMENDED AS FOLLOWS:**

1. **REFERENCE: ENTIRE DOCUMENT, CLARIFY AND REPLACE, SCRIVENER'S ERROR.** The City has previously specified a Crane Carrier LET2 Crew Cab Low Entry 6x4 Refuse Truck Cab and Chassis or Approved Equivalent, which was listed in error. All references to Crane Carrier LET2 Crew Cab Low Entry 6x4 Refuse Truck Cab and Chassis, in ITB#15-11-08A, are hereby changed to read "Crane Carrier LET2 Low Entry 6x4 Refuse Truck Cab and Chassis".
2. **REFERENCE: OPENING DATE AND TIME, REPLACE:** The open date and time are hereby changed to November 16, 2015, at 2:00 p.m.
3. **REFERENCE: ADDENDUM NO. 2 TO ALL BIDDERS, INVITATION TO BID: ITB# 15-11-08A, LIST OF APPROVED EQUIVALENTS, REVISED:** The City hereby retracts its previous approval of equivalent make and/or models and reopens the submittal of proposed equipment for pre-approval as described herein. **Previously approved equivalents shall no longer be accepted.** Bidders may submit, for pre-approval, any equivalent product which meets or exceeds the specifications set forth in Section 3.
4. **REFERENCE: PAGE 1, INVITATION TO BID, REVISED:** Bidders may submit, for pre-approval, any equivalent product which meets or exceeds the specifications set forth in Section 3. **The last day and time for acceptance of equivalent product specifications is November 2, 2015 at 2:00PM. An addendum listing approved equivalent equipment for which bids will be accepted, or specifying no equivalent will be accepted, will be posted on the City of Roanoke's Vendor Self Service System and the Purchasing Division's web page on November 6, 2015.** Proposed equivalent specifications should be sent to Scott Arbogast, Buyer, by email at [scott.arbogast@roanokeva.gov](mailto:scott.arbogast@roanokeva.gov).

5. **REFERENCE: SECTION 3. ITEMS REQUIRED, REPLACE:** SECTION 3. ITEMS REQUIRED of ITB# 15-11-08A is hereby replaced with the attached **SECTION 3. ITEMS REQUIRED (SECOND REVISION)**.

6. **CLARIFICATION: SECTION 3. ITEMS REQUIRED (SECOND REVISION):**

**Transmission:** The City has stated in its specifications that “Force neutral auto neutral system AG function should be provided.” AG is an Allison package reference for the Auto Neutral System function that indicates a specific capability of the transmission to have better control of the body arm.

**Engine Cooling System:** The City has stated in its specifications that “System should have a radiator drain/fill fitting with quick connection.” The City has specified a radiator which can be drained/filled through a fitting with a quick connection for efficiency. This can be accomplished through various methods. Bidder may specify the radiator and connection it deems appropriate in accordance with the City Specifications.

7. **REFERENCE: ATTACHMENT A TO ITB# 15-11-08A, BID FORM, REPLACE:** Attachment A to ITB# 15-11-08A, Bid Form is hereby replaced with the attached **Revised Bid Form**.

8. **REFERENCE: SECTION 7. GENERAL INSTRUCTIONS TO BIDDERS, V., REVISED:** General and/or technical questions regarding the Scope of Services and/or items required, or procurement questions under this ITB may be directed to Scott Arbogast, Buyer, (540) 853-1574, or faxed to (540) 853-1513 or by email at [scott.arbogast@roanokeva.gov](mailto:scott.arbogast@roanokeva.gov). **All questions must be submitted before 5:00 p.m., October 28, 2015. If necessary, an addendum will be issued and posted to the City Vendor Self Service website at <https://VSS.roanokeva.gov> and to the Current Bids/RFP Requests tab on City website at [www.roanokeva.gov/purchasing](http://www.roanokeva.gov/purchasing).**

**Note:** A signed acknowledgment of this addendum should be received at the location indicated on the ITB either prior to the due date and hour or attached to your response. Signature on this addendum does not substitute for your signature on the original bid document. The original bid document must be signed.

Very truly yours,

Scott Arbogast  
Buyer  
Phone: 540-853-2871

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Signature/Title

\_\_\_\_\_  
Date

SECTION 3. ITEMS REQUIRED (SECOND REVISION)

**CITY OF ROANOKE, VIRGINIA  
INVITATION TO BID NO. 15-11-08A**

**SECTION 3. ITEMS REQUIRED (SECOND REVISION):** A description and listing of the services and items that the Successful Bidder will be required to provide to the City under this ITB are those that are set forth below and referred to in any way in any terms and conditions and any attachments referred to in this ITB. Each Bidder should carefully read and review all such documents. Unless otherwise specified, manufacturer’s names, trade names, brand names, information and/or catalog numbers listed in a bid form or specification are intended only to impart the quality level desired, not to limit competition.

Bidder shall provide the dealer specifications for the equipment being bid and shall enter response on right clearly indicating where proposed product does NOT meet City Specifications. “Check Marks”, “Yes”, or “Comply” will NOT be accepted.

Two (2) Crane Carrier LET2 Low Entry 6x4 Refuse Truck Cabs and Chassis, or approved equivalent, with the following specifications:

**City Specifications:**

**Make:** Crane Carrier

**Model:** LET2 Low Entry 6x4

**Cab and Chassis**

GVWR should be at least 66,000 pounds.

Bidder should state wheelbase of chassis being bid to properly comply with the Labrie Automizer automated side loading refuse body described above.

Bidder shall state CT of Chassis being bid to properly comply with the Labrie Automizer automated side loading refuse body described above. Since the chassis/body matching can be different depending on year and manufacturer being bid, bidder shall ensure that the information being submitted is specified to the year and manufacturer of the engine,

Cab should be a cab forward, low entry type cab with no exterior steps. Door should be a single one piece door with standard size tires on both sides. Should be a right hand, sit down drive with a tilt/telescopic column.

Cab should have long entry assist handles mounted inside can at the “A” pillar post.

Cab should be a hydraulic tilt cab with automatic lock and latch and a 12 volt tilt assist pump.

**Dealer Specifications:**

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**Cab and Chassis**

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**City Specifications:**

**Diesel Engine**

Engine should be an in-line six (6) cylinder, turbo charged diesel Cummins ISL 9-380.

Bidder shall state the year of engine manufacture.

Engine should have full flow spin-on type engine mounted oil filter.

A spin-on type coolant filter FEPRO adapter should be included.

A heated fuel/water separator should be included.

A twist and lock type engine oil dipstick should be included and be marked, color coded, and accessible without tilting the cab.

A 5 year/300,000 mile minimum vocational warranty should be provided.

**Engine Electronics**

Engine RPM control should be included. Remote mounted provisions for wiring shall be provided for body manufacturer's installation of PTO controls with ignition switch controls for electronic engine included.

A variable speed engine throttle should be included.

A key operated engine shut-down should be provided.

An automatic engine protection component with a 30 second warning before shutdown for low engine oil pressure low coolant level, and high coolant temperature should be included.

Cold starting equipment with engine ECM control should be included.

**Engine Electronics**

Engine block heater with the plug accessible without tilting cab should be provided.

Engine and after-treatment should be provided.

A 5 year/300,000 mile minimum vocational warranty should be provided.

**Dealer Specifications:**

**Diesel Engine**

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**Engine Electronics**

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**Engine Electronics**

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**City Specifications:**

**Engine Cooling System**

Radiator should be a cross flow design with approximately 1,400 square inches.

System should have a radiator drain/fill fitting with quick connection.

Water/antifreeze should be a 50/50 mix to -34 degrees Fahrenheit freeze protection.

System should have a heavy duty welded type air cooler with rubber sealed aluminum core and cast aluminum tank construction.

Radiator hoses should be silicon with stainless steel constant torque hose clamps.

A de-aeration system with surge tank should be provided.

**Transmission**

Transmission should be an Allison 4500 RDS, with fourth generation control, 6 speed with overdrive on/off highway and oil level sensor PTO provided.

Dual push button style keypad dash mounted shift controls should be included.

Force neutral auto neutral system AG function should be provided.

Oil level sensor should be included.

A twist and lock type transmission oil dipstick should be provided and marked, color coded, and accessible without tilting cab.

Synthetic transmission fluid internal oil filters should be included.

Transmission/engine electronic interface should be provided.

Allison spare input/output for Rugged Duty Series (RDS) should be included.

An Oil pan magnet in transmission oil pan should be provided.

A 5 year/300,000 mile minimum vocational warranty should be provided.

**Dealer Specifications:**

**Engine Cooling System**

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**Transmission**

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**City Specifications:**

**Axles and Suspensions**

**Front:**

Should be 20,000 pound minimum capacity Meritor MFS-20

Should have a 20,000 pound minimum capacity parabolic taper leaf, front spring with shock absorbers.

Wheel bearing seals with sight glass and synthetic lubricant should be included.

**Rear:**

Should have a 46,000 pound minimum capacity rear axle, Meritor RT46-160P.

Gear ratio should be 6:14.

Hendrickson HMX460 46,000 pound suspension with shock absorber should be provided.

Synthetic lubricated rear axle should be included.

Double locking rear axles with audible alarm and light indicator should be provided.

5 year/300,000 mile suspension/axle warranty should be provided.

**Chassis Brake System**

Air brake system with four (4) channel ABS should be provided.

18.7 CFM air compressor with air supply line run from the air cleaner should be included.

Air tanks located inboard frame rails with centralized drain valves should be provided. Accessible central manifold for air tank drainage should be included.

Air pressure gauge with warning lights and audible alarm when pressure drops below 60 PSI should be provided.

16.5" x 7.0" S-cam front brakes with type 30 chamber on axle positions should be included.

16.5" x 8.62" rear brakes with heavy duty spring actuated type 30/30 parking brake chambers on axle positions should be included.

**Dealer Specifications:**

**Axles and Suspensions**

**Front:**

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**Rear:**

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**Chassis Brake System**

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**City Specifications:**

**Electrical System**

SAE Type II circuit breakers (manual reset) should be provided.

AM/FM CD stereo radio with speaker, weather band and clock should be included.

Two-way radio wiring with 20 Amp fuse protection including ignition wire with 5 Amp fuse, heat shrunk wire ends, and 10' of wire – coiled and taped to base harness should be included.

Federal Signal model #212660-02 LED, permanently mounted amber warning light installed on the roof of cab and activated by a dash mounted switch should be furnished (switch should be accessible from either driver position).

Wiring should be provided for body manufacturer located at rear of cab at left frame to include sealed connectors for tail, amber turn, marker, ABS, accessory power and ground.

**Frame and Reinforcements**

Frame rails should be heat treated alloy steel 120,000 PSI yield minimum, minimum dimensions 10"x3 1/2"x3/8" steel channel bumper. Two (2) front mounted tow hooks to be located below front bumper should be provided.

**Dual Steering Gear**

Dual steering should be provided.

Integral hydraulic valve power steering gear with 16" minimum wheel should be provided (both sit down, dual drive, tilt/telescopic column).

**Fuel Tank**

Tank should be aluminum with a 60 gallon minimum capacity with a quick connect outlet. One (1) drain plug at bottom of tank should be furnished.

Fuel/water separator and fuel filter with filter restriction/change indicator should be included in a single assembly mounted on engine.

Diesel exhaust fluid tank should be sized for stated diesel fuel capacity.

**Dealer Specifications:**

**Electrical System**

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**Frame and Reinforcements**

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**Dual Steering Gear**

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**Fuel Tank**

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**City Specifications:**

**Exhaust System**

System should have single stainless steel vertical catalytic muffler with after treatment device/muffler/tailpipe shield in back of cab.

**Tires and Wheels**

**Front:**

Two (2) 315/80 R 22.5 M&s, 20 ply tires M load range should be provided.

Wheels should be front disc 22.5"x9" painted steel 10 stud hub piloted, flanged nut; metric mount painted white.

Front wheel bearing should be EMGard with synthetic oil.

**Rear:**

Eight (8) – 11R 22.5, M&S 16 ply tires; H load range, tire speed rated for 65 MPH should be provided.

Wheels should be rear disc 22.5"x8.25" painted steel 10 stud hub piloted, flanged nut metric mount painted white.

Spare front tire and wheel should be provided and mounted.

Rear spare tire and wheel should be provided and mounted.

**Gauge Package**

Odometer display should include miles, trip miles, engine hours, trip hours, and fault code read-out.

Warning system should be provided and include low fuel, low oil pressure, high engine coolant temperature, and low battery voltage. Warnings should be visual and audible.

Low coolant level indicator with audible alarm should be provided.

Cluster gauges should include engine oil pressure (electronic), water temperature (electronic), fuel (electronic), tachometer (electronic), voltage and washer fluid level.

DEF Fluid level gauge/warning should be provided.

**Dealer Specifications:**

**Exhaust System**

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**Tires and Wheels**

**Front:**

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**Rear:**

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**Gauge Package**

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**City Specifications:**

**Cab Paint and Finish**

DuPont #9 L 3483EB gray with clear coat finish should be provided.

**Other Items**

Sear Sentry air ride seats with high back and integral headrest should be provided and isolated with two (2) front cushion adjustments; -3 to +14 degree seat back adjustment; air lumbar support, (both sides).

All seatbelts should be red or orange.

Tinted window glass should be provided at all windows.

Heated and power west coast mirrors with two (2) convex mirrors (upper and lower) should be installed on each side.

Air Conditioning, integral, heating/defrost system with three speed blower and re-circulating outlets directed to floor on both sides of cab should be provided. These should not be roof mounted.

Cab rear suspension should be provided.

Clearance/marker lights should be included with amber LED lights flush mounted on cab or sunshade.

One (1) ten pound fire extinguisher and triangle warning kit should be provided.

Detailed cab/chassis specification sheet(s) should be included with bid package.

**Software**

Current manufacturer DVD software for diagnostic and troubleshooting for engine, transmission, ABS, compatible with the City of Roanoke’s existing computer should be provided.

**Manuals**

Two (2) parts manuals and two (2) service and overhaul manuals should be shipped with primary manuals for chassis. Digital or electronic manuals are acceptable.

**Dealer Specifications:**

**Cab Paint and Finish**

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**Other Items**

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**Software**

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**Manuals**

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**City Specifications:**

**Warranty**

A 24 Month bumper to bumper extended warranty shall be included that begins when units are placed into service by the City of Roanoke. Warranty shall include all parts, labor, and freight FOB at dealer location. Any Specific provisions that are part of the manufacturer’s standard warranty which exceed the above requirement shall be included in the warranty on the units.

**Training**

Successful Bidder should provide two (2) hours of training for operation personnel at no additional cost to the City.

Successful Bidder should provide four (4) hours of training for vehicle maintenance technicians at no additional cost to the City.

All training should be conducted at a site specified by the City of Roanoke and may require training for staff on multiple shifts.

**Dealer Specifications:**

**Warranty**

**Training**

**Successful Bidder shall provide engineering drawing to ensure proper chassis/body combination with Labrie Automizer 31 Cubic Yard Automated Right Side Refuse Compactor Body.**

**Successful Bidder shall be responsible for ensuring the proper matching and operation of Labrie Automizer 31 Cubic Yard Right Hand Refuse Bodies with Cab and Chassis.**

**Successful Bidder shall deliver the cab and chassis to the Labrie manufacturing facility for body installation.**

**Labrie Enviroquip Group  
175 B, Route du Pont  
Saint-Nicolas (Quebec)  
G7A 2T3 Canada.  
800-463-6638**

**Unit to meet ALL Federal, Virginia & OSHA Requirements.**

**COMPLETED UNIT SHALL BE DELIVERED FROM LABRIE BACK TO SUCCESSFUL BIDDER AND SUCCESSFUL BIDDER SHALL DELIVER COMPLETED UNITS TO THE CITY OF ROANOKE WITH A VALID VIRGINIA STATE INSPECTION.**

**City of Roanoke  
Fleet Management  
1802 Courtland Avenue, NE  
Roanoke, Virginia 24012**

**REVISED BID FORM**

Item	Unit Price	Estimated Quantity	Unit of Measure	Extended Bid Price
Crane Carrier LET2 Low Entry 6x4 Refuse Truck Cabs and Chassis (Or Approved Equivalent)	\$ _____	2	EA	\$ _____

Equipment Make: \_\_\_\_\_ Equipment Model: \_\_\_\_\_

City Approved Equivalent?:      Yes \_\_\_      No \_\_\_

Delivery to Labrie Manufacturing Facility: \_\_\_\_\_

Delivery of completed units to the City: \_\_\_\_\_

**EXTENDED BID PRICE SHALL INCLUDE ALL LABOR, MATERIAL, DELIVERY COSTS, SHIPPING AND HANDLING CHARGES, OVERHEAD, PROFIT, AND TRAINING AND INSTRUCTIONAL CHARGES.**

Bids will only be accepted for the brand specified or approved equivalent brands as specified by addendum.

The City reserves the right to add, delete, or adjust quantities as deemed necessary by the City.

Bids containing any conditions, omissions, unexplained erasures, alterations or items not called for in the bid, or irregularities of any kind, may be rejected by the City as being nonresponsive. No changes are to be made to the Bid Form. Any changes to a Bid Amount must be initialed by the person signing the Bid Form.

The attention of each Bidder is directed to VA Code sections 54.1-1100, et seq. which requires certain licenses for contractors, tradesmen, and others. Each Bidder is required to determine which license, if any, it is required to have under such sections. Complete the following:

Bidder \_\_\_ does have \_\_\_ does not have a Virginia Contractor's License. (Check appropriate block)

If Bidder has a Virginia Contractor's License, circle the class Bidder has and list the number.

Licensed "Class A", "Class B", or "Class C" Virginia Contractor Number \_\_\_\_\_

If Bidder has another type of Virginia License, please list the type and number:

Type of license \_\_\_\_\_ and number: \_\_\_\_\_.

Bidder is a \_\_\_ resident or \_\_\_ nonresident of Virginia. (Check appropriate blank. See VA Code Sections 54.1-1100, et seq.)

The attention of each Bidder is directed to Virginia Code Section 2.2-4311.2 (effective July 1, 2010) which requires a bidder organized or authorized to transact business in the Commonwealth of Virginia pursuant to Title 13.1 or Title 50 of the Code of Virginia, as amended, or as otherwise required by law, shall include in its bid the Identification Number issued to such bidder by the Virginia State Corporation Commission (SCC). Furthermore, any bidder that is not required to be authorized to transact business in the Commonwealth of Virginia as a domestic or foreign business entity under Title 13.1 or Title 50 or as otherwise required by law shall include in its bid a statement describing why the bidder is not required to be so authorized. Please complete the following by checking the appropriate line that applies and providing the requested information:

**Signature page required with submittal of bid**

- A. \_\_\_\_\_ Bidder is a Virginia business entity organized and authorized to transact business in Virginia by the SCC and such bidder's/offeror's Identification Number issued to it by the SCC is \_\_\_\_\_.
- B. \_\_\_\_\_ Bidder is an out-of-state (foreign) business entity that is authorized to transact business in Virginia by the SCC and such bidder's Identification Number issued to it by the SCC is \_\_\_\_\_.
- C. \_\_\_\_\_ Bidder does not have an Identification Number issued to it by the SCC and such bidder is not required to be authorized to transact business in Virginia by the SCC for the following reason(s):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please attach additional sheets of paper if you need more space to explain why such bidder is not required to be authorized to transact business in Virginia.

The undersigned hereby agrees, if this Bid is accepted by the City, to provide the services and/or items in accordance with this Invitation for Bid and to execute a Contract for such services and/or items.

\_\_\_\_\_  
Legal Name of Bidder

\_\_\_\_\_  
Date

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

\_\_\_\_\_  
Print or Type Name and Title

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