



CITY OF DUBLIN
INVITATION TO BID
BID #14-12-001

Issue Date: December 4, 2014

OPENING DATE AND TIME: **January 7, 2015 at 2:00 P.M.**

The City of Dublin will receive sealed bids for furnishing supplies or services at:

CITY OF DUBLIN PURCHASING OFFICE
**215 TRUXTON ST.
DUBLIN, GA 31021**

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: Sanitation Dept.

<u>ITEM</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY.</u>	<u>UNIT COST</u>
1.	2015-2016 65,000 GVWR Cab & Chassis per attached specs	1 ea.	\$ _____
2.	40 Cubic Yard Front Loading Refuse Body per attached specs.	1 ea.	\$ _____
OPTION: Cab & Chassis equipped with Compressed Natural Gas (CNG) engine		1 ea.	\$ _____

f.o.b. Dublin

**Delivery Time: _____

**Warranty information for vehicles and equipment must be provided with bid.

**Manuals must be provided upon delivery of vehicle.

In compliance with the above, the undersigned offers and agrees, if this bid is accepted within sixty (60) 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 Georgia sales and use tax. Title shall pass to the City only 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. Terms are N30. Bids will not be accepted via facsimile. _____ (Please initial)

NAME & ADDRESS OF BIDDER	SIGNATURE OF BIDDER
_____	_____
_____	_____
_____	DATE
PHONE NUMBER & FAX NUMBER	SIGNER'S NAME & TITLE (Type or Print)
_____	_____

E-Mail: _____	

For information regarding this bid, contact Kris Harden, CPPB, Purchasing Dir. ,
at 478-277-5047.

INSTRUCTIONS FOR BIDDERS

- I. Bids must be received by the designated date and time.
Late bids will not be accepted.
 - II. Bids must be delivered to:

City of Dublin - Purchasing Department
P. O. Box 690
215 Truxton St.
Dublin, GA 31040
ATTN: Kris Harden
 - III. Bids must be sealed with the bid number clearly printed on the outside of the envelope.
 - IV. Bids must be complete and include:
 - A. Completed Bid Proposal Form
 - B. Executed Affidavit of Non-Collusion
 - C. Executed Bidder's Declaration
- All bids submitted shall be subject to acceptance or rejection and the City of Dublin specifically reserves the right to accept or reject any or all bids, to waive any technicalities and formalities in the bidding.
 - Failure of the bidder to sign the bid or have the signature of any authorized representative or agent on the bid/proposal **IN THE SPACE PROVIDED** may be cause for rejection of the bid. Signature must be written in ink. Typewritten or printed signatures are not acceptable.
 - All bids should be tabulated, totaled and checked for accuracy. The unit price will prevail in case of errors.
 - If only one bid is received, the bid will be forwarded to the Mayor and Council for a determination to accept and award the bid or to reject and re-bid.
 - Bids requiring bid bonds will not be read or considered if bond is not enclosed. Bond may be in the form of cash, certified check, cashier's check or Surety Bond issued by a Surety Company licensed to conduct business in Georgia.
 - Bids must meet or exceed the specifications in order to be considered by the City of Dublin. Any reference to brand name is to be considered generic. The City of Dublin reserves the right to award a bid to more than one bidder when two or more items appear on the bid schedule. Awards will be based on the lowest and best bid with local vendors within the City of Dublin

receiving a 3% preference. Payment terms are N30 unless otherwise stated in the bid.

- Bidders shall submit all required forms and information simultaneously with sealed bids, which forms and information become a part of the property of the City of Dublin and will not be returned to bidders unless a written request to withdraw is received prior to the designated date and time of the bid opening.
- It shall be the responsibility of **all** bidders to indicate the brand name and model or series number of the product offered and to furnish with their bid such specifications, catalog pages, brochures, or other data that will provide an adequate basis for determining the quality and functional capabilities of the product offered. **Failure to provide the requested data or product demonstrations and/or sample may be considered valid justification for rejection of bid.**
- All bidders must be recognized and authorized dealers in the materials or equipment specified and be qualified to advise in their application or use. A bidder at any time requested must satisfy the Purchasing Office and City Council that he has the requisite organization, capital, plant, stock, ability and experience to satisfactorily execute the contract in accordance with the provisions of the contract in which he is interested.
- When requested, SAMPLES will be furnished free of expense, properly marked for identification and accompanied by a list where there is more than one sample. The City reserves the right to mutilate or destroy any samples submitted whenever it may be in the best interest of the City to do so for the purpose of testing.
- The unauthorized use of patented articles is done entirely at risk of successful bidder.
- The ESTIMATED QUANTITY given in the specifications or advertisement is for the purpose of bidding only. The City may purchase more or less than the estimated quantity, and the vendor must not assume that such estimated quantity is part of the contract.
- Only the latest model equipment as evidenced by the manufacturer's current published literature, will be considered. Obsolete models of equipment not in production will not be acceptable. Equipment shall be composed of new parts and materials. Any unit containing used parts or having seen any service other than the necessary tests will be rejected. In addition to the equipment specifically called for in the specifications, all equipment catalogued by the manufacturer as standard or required by the State of Georgia shall be furnished with the equipment. Where required by the State of Georgia Motor Vehicle Code, vehicles shall be inspected and bear the latest inspection sticker of the Georgia Department of Revenue.

- A contract will not be awarded to any corporation, firm or individual who is, from any cause, in arrears to the City or who has failed in any former contract with the City to perform work satisfactorily, either as to the character of the work, the fulfillment of the guarantee, or the time consumed in completing the work.
- Contracts may be cancelled by the City with or without cause with 30-day written notice.

NON-COLLUSION AFFIDAVIT

The following affidavit is to accompany the bid:

STATE OF _____

COUNTY OF _____

Owner, Partner or Officer of Firm

Company Name, Address, City and State

being of lawful age, being first duly sworn, on oath says that he/she is the agent authorized by the bidder to submit the attached bid. Affiant further states as bidder, that they have not been a party to any collusion among bidders in restraint of competition by agreement to bid at a fixed price or to refrain from bidding. Affiant also states as bidder, that they have not been a party to any collusion with any officer of the City of Dublin or any of their employees as to quantity, quality or price in the prospective contract; and that discussions have not taken place between bidders and any office of the City of Dublin or any of their employees concerning exchange of money or other things of value for special consideration in submitting a sealed bid for:

Firm Name

Signature

Title

Subscribed and sworn to before me this _____ day of
_____, 20____.

Notary Public

BIDDER'S DECLARATION

The bidder understands, agrees and warrants:

- That the bidder has carefully read and fully understands the full scope of the specifications.
- That the bidder has the capability to successfully undertake and complete the responsibilities and obligations in said specifications.
- That this bid may be withdrawn by requesting such withdrawal in writing at any time prior to the scheduled bid opening, but may not be withdrawn after such date and time.
- That the City of Dublin reserves the right to reject any or all bids and to accept that bid which will, in its opinion, best serve the public interest. The City of Dublin reserves the right to award the bid to separate bidders when more than one item appears on the schedule. The City of Dublin reserves the right to waive any technicalities and formalities in the bidding.
- That the bidder understands that these specifications are the minimum requirements and must be met or exceeded in order to be considered by the City of Dublin. The bidder acknowledges that the item bid is suitable for the intended application.
- That by submission of this bid the bidder acknowledges that the City of Dublin has the right to make any inquiry or investigation it deems appropriate to substantiate or supplement information supplied by the bidder.

If a partnership, a general partner must sign.

If a corporation, the authorized corporate officer(s) must sign and the corporate seal must be affixed to this bid.

BIDDER:

Name

Title

Name

Title

AFFIX CORPORATE SEAL (if applicable)

TERMS AND CONDITIONS -- INVITATION TO BID

1. CHANGES: No change will be made to this invitation except by written modification by the City Purchasing Office. Requests for changes must be in writing and received at least five (5) calendar days prior to the time set for opening of the bids.

2. FOB POINT: Bid price to include shipping, packing, crating, and unloading at the address in the BID SCHEDULE. Title to remain with vendor until fully accepted by the City. Goods damaged or not meeting specifications will be rejected and removed at vendor's expense. Concealed damaged goods to remain the property of vendor until replaced or removed at City's direction. All bid responses received will be F.O.B. Dublin. Due to volume of order, delivery shipment schedule will be coordinated between the successful bidder and the City of Dublin.

3. RISK OF LOSS: Vendor agrees to bear all risk of loss, injury, and destruction of goods and materials ordered herein which occur prior to delivery to include concealed damage; and such loss, injury, or destruction shall not release vendor from any obligation.

4. BID IDENTIFICATION: All bids submitted as a result of this invitation must be returned in a sealed envelope with the bid number on the envelope.

5. WITHDRAWAL OF BIDS: Bids may be withdrawn by written request only, if the request is received prior to the time and date set for the opening of bids. Negligence on the part of the bidder in preparing his bid confers no right of withdrawal or modification of his bid after bid has been opened.

6. BID BONDS: A. Bid Bond: not required
 B. Payment and Performance Bonds: not required

7. SITE INSPECTIONS: When applicable, bidders should inspect the site to ascertain the nature and location of work and the general conditions which could affect the cost of the work. The City will assume no responsibility for representations or understandings made by its officers or employees unless included in this Invitation for Bid. While site inspections are not a mandatory requirement to submit a proposal, vendors are urged to schedule inspections to ascertain all the requirements of this invitation.

8. AWARD OF CONTRACT: Awards will be made to that responsible bidder whose bid, conforming to the Invitation for Bid, will be most advantageous to the City. Prices will not necessarily be controlling, but quality, equality, efficiency, delivery, suitability of item(s) offered, maintainability, and reputation of item(s) in general use will also be considered with any other relevant factors. The City reserves the right to reject any and/or all bids submitted and to waive any technicalities or minor irregularities in bids received. A written award, mailed (or

otherwise furnished) shall be deemed to result in a binding contract without further action by either party. Contract(s), if awarded, will be on a lump sum basis or individual item basis, whichever is found to be in the best interest of the City of Dublin.

8.1: In accepting this contract, the vendor attests that he is in compliance with the Nondiscrimination Clause contained in Section 202 of Executive Order 11246, as amended, relative to equal employment opportunity for all person without regard to race, color, religion, sex, or national origin, and the implementing rules and prescribed by the Secretary of Labor, which is incorporated herein by reference.

9. EXCEPTIONS TO SPECIFICATIONS: Any award resulting from this invitation shall bind the bidder to all Terms, Conditions, and Specifications set forth in this invitation. Bidders whose bids do not conform should so note on a separate page if necessary and/or on the **Bid Schedule**. While the City reserves the right to make an award to a nonconforming bidder when in the best interest of the City, such awards will not be readily made, and bidders are urged to conform to the greatest extent possible. No exceptions will be considered to have been taken by bidder unless it is properly set out as provided above. No exception will be deemed to have been taken by the City unless incorporated in an award resulting from this invitation and so stated.

10. BID RESULTS: Interested parties may request, in writing, a **Bid Tabulation** by sending a self-addressed, stamped envelope with their request to City of Dublin Purchasing Department, P. O. Box 690, Dublin, GA 31040. Tabulations may also be requested by e-mail to hardenk@dlcga.com.

11. PAYMENT: Payments will be made upon all items completed each month or completion of all work and acceptance by City on invoices submitted and approved by the proper city representative within thirty (30) days of receipt of invoice unless discounts apply (see item #13). Invoices are to be submitted to: City of Dublin, P. O. Box 690, Dublin, GA 31040.

11.1 Itemize all invoices in full. Mail the original invoice to the address above. A shipping or receiving ticket will be signed and a copy left with each delivery. Purchase order numbers must appear on all delivery tickets and invoices.

11.2 Vendor must furnish delivery receipt identifying that this order has been delivered in accordance with the specifications, quantities, and price as set forth on the purchase order. A City of Dublin employee's signature must appear on the delivery receipt or invoice.

11.3 Items on this order are exempt from Federal Excise Tax and Georgia Sales and Use Tax. A certificate will be furnished if requested. The CITY OF DUBLIN is exempt from taxes but the successful bidder shall pay all taxes required of him by law and the CITY OF DUBLIN cannot exempt others from tax.

11.4 Payment terms and provisions herein or otherwise found within the contract documents supersede all provisions of the Georgia Prompt Pay Act (House Bill 837; 13 O.C.G.A. chapter 11 **ET. SEQ.**).

12. INQUIRIES REGARDING PAYMENT: All inquiries regarding payment of invoices are to be directed to Account Payable at (478) 277-5018 or to City of Dublin, ATTN: Accounts Payable, P. O. Box 690, Dublin, GA 31040.

13. DISCOUNTS: Prompt payment discounts offered for a period of less than fifteen (15) days will not be considered in determining the low bidder on this invitation. However, such discounts, when offered, will be taken provided payment is made within the time specified. Time, in connection with discounts for prompt payments, will be computed from the date of acceptance of work for which payment is claimed, or the date the correct invoice is received by the City, whichever is later.

14. EXECUTION OF CONTRACT: Subsequent to the award, the successful bidder will be presented with a contract which may be in the form of a purchase order. Contract is to be executed with ten (10) calendar days of from award notice. If the contract document is mailed, the date of presentation shall be the postmark date.

15. INSURANCE: Successful bidder must be insured and will be required to furnish a Certificate of Liability insurance to protect the City throughout the life of the contract against “**ALL RISKS**”. Coverage to include but not limited to General Liability: Comprehensive Form, Premises/Operations, Products/Completed Operations, Broad Form Property Damage, Personal Injury, and Automobile/Vehicle Liability. Worker’s Compensation and Employer’s Liability are to be statutory amounts.

16. INCLUSION: All items and/or services which are standard, expected, necessary, and/or routine to such a project as this and not actually stated in this invitation will be the responsibility of the successful bidder to provide at no other cost to the City unless so stated on the successful bidder’s proposal as additional cost items and accepted by the City at the time of the award and/or contract.

17. REGULATORY AGENCIES: Successful bidder will be responsible for all required permits or licenses required by regulatory agency of the City, County, State, or Federal Governments. Further, successful bidder will be responsible for meeting all requirements of any regulation(s) or guideline(s) of any of the said governments or any independent agency recognized by said Government as publisher of any such regulation(s) or guideline(s).

18. INDEPENDENT CONTRACTORS: The bidder represents to the CITY OF DUBLIN that he is fully experienced and properly qualified to perform the functions provided herein and that he is properly equipped, organized, and financed to perform such functions. The bidder shall finance his own operations hereunder, shall operate as an independent contractor and not as an agent of the CITY OF DUBLIN and nothing contained in this invitation or a contract resulting from same shall be construed to constitute the bidder or any of his employees, agents, or subcontractors as a partner, employee, or agent of the City nor shall

either party have any authority to bind the other in any respect; it being intended that each shall remain an independent contractor.

19. ASSIGNMENT OF CONTRACTUAL RIGHTS: It is agreed that the successful bidder will not assign, transfer, convey, or otherwise dispose of a contract that results from this invitation or his right, title, or interest in or to the same, or any part thereof, without written consent of the City.

20. STARTING TIME: work will commence within the stated calendar days and commence in a routine, orderly manner until completion and acceptance by the City.

21. INDEMNITY: Successful bidder agrees, if entering into a contract as a result of this invitation, to defend, indemnify, and hold harmless the CITY OF DUBLIN from any and all courses of action or claims of damages arising out of or related to bidder's performance or actions or those of his employees or agents, under said contract.

22. TERMINATION: pursuant to O.C.G.A. 36-60-13, if applicable, any contract resulting from this invitation, if not sooner terminated pursuant to the provisions of terminations contained herein, is terminable by the CITY OF DUBLIN Council on December 31 of each calendar year during the term of said contract, except that said contract shall be renewed automatically on such date, and without any lapse, unless positive action is taken to terminate said contract by the Council in a public meeting and such action entered in the Official Minutes of the CITY OF DUBLIN Council.

23. APPROPRIATION OF FUNDS: Initial contract and any continuation contract(s) will terminate immediately and absolutely at any such time as there are no appropriated unobligated funds available to satisfy the City's obligations under said contract(s).

24. CANCELLATION FOR CAUSE: Should either party fail to comply with the Terms and Conditions of this contract, the aggrieved party must give, in writing, to the other party any complaint for non compliance to the Terms and Conditions of this contract. The other party shall have fifteen (15) calendar days to correct the matter. If corrected to the satisfaction of both parties within the fifteen (15) calendar days and stated in writing, then the contract will continue uninterrupted. Failure to correct the matter will result in termination of this contract at the end of the thirty (30) calendar days following the date of the initial letter of complaint.

25. LIQUIDATED DAMAGES: Any liquidated damages will be listed in the Special Terms and Conditions.

26. COMMODITY STATUS: It is understood and agreed that materials delivered shall be new, of latest design, and in first quality condition, that all bags, container, etc. shall be new and suitable for storage; unless otherwise stated.



City of Dublin, Georgia CONTRACTOR AFFIDAVIT AND AGREEMENT

By executing this affidavit, the undersigned contractor verifies its compliance with O.C.G.A. 13-10-91, stating affirmatively that the individual, firm, or corporation which is contracting with the City of Dublin has registered with and is participating in a Federal Work Authorization Program* [any of the electronic verification of work authorization programs operated by the United States Department of Homeland Security to verify information of newly hired employees, pursuant to the Immigration Reform and Control Act of 1986 (IRCA) P.L. 99-603], in accordance with the applicability provisions and deadlines established in O.C.G.A. 13-10-91.

The undersigned further agrees that, should it employ or contract with any subcontractor(s) in connection with the physical performance of services pursuant to this contract the City of Dublin, contractor will secure from such contractor(s) similar verification of compliance with O.C.G.A. 13-10-91 on the Subcontractor Affidavit provided in Rule 300-10-01-.08 or a substantially similar form. Contractor further agrees to maintain records of such compliance and provide a copy of each such verification to the City of Dublin at the time the subcontractor(s) is retained to provide the service.

EEV/ Basic Pilot Program* User Identification Number

BY: Authorized Officer or Agent

Date

Title of Authorized Office or Agent

SUBSCRIBED AND SWORN BEFORE ME ON THIS ____ DAY OF ____ 20 ____

Notary Public

My Commission Expires: _____

*As of the effective date of O.C.G.A. 13-10-91, the applicable federal work authorization program is the "EEV/Basic Rule Pilot Program" operated by the U.S. Citizenship and Immigration Services Bureau of the U.S. Department of Homeland Security, in
Conjunction with the Social Security Administration (SSA)



City of Dublin, Georgia
SUBCONTRACTOR AFFIDAVIT AND AGREEMENT

By executing this affidavit, the undersigned subcontractor verifies its compliance with O.C.G.A. 13-10-91, stating affirmatively that the individual, firm, or corporation which is contracting with the City of Dublin has registered with and is participating in a federal work authorization program* [any of the electronic verification of work authorization programs operated by the United States Department of Homeland Security to verify information of newly hired employees, pursuant to the Immigration Reform and Control Act of 1986 (IRCA) P.L. 99-603), in accordance with the applicability provisions and deadlines established in O.C.G.A. 13-10-91

EEV/ Basic Pilot Program* User Identification Number

BY: Authorized Officer or Agent
(Subcontractor Name)

Date _____

Title of Authorized Office or Agent of Subcontractor

SUBSCRIBED AND SWORN BEFORE ME ON THIS THE _____ DAY
OF _____ 20____

Notary Public

My Commission Expires: _____

*As of the effective date of O.C.G.A. 13-10-91, the applicable federal work authorization program is the "EEV/Basic Rule Pilot Program" operated by the U.S. Citizenship and Immigration Services Bureau of the U.S. Department of Homeland Security, in Conjunction with the Social Security Administration (SSA)

CITY OF DUBLIN
P. O. BOX 690
DUBLIN, GA 31040

NO BID RESPONSE

IF FOR SOME REASON YOU ARE NOT BIDDING ON THIS PROPOSAL,
PLEASE COMPLETE THE FOLLOWING AND RETURN TO THE ADDRESS
BELOW BEFORE THE BID DEADLINE STATED ON THE ORIGINAL
SCHEDULE.

REASON(S) FOR NO BID:

_____ CANNOT SUPPLY AT THIS TIME
_____ ENGAGED IN OTHER WORK
_____ QUANTITY TOO SMALL
_____ JOB TOO LARGE
_____ CANNOT MEET REQUIRED DELIVERY
_____ OPENING DATE DOES NOT ALLOW
_____ SUFFICIENT TIME TO PREPARE BID
_____ EQUIVALENT NOT PRESENTLY
_____ AVAILABLE

OTHER REASON OR REMARKS:

COMPANY OR FIRM NAME

SIGNATURE

TITLE

DATE

RETURN TO: CITY OF DUBLIN
PURCHASING DEPT.
PO BOX 690
DUBLIN, GA 31040

CITY OF DUBLIN
SPECIFICATIONS FOR 2015-2016 CAB AND CHASSIS
BID #14-12-001
ITEM #1

The City of Dublin is accepting bids for the purchase for a 2015-2016 cab & chassis suitable for the mounting of a 40 cubic yard front-loader refuse body. The truck shall be new and have all standard equipment, whether or not it appears in these specifications, and any items requested as options. No demo units will be accepted. All bids must include the manufacturer's latest descriptive literature which gives a full description of the vehicle being bid. This truck will be drop-shipped to the body manufacturer for the installation of the front-loader body. The following items are to be considered minimums and must be met or exceeded. Non-compliance to the specifications should be explained in detail.

YEAR: _____ MAKE: _____ MODEL: _____

COMPLY/SPECIFY

- | | |
|---|-------|
| 1. 65,000 G.V.W.R. minimum factory certified | _____ |
| 2. Transmission to be Allison 4500RD 6-speed with heat exchanger, remote-mounted oil filter and transmission oil temperature gauge | _____ |
| 3. Engine to be in-line six cylinder turbocharged diesel; 320 HP @2100 rpm; no fuel heater or glow plugs | _____ |
| 4. 12 volt electrical system, 130 amp alternator, minimum 2000 CCA batteries. Battery disconnect switch; Cole Hersee battery jumper terminals. | _____ |
| 5. Minimum 1000 sq. inch radiator with removable bug screen | _____ |
| 6. Frame to be steel, 3/8" full length inner channel liner; R.B.M. 3,000,000 inch pounds per rail minimum. Huckbolted frame components. Front P.T.O. provisions, including access to front of engine crankshaft, extended front swept back bumper with notched top flange, and adapter plate on front of engine crankshaft. | _____ |
| 7. Wheelbase to comply with body length | _____ |
| 8. Front axle to be 20,000 lb. minimum oil lubricated bearings with minimum 23,000# front springs with shocks. 16-1/2 x 6 inch front brakes. Eaton oil seals. Eaton "ES" extended refuse service brakes. ABS brake system. | _____ |
| 9. Steering to be dual integral gear power, 20,000 lb. capacity minimum - no Shepard gear box. | _____ |
| 10. Rear axle to be minimum 45,000 lb. with driver controlled air- | |

City of Dublin Front Loader Refuse Truck

BIDDER: _____

operated power divider lockout, and pressure lube system in power divider; Hendrickson 46,000# Haulmax rear suspension. _____

11. Brakes to be full air with 18.7 cu. ft. compressor and reserve air tank. Automatic brake adjustment. Parking brakes on both rear axles. Heated air dryer. _____

12. Fuel tank(s) to be 100 gal. capacity minimum. Aluminum air cooler. _____

13. Cab to be hydraulic-tilting type, aluminum and/or fiberglass or five-year warranty against rust, if steel; front skid plate. _____

14. Air conditioning, factory installed _____

15. Air drivers seat, non-air passenger seat. Shoulder harness for driver and passenger. _____

16. Wheels to be steel disc front and rear _____

17. Rims to be 8.25 x 22.5 rear, 12.25 x 22.5 front _____

18. Tires to be 425/65R22.5 - 20 ply on front; 11R22.5 - 14 ply on rear with traction tread. _____

19. Vertical exhaust system _____

20. Two (2) front tow hooks & two (2) rear tow hooks _____

21. Dual air windshield wipers w/washers _____

22. Dual air horns or single large air horn _____

23. Front bumper to be 3/8" steel minimum _____

24. Lights: front/rear turn signals, automatic backup lights, LED cab marker lights and ICC lights. Light guards on cab marker lights. _____

25. High water temperature buzzer and light with automatic shutdown. Low coolant level sensor _____

26. Low air pressure buzzer and light. _____

27. Low oil pressure buzzer and light with automatic shutdown. _____

28. Cab undercoating _____

29. Paint: Cab to be Forest Green, Imron or equivalent, chassis to be black _____

30. Front cab guard ladder, factory installed _____

City of Dublin Front Loader Refuse Truck

BIDDER: _____

- 31. One set of maintenance and service manuals and assembly line sheet for Shop; one operator's manual for Sanitation Dept. _____
- 32. RPM gauge and hour meter to be included with full set of gauges. _____
- 33. 16" Donaldson air cleaner. _____
- 34. Silicone radiator and heater hoses with constant torque clamps. _____
- 35. Aluminum battery box to prevent rust. _____
- 36. Rubber fender lips and wheel well fenders to cover width of front tires. _____
- 37. 5# fire extinguisher and triangle reflector kit in cab. _____
- 38. Tinted glass – all windows. _____
- 39. Dual 7 x 16 mirrors with stainless steel brackets; heated mirror heads. Dual 8-7/8" heated convex mirrors. _____
- 40. AM/FM weatherband radio, factory installed. _____
- 41. Auxiliary radio terminals and antenna leads. _____
- 42. 5-Year cab warranty. _____

DELIVERY TIME TO BODY COMPANY: _____

Nearest Parts and Service Center: _____

**CITY OF DUBLIN
SPECIFICATIONS FOR REFUSE PACKER BODY
AND FRONT-LIFTING DEVICE
BID #14-12-001
ITEM #2**

SCOPE: It is the intent of this specification to describe a hydraulically actuated packer body of the front loading type with the following minimum specifications considered necessary to perform the work assigned. The body shall be capable of compacting and transporting refuse to a landfill or transfer station and dispensing the load by means of hydraulic ejection. Must be capable of unloading 4, 6, and 8 cubic yard containers. The body shall not be required to be tilted, lifted, or otherwise displaced from the chassis in order to eject the load.

GENERAL: All equipment furnished under this contract shall be new and unused, and the same as the manufacturers current production model. Accessories not specifically mentioned, but necessary to furnish a complete unit ready for use shall also be included. The equipment furnished shall conform to all ANSI Safety Standards A245.1-1984. Please provide supporting literature with the bid.

**BID SPECIFICATIONS
Bidder Shall Complete The Following**

COMPLY/SPECIFY

A. CAPACITY

1. The body shall have a minimum capacity of 40 cubic yards _____

B. BODY DIMENSIONS

1. Maximum overall width not to exceed 96" _____

2. Maximum overall length and height (*with tailgate in locked position*) above the chassis frame not to exceed:

Capacity	Length	Height	CT
40 Cu./Yd.	406"	114"	160 - 180"

C. BODY CONSTRUCTION

1. The body sides to be constructed of 3/16" AR235 steel, 115,000 PSI formed to a radius for added strength. Side panels should be one sheet. Multiple panels are not acceptable. _____
2. The body roof to be constructed of 3/16" Hi-tensile sheet steel. _____
3. A single structural tube to reinforce the roof at the center line, connecting the front and rear bracing. _____

COMPLY/SPECIFY

4. A structural tube to reinforce the body at the front and rear. The tube shall be formed to the radius of the body.

5. The body floor to be flat and made of 1/4" AR400, 200,000 PSI.

6. The floor longitudinals to be 3" x 6" x 1/4" structural tube.

7. The floor cross members to be 4" channel on 16" centers.

D. HOPPER

1. The hopper to have a minimum capacity of 12 cubic yards.

2. The hopper floor to be constructed of 1/4" AR400, 200,000 PSI.

3. The lower hopper sides to be constructed of 3/16" AR400 steel 200,000 PSI formed to a radius for additional strength. Straight hopper sides not acceptable.

4. The upper hopper side to be constructed 7ga Hi-Tensile steel.

5. The hopper front to be enclosed with expanded metal for viewing behind the packer blade and to prevent trash from blowing out.

6. The hopper to be lined with wear strips to match the wear strips on the packer blade. Plow steel wear strips are not acceptable.

7. The hopper cover to be powered by a one (1) double acting hydraulic cylinder

8. The hopper cover shall open automatically when raising the lift arms.

9. There shall be an air toggle valve in the cab to manually close the hopper cover.

10. There shall be a 28" x 12" sump clean out doors located on both sides of the front of the body. It shall be located so to have access from the ground and without the need to physically enter the hopper. Minimum capacity of 50 gallons.

11. There shall be a side access door with a lock out and shall be a minimum of 30" x 30".

E. PACKING MECHANISM

1. The packing panel face sheet to be constructed of 1/4" AR 235 steel, 115,000 PSI. _____
2. The packing panel shall slide in a tract constructed of 1/4" T-1 formed channel and lined on all three sides with AR 500 wear strips. _____
3. The packing panel to be activated by two (2) stroke four stage telescopic hydraulic cylinders with a crisscross design. _____
4. The panel to have a pack cycle of 24 seconds. _____

F. TAILGATE

1. The tailgate to be top hinged and of the bustle type. _____
2. The tailgate rear panel to be constructed of 10ga AR235 plate, 115,000 PSI _____
3. The tailgate side sheets to be constructed of 10ga AR235, 115,000 PSI Hi-Tensile steel reinforced with 2" x 3" x 3/16" structural tube. _____
4. The tailgate to be secured to the body using one (1) set of hinges with 1 1/2" hinge pins at the roof line. _____
5. The tailgate to be unlocked, opened and closed by two (2) double acting hydraulic cylinders. _____
6. The tailgate to have a positive lock without the need for turnbuckles. _____
7. The tailgate to be equipped with a one piece, replaceable rubber gasket, extending across the bottom width of the tailgate and vertically up the side 42". _____
8. A warning light and buzzer to be installed in the cab to indicate when the tailgate is open. _____

G. LIFTING ARMS

1. The arms to be of fabricated tube. (Multiple piece welded flat bar is unacceptable) The arm shall also be reinforced. _____
2. The lift arms shall have a 8,000 # lift capacity. _____
4. The arm shall provide a progressive slow stop before coming into contact with the rubber arm stops by use of a deceleration _____

COMPLY/SPECIFY

valve. (Internal cushioning of the arm cylinders is not acceptable).

5. The lift arms and fork cycle time shall not be more than 30 seconds.

6. The lift arms shall be powered by two (2) double acting cylinders with 2 1/2" rods.

7. The pivot bushings shall be a minimum of 12" long to prevent wear.

8. The forks shall be constructed of 1 1/4" Hi-Tensile plate and tapered at the end.

9. The forks at the dump position shall not exceed 13' 6" above the ground.

10. The fork rotation shall be accomplished by two (2) double acting hydraulic cylinders.

11. The fork bushings shall be of the split brass type bolted to the arms with four (4) grade 8 bolts on each side.

12. There shall be UHMW arm scuff plates mounted to the upper hopper sides.

H. CONTROLS

1. The operating controls shall be located in the cab easily accessible to the driver.

2. The fork and arm function shall be controlled by two (2) 4 way metering air controllers bolted together along with the pump control.

3. The controller shall communicate with the hydraulic valve air shifters in a metering function to provide better control in the loading process.

4. The packer, hopper cover, and rear door operation shall be controlled by a four (4) way, three (3) position air toggle valves.

5. The rear door shall not operate without depressing a safety air toggle valve in conjunction with the tailgate toggle switch to prevent accidental opening of the rear door.

6. The arm control shall have an interlock to prevent dumping behind the packer blade.

I. HYDRAULICS

1. Hydraulic reservoir shall be supplied with a minimum capacity of 70 gallons and equipped with a fluid sight gauge, air breather filter, magnetic trap, and a gate valve on the suction line. _____
2. The reservoir shall have a 100 micron suction strainer and equipped with a built in bypass for pump protection. _____
3. The body shall be powered by a front mounted Muncie MLS LPV50 pump. _____
4. All hydraulic functions shall be controlled by a sectional air operated hydraulic valve, commercial VA-35 or equivalent. _____
5. All hydraulic hoses shall be SAE 100 R2 with crimped on fittings. Where possible seamless steel tubing shall be used and held in place with shock absorbing bolt on clamps. _____
6. All hose ends, tubing and adapters shall have JIC 37 degree flare fittings. _____
7. Normal maximum operating pressures shall not exceed 2450 PSI. _____
8. The hydraulic system shall incorporate a relief valve to protect all components from excess pressures. _____
9. All cylinder rods shall be chrome plated. _____
10. All cylinder rod end pin lugs shall be inertia welded to the cylinder rods. _____
11. Automatic packer - The hydraulic system shall include automatic pack function to allow a continuous pack cycle. The auto pack function shall include a pack start button, a red "stop" button, a neutral safety to disallow the throttle to accelerate if the transmission is in gear, and a lockout provided on the hopper access door. The packer shall automatically accelerate at 1,600 RPM when truck is in neutral. _____

J. ELECTRICAL

1. All wiring shall be loomed or in conduit. _____
2. The body shall be equipped with approved clearance, warning, tail, license, stop and turn signals in compliance with the national safety standards. All lights must be LED. _____
3. All clearance, back-up, and directional lights shall be shock

COMPLY/SPECIFY

mounted and be of the pop-out style.

4. The body shall be equipped with an external audio back-up alarm activated when the chassis is in reverse.

5. A light shall illuminate in the cab when the tailgate is open and audible alarm will sound when the tailgate is open.

6. A rear vision camera shall be installed with a 5" monitor for viewing rear of body and for safety when truck is in reverse.

K. PAINT

1. The body shall be properly cleaned of all dirt, oil and welding slag. A gray lead-free primer with rust inhibitors shall be applied.

2. 3 coats of enamel shall be applied.

Specify paint color: **Forest Green** or equal _____

L. MOUNTING

1. Body shall be factory mounted only. No welding shall be performed on the chassis frame in the mounting process.

M. WARRANTY

Body

1. Body: Manufacturer's limited warranty shall apply for a period of one year after date of acceptance of the unit.

2. Cylinders--2 years.

N. LIGHTING

1. Lights: front/rear turn signals, automatic backup lights, cab marker and ICC lights.

2. All lighting required to meet state and federal safety regulations.

DELIVERY TIME: _____

Nearest Parts and Service Center: _____
