



THE CITY OF
EDINBURG
NOTICE TO BIDDERS

The City of Edinburg is soliciting sealed bids to be received by the City Secretary's Office located at 415 W. University Drive, Edinburg, Texas 78541. City of Edinburg normal business days are Monday through Friday between the hours of 8:00 a.m. to 5:00 p.m. and shall be closed on recognized holidays.

Bids will be received until **10:00 a.m. Central Time**, on **Tuesday, November 01, 2011**, shortly thereafter all submitted bids will be gathered and taken to the Edinburg City Hall Community Room, 1st Floor, to be publicly opened and read aloud. Any bid received after the closing time will not be accepted and will be returned to the bidder unopened. It is the responsibility of the bidder to see that any bid submitted shall have sufficient time to be received by the City Secretary's Office prior to the bid opening date and time. The receiving time in the City Secretary's Office will be the governing time for acceptability of the bids. Bids will not be accepted by telephone or facsimile machine. All bids must bear original signatures and figures. The Bid shall be for:

BID NO. 2012-15
PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK

Bidders receiving a "NOTICE TO BIDDERS" and/or "REQUEST FOR PROPOSALS" notice in the mail or reading same in the newspaper are advised that the bidding documents can be downloaded from the City of Edinburg web page address: www.cityofedinburg.com, or may obtain copies of same by contacting the office of:

LORENA FUENTES, PURCHASING AGENT, LOCATED AT 415 W. UNIVERSITY DRIVE, Edinburg, TX 78541 by calling (956) 388-8972 or by e-mailing your request to the following e-mail address: lfuentes@cityofedinburg.com

If you have any questions or require additional information regarding this bid, please contact Mr. Ramiro Gomez, Director of Solid Waste Management, at (956) 381-5635.

If Hand-delivering Bids: 415 West University Drive,
c/o City Secretary Department (1st Floor)

If using Land Courier (i.e., FedEx, UPS): City of Edinburg
c/o City Secretary
415 West University Drive
Edinburg, Texas 78541

If Mailing Bids: City of Edinburg
c/o City Secretary
P.O. Box 1079
Edinburg, TX 78540-1079

The City of Edinburg reserves the right to refuse and reject any or all bids and to waive any or all formalities or technicalities and to accept the bid deemed most advantageous to the City, and hold the bids for a period of **60** days without taking action.

Bids must be submitted in an envelope sealed with tape and prominently marked on the lower left hand corner of the bid envelope with corresponding bid number and title.



CITY OF EDINBURG INSTRUCTIONS TO BIDDERS

DEVIATION FROM SPECIFICATION

Please read your specifications/requirements thoroughly and be sure that the SERVICES offered comply with all specifications/requirements. Any variation from the specifications/requirements must be clearly indicated by letter attached to your bid referencing variations on a point-by-point basis. If no exceptions are noted, and you are the successful bidder, it will be required that the SERVICES be provided as specified.

PURPOSE

1. The purpose of these specifications/requirements and bidding documents is for the purchase of **PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK** for the City of Edinburg.

2. The SERVICES to be furnished under this bid shall be as specified in these bid documents. All specifications/requirements shown are minimum. There is no intention to disqualify any bidder who can meet these specifications/requirements.

SUBMITTAL OF BID

Bids will be submitted in sealed envelopes upon the blank bid form attached hereto. Each bid must be completely filled out and SUBMITTED IN ORIGINAL FORM, complete with all supporting documentation. Bids submitted by facsimile (fax) or electronically will **NOT** be accepted. Submittal of a bid in response to this solicitation for Bids constitutes an offer by the Bidder. Bids which do not comply with these specifications/requirements may be rejected at the option of the City. Bids must be filed with the City of Edinburg, before opening day and hour. No late Bids will be accepted. They will be returned to Bidder unopened (if properly identified).

If Hand-delivering Bids: 415 West University Drive, c/o City Secretary Department (1st Floor)

If using Land Courier (i.e., FedEx, UPS): 415 West University Drive, c/o City Secretary Department (1st Floor), Edinburg, Texas 78541

If Mailing Bids: P.O. Box 1079, Edinburg, TX 78540-1079

PREPARATION OF BID

Bids **MUST** give full firm name and address of bidder, and be manually signed. Failure to do so will disqualify your bid. Person signing bid must show title or AUTHORITY TO BIND HIS/HER FIRM IN A CONTRACT.

Firm name and authorized signature must appear on each page that calls for this information. The legal status of the Respondent/Bidder whether corporation, partnership, or individual, shall also be stated in the bid. A corporation shall execute the bid by its duly authorized officers in accordance with its corporate by-laws and shall also list the state in which it is incorporated. A partnership Respondent/Bidder shall give full names and addresses of all partners. All partners shall execute the bid. Partnership and Individual Respondent/Bidder shall state in the bid the names and addresses of all persons with a vested interest therein. The place of residence of each Respondent/Bidder, or the office address in the case of a firm or company, with county and state and telephone number, shall be given after the signature.

ALTERATIONS/AMENDMENTS TO BID

Bids **CANNOT** be altered or amended after opening time. Alterations made before opening time must be initialed by bidder guaranteeing authenticity. No bid may be withdrawn after opening time without acceptable reason in writing and only after approval by the City of Edinburg.

INSTRUCTIONS TO BIDDERS (Continued):

SALES TAX

State sales tax must not be included in the bid.

SUBSTITUTIONS

No substitutions or cancellations will be permitted without written approval of City of Edinburg.

NO BID RESPONSE

If unable to submit a bid, bidder should return inquiry giving reasons.

EXCEPTIONS

Any additions, deletions, or variations from the following specifications/requirements must be noted. The bidder shall attach to his/her bid sheet a list of any exceptions to the specifications/requirements if unable to do so, on specification sheet.

DELIVERY

Number of days required to deliver SERVICES after receiving order must be stated in the bid. Failure to so state will obligate bidder to complete service delivery within ONE day.

DELAY IN SERVICE DELIVERY

When delay can be foreseen, Bidder shall give prior notice to City of Edinburg. Bidder must keep City of Edinburg advised at all times of status of order. Default in promised service delivery (without acceptable reasons) or failure to meet specifications/requirements, authorizes the City of Edinburg to purchase such SERVICES elsewhere and charge increase in cost to defaulting vendor. Acceptable reasons for delayed delivery are as follows: Acts of God (floods, tornadoes, hurricanes, etc.), acts of government, fire, strikes, war; Actions beyond the control of the successful bidder.

SERVICE DELIVERED PRICING

Bids in units of quantity specified - extend and show total. In the event of discrepancies in extension, unit prices will govern. Bids subject to unlimited price increase will not be considered.

VALID BID TIME FRAME

The City may hold bids 60 days after bid opening without taking action. BIDDERS shall be required to hold their Bids firm for the same period of time.

RIGHT TO REJECT/AWARD

The City of Edinburg reserves the right to refuse and reject any or all Bids, and to waive any or all formalities or technicalities, and to make such awards of contract as may be deemed to be the best and most advantageous to the City of Edinburg.

MULTIPLE VENDOR CONTRACTS

Bidders are advised that the City of Edinburg may award Service Contracts to multiple vendors based on low bid per item basis. All items specified on the "Bid Form" **must** reflect the individual unit prices. The City of Edinburg reserves the right to award all items individually or in any combination thereof.

INSTRUCTIONS TO BIDDERS (Continued):

INDEMNIFICATION CLAUSE

The Bidder agrees to indemnify and save harmless the City, from all suits and actions of every nature and description brought against them or any of them, for or on account of the use of patented appliances, products or processes, and he shall pay all royalties and charges which are legal and equitable. Evidence of such payment or satisfaction shall be submitted upon request of the Purchasing Agent, as a necessary requirement in connection with the final estimate for payment in which such patented appliance, products or processes are used.

ADDENDA

Bidder shall carefully examine the bid forms, specifications/requirements, and instructions to Bidders. Should the bidder find discrepancies in, or omissions from bid forms, specifications/requirements, or other documents, or should he/she be in doubt as to their meaning, he/she should at once notify the Purchasing Agent (Edinburg City Hall, 956-388-8972) and obtain clarification by addendum prior to submitting any bid. Explanations, interpretations, and supplemental instructions shall be in the form of written Addenda which shall become a part of the Contract documents. Said Addenda shall be mailed, e-mailed, hand delivered and/or faxed, to all prospective Bidders. All Addenda issued in respect to this project shall be considered official changes to the original bid documents. Verbal statements in response to inquiries and/or requests for explanations shall not be authoritative nor binding. It shall be the Bidder(s) responsibility to ensure that they have received all Addenda in respect to this project. Furthermore, Bidders are advised that they must recognize, comply with, and attach a signed copy of each Addendum which shall be made part of their Bid Submittal. Bidder(s) signature on Addenda shall be interpreted as the bidder's "recognition and compliance to" official changes as outlined by the City of Edinburg and as such are made part of the original solicitation documents. Failure of any bidder to receive any such addendum or interpretation shall not relieve such Bidder from its terms and requirements. Addendums are available online at www.cityofedinburg.com.

PAYMENT

The City of Edinburg will execute payment by mail in accordance with the State of Texas Pay Law after SERVICES have been provided and invoiced. No other method of payment will be considered.

SYNONYM

Where in this bid package ITEMS OR SERVICES is used its meaning shall refer to the purchase of PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK as specified.

ASSIGNMENT

Neither the Bidder's contract nor payment due to an awarded vendor may be assigned to a third party without the written approval of the Purchasing Department for the City of Edinburg.

INTERPRETATIONS

Any questions concerning the conditions and/or specifications/requirements with regards to this solicitation for Bids shall be directed to the designated individuals as outlined in the Request for Bids. Such interpretations, which may affect the eventual outcome of this request for Bids, shall be furnished in writing to all prospective Bidders via Addendum. No interpretation shall be considered binding unless provided in writing by the City of Edinburg in accordance with paragraph entitled "Addenda".

INSTRUCTIONS TO BIDDERS (Continued):

STATUTORY REQUIREMENTS

It shall be the responsibility of the successful Bidder to comply with all applicable State & Federal laws, Executive Orders and Municipal Ordinances, and the Rules and Regulations of all authorities having jurisdiction over the work to be performed hereunder and such shall apply to the contract throughout, and that they will be deemed to be included in the contract as though written out in full in the contract documents. (To include issues related to health, environmental, and safety to name a few.)

BIDDER'S EMPLOYEES

Neither the Bidder nor his/her employees engaged in fulfilling the terms and conditions of this Purchase Contract shall be considered employees of the City. The method and manner of performance of such undertakings shall be under the exclusive control of the vendor on contract. The City shall have the right of inspection of said undertakings at any time.

RIGHT TO WAIVE

City of Edinburg reserves the right to waive or take exception to any part of these specifications/requirements when in the best interest of the City of Edinburg.

COOPERATIVE PRICING

Bidders are advised that in addition to responding to our "local" solicitation for bids/Bids with Dealer pricing, vendors/contractors are encouraged to provide pricing on the below referenced items/products/services based on BuyBoard, TX-MAS, H-GAC and/or any other State of Texas recognized and approved cooperative which has complied with the bidding requirements for the State of Texas. If bidding other than or in addition to "dealer" pricing, kindly duplicate the bid forms for each bid being provided from a cooperative contract. Any and all applicable fees must be included. All cooperative pricing must be submitted on or before bid opening date and hour.

TIME ALLOWED FOR ACTION TAKEN

The City of Edinburg may hold bids 60 days after the opening of Bids without taking action. Bidders are required to hold their Bids firm for same period of time.

PREPARATION OF BID

The City of Edinburg shall not be held liable for any costs incurred by any bidder for work performed in the preparation of and production of a bid or for any work performed prior to execution of contract.

CONFIDENTIAL INFORMATION

Any information deemed to be confidential by the bidder should be clearly noted on the pages where confidential information is contained; however, the City cannot guarantee that it will not be compelled to disclose all or part of any public record under Texas Public Information Act, since information deemed to be confidential by the bidder may not be considered confidential under Texas Law, or pursuant to a Court order.

VERBAL THREATS

Any threats made to any employee of the City, be it verbal or written, to discontinue the providing of item/material/services for whatever reason and/or reasons shall be considered a breach of contract and the City will immediately sever the contract with the Vendor on contract.

MATHEMATICAL ERRORS

In the event that mathematical errors exist in any bid, unit prices/rates -v- totals, unit prices/rates will govern.

INSTRUCTIONS TO BIDDERS (Continued):

AUDIT

The City of Edinburg reserves the right to audit the vendor's books and records relating to the performance of this contract. The City of Edinburg, at its own expense, shall have the right at all reasonable times during normal business hours and upon at least twenty-four (24) hours' advance notice, to audit, to examine, and to make copies of or extracts from the books of account and records maintained by the vendor(s) with respect to the Supply/Service and/or Purchase Contract. If such audit shall disclose overpayment by City to vendor, written notice of such overpayment shall be provided to the vendor and the amount of overpayment shall be promptly reimbursed by vendor to the City. In the event any such overpayment is not paid within ten (10) business days after receipt of such notice, the unpaid amount of such overpayment shall bear interest at the rate of one percent (1%) per month from the date of such notice until paid.

PAST PERFORMANCE

Vendor's past performance shall be taken into consideration in the evaluation and award of Service Contract for the Purchase of SERVICES.

JURISDICTION

Contract(s) executed as part of this solicitation shall be subject to and governed under the laws of the State of Texas. Any and all obligations and payments are due and performable and payable in Hidalgo County, Texas.

VENUE

The parties agree that venue for purposes of any and all lawsuits, cause of action, arbitration, and/or any other dispute(s) shall be in Hidalgo County, Texas.

CONFLICT OF INTEREST

CHAPTER 176 OF THE TEXAS LOCAL GOVERNMENT CODE

Effective January 1, 2006, Chapter 176 of the Texas Local Government Code requires that any vendor or person considering doing business with a local government entity disclose in the Questionnaire Form CIQ, the vendor or person's affiliation or business relationship that might cause a conflict of interest with a local government entity. By law, this questionnaire must be filed with the records administrator of the City of Edinburg not later than the 7th business day after the date the person becomes aware of facts that require the statement be filed. See Section 176.006, Local Government Code. A person commits an offense if the person violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor. For more information or to obtain Questionnaire CIQ go to the Texas Ethics Commission web page at www.ethics.state.tx.us/forms/CIQ.pdf.

IF YOU HAVE ANY QUESTIONS ABOUT COMPLIANCE, PLEASE CONSULT YOUR OWN LEGAL COUNSEL. COMPLIANCE IS THE INDIVIDUAL RESPONSIBILITY OF EACH PERSON OR AGENT OF A PERSON WHO IS SUBJECT TO THE FILING REQUIREMENT. AN OFFENSE UNDER CHAPTER 176 IS A CLASS "C" MISDEMEANOR.

AWARD

For purposes of this project, award will be contingent on approval of budget.

SPECIAL CIRCUMSTANCES

In the event that the City of Edinburg has an immediate need for a particular service(s) that is/are on contract and the successful vendor on contract is not able to meet the special service delivery needs of the City of Edinburg, the City of Edinburg reserves the right to purchase such services elsewhere to fulfill its' immediate need.

INSTRUCTIONS TO BIDDERS (Continued):

TERMINATION OF CONTRACT

The City of Edinburg reserves the right to terminate the contract if, in the opinion of the City of Edinburg, the successful vendor's performance is not acceptable, if the City is being repeatedly over charged, improperly charged, no funds are available, or if the City wishes, without cause, to discontinue this contract. Termination will be in written form allowing a 30-day notice. The bidder shall be afforded the same right to terminate this contract in the same manner.

**CITY OF EDINBURG
REQUEST FOR BIDS FOR
PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK**

BID NO. 2012-15

BID OPENING DATE: November 01, 2011 at 10:00 a.m.

It is the intent of this Request for Bids to describe and ultimately make it possible for the City of Edinburg to purchase the below mentioned **PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK.**

GENERAL REQUIREMENTS AND AGREEMENT FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK:

You are invited to submit a sealed bid for the purchase of ONE (1) **PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK** as requested by the City of Edinburg Department of Solid Waste Management.

The specifications listed below are minimum requirements and are intended to govern, in general, the size and material desired. The City of Edinburg reserves the right to evaluate variations from these specifications.

INTENT:	Initial:
<p>The City of Edinburg owns and operates a Fully Automated Waste Collection Fleet and services 100% of all City Residents and Commercial Establishments. Therefore, time is of the essences; full responses to the bid are needed to fully evaluate the bid. Bidders are to have thoroughly read and understood these specifications prior to bid submission. These specifications are intended to describe a 33 yd fully automated right hand drive side load residential truck with a hydraulically actuated packer body with a mechanical lifting device capable of handling 30 to 300 gallon refuse containers. The truck shall be capable of compacting and transporting refuse to a landfill and dispensing the load by means of hydraulically ejecting the load from the body. All components and requirements shall be at a minimum as listed in the attached specifications herein describe the minimum acceptable features, performance and operational requirements for a fully automated side load residential truck that the City of Edinburg will purchase for use with its Collection Program.</p>	
GENERAL TERMS:	Initial:
<p>The manufacturer of all equipment provided under this contract shall be ISO 9001-2000 certified. All equipment furnished under this contract shall be new, unused and the same as the manufacturer's current production model. Accessories not specifically mentioned herein, but necessary to furnish complete unit ready for use, shall also be included. Unit shall conform to the best practice known to the body trade in design, quality of material and workmanship. Assemblies, sub-assemblies and component parts shall be standard and interchangeable throughout the entire quantity of units as specified in this invitation to bid. The equipment furnished shall conform to ANSI Safety Standard Z245.1-2008.</p>	

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

BID QUOTATION:	Initial:			
<p>All bids must be submitted on the City's form provided. Bidders shall complete the specification column with a check mark to indicate if the item being bid is exactly as specified. If an item is left blank, the City will assume the bidder cannot meet the specifications and may cause rejection of the bid. By checking any of the "NO" spaces the bidder states that the product being bid does not conform to that minimum specification. The City of Edinburg Dept. of SWM operates a uniform and standardized fleet which expressly provides for the interchangeability of common and/or singular components and reduces the need for large inventory stock; therefore, all variations and/or exceptions must be documented, referencing applicable paragraph(s), and explained in detail on a separate page titled "Exceptions". Otherwise it will be considered that equipment offered is in strict compliance with these specifications and requirements, and successful bidder will be held responsible therefor. If the City of Edinburg determines by any means that exceptions exist which were not identified on such list, then that bid will be disqualified as being non-responsive. If no exceptions are taken, it will be assumed that the bid meets all specifications as stated. However, no implication is made by THE CITY OF EDINBURG that exceptions will be acceptable. Bidder is advised that the response (or lack thereof) on this question does not take precedence over specific responses or non-responses provided elsewhere in this bid.</p>				
<p>The CITY OF EDINBURG reserves the right to reject any and all bids, the right to waive informalities, and the right to disregard nonconforming or conditional bids or counter bids. It is the intention of THE CITY OF EDINBURG to execute a final, binding Contract with the successful Vendor which incorporates terms and conditions no less onerous than those appropriate to the engagement of a licensed contracting firm in connection with a project/ purchase of this magnitude, nature and importance. If the contract is to be awarded, it will be awarded to the lowest responsible Vendor whose evaluation by the CITY indicates that the award will be in the best interest of CITY OF EDINBURG.</p>				
BASIC SPECIFICATIONS				
CAB and CHASIS				
<p>Make: _____ Model: _____ Year: _____</p>				
FRAME		YES	NO	OFFER
Shall have 10-3/4" Steel Rails, with 3/8" rail thickness, and full steel inner Liner				
Shall be equipped with (2) front solid mount cable hooks.				

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

FRONT AXLE		YES	NO	OFFER
	Shall be equipped with Front Axle 20,0000 lbs			
	Shall be equipped with, Taper Leaf Spring, with Shocks 20,000 lbs			
	Shall be equipped with Power Steering			
	Shall be equipped with Front Drum brakes 16.5x7			
REAR AXLE		YES	NO	OFFER
	Shall be equipped with 46,000 lbs rears			
	Shall be equipped with differential Locks Both Axles			
	Shall be equipped with a Telma Retarder, Focal Point axle mounted			
	Shall be equipped with, Ratio 5.38 rear axle			
	Rear Suspension HENDRICKSON HMX460 46,000 lbs			
ENGINE		YES	NO	OFFER
	The Engine shall have a Maximum of 320 HP			
	Shall have a engine protection shutdown			
	Alternation 200 amp			
	Battery disconnection switch			
TRANSMISSION		YES	NO	OFFER
	Transmission shall be fully automatic			
	Six Speed Transmission			
AIR		YES	NO	OFFER
	Shall have a Bendix air dryer			
TIRES AND WHEELS				
	Front Tire 20ply 315/80R22.5 MICHELIN TIRES			
	Rear Tires 14ply 11R22.5MICHELIN TIRES			
	Front Rims Aluminum			

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

	Rear Rims steel			
FUEL TANK				
	26" Aluminum 80 gal.			
CAB		YES	NO	OFFER
	Cab shall be of Cab over Design			
	Cab shall Meet The Following Criteria Must Be An Aluminum Cab, Right Hand Drive			
	Air Ride High Back Driver Vinyl Seat			
	Air Conditioner/ Heater/ Defroster Factory Installed			
	Passenger seat low back vinyl. Non-air			
	Inside the cab Color is Grey			
	Outside color is white			
	Radio AM/FM			
	Back up Alarm			
	2 CONVEX 8" MIRROR			
	SSTL Mirrors each side			
	1 air horn Lift hand side of cab			
	Shall have a, Warning light battery disconnect switch engaged (marker light)			
	Shall have Daytime Running Lights			
CAPACITY		YES	NO	OFFER
	The packer body shall have a capacity, excluding the hopper, of not less than: 33 yd ³ (bustle gate)			

REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK

(Continued):

	The hopper shall have a capacity of five and two-tenths (5.2) cubic yards.			
	The structural integrity of the body shall allow high density loading of up to 1,000 pounds per cubic yard of normal refuse.			
BODY DIMENSIONS		YES	NO	OFFER
	Maximum outside body width shall be 96".			
	Maximum overall length of the body, tailgate and loader assembly combined shall not exceed the following: 33 yd ³ - 319"			
	The maximum inside body width shall be 91".			
	The maximum inside body height shall be 82".			
	The maximum outside body height above chassis shall be 98".			
	Hopper width shall be 80".			
	Hopper length shall be 69.5".			
	Hopper depth on the curbside, including 6" rubber flap, shall be 66".			
	Hopper depth on the street side shall be 75".			
BODY CONSTRUCTION		YES	NO	OFFER
	The body interior shall have a smooth flat floor without a trough. The sides and roof shall be smooth curved construction. All materials shall be steel unless otherwise specified.			
	In order to prevent damage from corrosion and fire, no hydraulic cylinders, valve or other hydraulic components shall come in contact with refuse packed into the body.			
	Body sides and roof shall be of curved stress skin construction interfacing with the corner mainframe bolsters. All sidewall and roof members shall be continuous welded.			

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

	<p>Floor shall be flat full width and shall not have inboard guide rails or a trough. The floor shall be a minimum .1875", 184,000 PSI minimum yield AR400 steel plate and shall be reinforced with one piece full width and interlaced 3" x 6" x 10 ga., 80,000 PSI minimum yield channels nominally located on 18" centers so as to withstand continuous operation at maximum imposed loads without harmful deformation or excessive wear. All body floor members shall be continuous weld.</p>			
	<p>Body roof shall be minimum 8 ga., 80,000 PSI minimum yield hi-tensile steel sheet fully welded to a full length 8 ga. inner and 11 ga. outer, 80,000 PSI minimum yield roof crown rail to contain and dissipate forces equally through the body structure. Front and rear lateral roof bow shall be 2" x 8" x .25", A500, Gr. B, 46,000 PSI minimum yield.</p>			
	<p>Body sides shall be a minimum 8 ga., 80,000 PSI minimum yield hi-tensile steel sheet fully welded to a roof crown rail and to the 4.7" x 18" floor skirt rail.</p>			
	<p>Rear mainframe body side bolsters shall be a minimum of 3" x 20" at the mid span section and 5" x 20" at the major upper and lower connecting points of the mainframe. The bolsters shall be contour shaped to the sidewall and formed from minimum 7 ga., 80,000 PSI minimum yield steel. The front mainframe body side bolsters shall be a minimum of 3.7" x 8.6" at the mid span section and 5" x 8.6" at the major upper and lower connecting points of the mainframe. The bolsters shall be contour shaped to the sidewall and formed from minimum 8 ga. x 80,000 PSI minimum yield steel. The reinforcement bolsters shall be fully welded to the curved body side sheets.</p>			
	<p>Floor longitudinal long members shall be formed trapezoidal shape 9.6" x 11" with a 3.3" base sill of 7 ga., 80,000 PSI minimum yield formed channels.</p>			
	<p>Packer panel guide rail bottom edge shall be located 3.7" above longitudinal floor corners and integral to body floor sheets. The guide rail channel shall have interior dimensions of 3.5" x 4.2". The top flange of the guide rail channel shall be reinforced with a 45° plate, which shall also serve as a self-cleaning device.</p>			

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

HOPPER CONSTRUCTION		YES	NO	OFFER
Hopper shall be of flat floor and straight vertical sidewalls. Hopper shall be designed to properly handle thirty (30) gallon through three hundred (300) gallon automated side loader carts.				
Hopper long members shall be formed trapezoidal shape 9.6" x 11" x 3.3" base sill of 7 ga., 80,000 PSI minimum yield formed steel channels.				
Hopper floor shall be constructed of a minimum .25" 184,000 PSI minimum yield AR400 steel plate.				
Hopper sides shall be constructed of a minimum .1875" 184,000 PSI minimum yield AR400 steel plate.				
A hopper sump shall be provided in forward floor area of the hopper. Sump shall have a 40 gallon minimum capacity and have dual clean-out doors, 14.5" wide x 7" high, on each side of the body. A tool, with hanger brackets, for easy cleanout shall be provided.				
An access door opening, 26.75" wide x 36.25" high, shall be provided on hopper left hand side wall. Folding steps and grab handles shall be provided to ease entry.				
The front of the hopper, forward of the packer mechanism, shall be accessible by removing a 79.75" wide x 36" high expanded metal screen.				
PACKING MECHANISM		YES	NO	OFFER
	A hydraulically actuated packer traversing a minimum of 60", while packing, shall clear the hopper of material with a maximum cycle time of fourteen (14) seconds. A proximity switch will automatically reverse the packing cycle and return the packing panel to the front head. An automatic back-up reversing means shall be provided should the packing panel be unable to reach the rearmost packing position of 60".			
	The packing panel face sheet shall be constructed of a minimum .25", 80,000 PSI minimum yield, abrasion resistant steel plate.			
	A spill shield, fabricated from 11 ga., 50,000 PSI minimum yield steel shall be affixed to the top of the packing panel.			
	The packer panel and spill shield shall be reinforced with a combination of structural members for maximum rigidity.			

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

	Hopper zone guide rails (2) in the side of the body shall be comprised of a .25", 50,000 PSI minimum yield formed angle welded to 3.5" x 3.5" x .3125" ASTM A500 tubing on each side of body. The tubing shall run the full interior length of the hopper and extend 28" into the body.			
Hopper zone guide rails shall be clad on each side in the following manner:				
	Top wear bar, .25" thick x 2" wide, 145,000 PSI minimum yield, AR steel.			
	Side wear bar, .25" thick x 2.5" wide, 145,000 PSI minimum yield, AR steel.			
	Bottom wear bar, .25" thick x 2.5" wide, 145,000 PSI minimum yield, AR steel			
The guide perch on each side of the packer panel shall be 3" x 6" x .25" ASTM A500 Grade B structural tubing clad in the following manner:				
	Top wear bar, .25" thick x 2" wide x 35" long, 145,000 PSI minimum yield, AR steel.			
	Side wear bar, .25" thick x 2" wide x 35" long, 145,000 PSI minimum yield, AR steel.			
	Bottom wear bar, .375" thick x 3.5" wide x 35" long, 145,000 PSI minimum yield, AR steel.			
	The packer panel shall be provided with bolt-on lugs for each of the two (2) packing cylinders. The cylinders shall be attached to the packer panel lugs via 2" diameter pins. Cylinder removal may be accomplished by either pulling the pins or removing the entire bolt-on lugs. The lugs shall be attached to the packing panel with six (6) .75" diameter bolts for each lug assembly			
	The body front head shall also be provided with bolt-on lugs for packing cylinders. The lugs shall retain each cylinder pin with six (6) .75" diameter bolts.			
The packer will be hydraulically actuated by two (2) double acting multi-stage cylinders having chrome plated tubes, and shall have spherical bearings on both ends.				
	33 yd ³ - 5.5"x4.5"x3.5" bore x 182" stroke			
	Packing force shall be a minimum of 83,000 pounds. Cylinder force shall be a minimum of 118,000 pounds.			

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

	The packer shall be designed to allow dumping of a container regardless of the position of the packing panel during the compaction cycle.			
	The packing mechanism shall be capable of extending to the rearmost end of the body, past full pack position, to provide off-loading function when the tailgate is raised.			
TAILGATE		YES	NO	OFFER
	The 5.3 cubic yard (bustle) or 1 cubic yard (flat) tailgate must be one piece top hinged, and shall hydraulically open approximately 30° above horizontal.			
	Tailgate shall be constructed of a minimum 10 ga., 80,000 PSI minimum yield on rear and side walls.			
	The bustle tailgate shall be reinforced by a minimum 12 ga., 80,000 PSI minimum yield horizontal boxed brace.			
	The tailgate will be secured to the body by two (2) sets of hinges with 2" hinge pins at the roof line.			
	A heavy duty rear door positive seal of rubberized gasket material shall be installed the full length of the bottom and 56.5" up sides of tailgate to prevent leakage.			
	The tailgate shall be raised and lowered hydraulically actuated by two (2) double acting cylinders with a minimum 3" bore x 35.25" stroke x 1.5" diameter chrome plated rod. Cylinder design shall include an orifice fitting in the base port, which shall prevent rapid descent of the tailgate in the event of a hydraulic failure.			
	The tailgate shall be locked by two (2) cylinders having a minimum 3" bore x 1.5" diameter hardened chrome plated rod x 3.62" stroke.			

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

LIFTING MECHANISM	YES	NO	OFFER
<p>The lift base shall support the lift arm, the dump arm, the level pivot, the level link, the pivot link, and the reach link. The lift base shall rest atop the chassis frame rails for superior vertical distribution of loads induced into the chassis frame rails. Lift mechanisms mounted alongside the chassis frame will not be accepted. The lift base shall consist of a .75" x 16" x 61", 50,000 PSI minimum yield, surface plate for chassis frame mounting and shall be reinforced by four (4) vertical ribs for rigidity and arm pivot placement. The ribs shall utilize .75" x 6.5", 50,000 PSI minimum yield steel. The front-to-rear mounting length shall not exceed 18".</p>			
<p>The lift arm shall consist of a 4.5" x 9.5" fabricated structure with a 4" x 3" structural tube to serve as support for the dump arm.</p>			
<p>The dump arm shall consist of a 4" x 3" structural tube that will support the appropriate grabbers determined by local demands.</p>			
<p>The level pivot shall be a fabricated channel with a 4.7" web x 8.2" flanges x .25", 50,000 PSI minimum yield steel.</p>			
<p>The level link shall be a 1.5" x 3" x 0.188" structural tube machined at each end for steel spherical bearings and two (2) 1.5" x 4" TGP pins.</p>			
<p>The pivot link shall be a 3" x 3" x 0.375" structural tube machined for a Connex steel bushing of AISI 615C on the top end, and a 2" spherical bearing on the bottom end. The Connex bearing shall be sealed by (2) Garlock 9220, "U-cup" 90 durometer urethane seals. Both ends shall be supported by two (2) 2" x 3.5" TGP1045RC55-NOM24RMS pins.</p>			
<p>The reach link shall consist of two (2) parallel 3" x 5" x .375" structural tubes linked midspan and properly lined bored each end for four (4) Connex bushings of AISI 615C, sealed by two Garlock 9220 "U-cup" 90 durometer urethane seals, and supported by one (1) 3" x 14.5" TGP1045RC55-NOM24RMS upper pin and one (1) 3" x 13.4" TGP1045RC55-NOM24RMS lower pin.</p>			
<p>The lifting mechanism shall be capable of lifting containers ranging from 30-300 gallons at level container placement, and shall be capable of extending, grabbing, raising, dumping, and returning a container from any position without the need to "retract" the lift arm and shall perform the following lift cycle functions in approximately eight (8) seconds at engine idle.</p>			

REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK

(Continued):

	The lift shall be powered by three (3) hydraulic cylinders with cushions at each end of the stroke.			
	The raise and reach cylinders shall have hardened and chrome plated rods and shall be manufactured by John Deere. Control valves shall be direct acting, feather-able, air actuated.			
	The lift mechanism shall traverse the container from the point of engagement to the elevated and rotated position of discharge through a compound elliptical curve devoid of abrupt directional changes and high gravity forces to preserve container structural integrity and greatly reduce container maintenance.			
HYDRAULICS		YES	NO	OFFER
	The maximum operating pressures shall be 2500 PSI.			
	The hydraulic system shall operate at an acceptable temperature without the need for external hydraulic oil cooling devices.			
	The hydraulic pump shall be a front engine, crank driven, Denison tandem vane pump with electronic over-speed control. The combined flow shall be 28 GPM @ 800 RPM. The lift operation shall be limited to 18 GPM @ 800 RPM. The pump shall combine flow to 44 GPM @ 1200 RPM in order to operate the packer panel pump. Pump shall comply with specification 219-2305 or equal.			
	All hydraulic tubes will be securely clamped to prevent vibration, abrasion, and excessive noise.			
	All hydraulic hoses shall conform to SAE standards for designed pressure. All high pressure hoses shall be sleeved with fabric guard for added protection.			
	The hydraulic reservoir shall have a 50 gallon gross capacity and a 45 gallon net capacity.			
	The tank shall be complete with a screened fill pipe and cap, filter breather, clean out cover, oil level sight and temperature gauge, and suction line shut-off valve.			
	The hydraulic system shall be protected by a three (3) micron, in tank, return line filter along with a 100 mesh (140 micron) reusable oil strainer in the suction line.			

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

	The return line filter shall also include an in-cab filter by-pass monitor, which shall alert the operator or service personnel when the filter is in need of replacement.			
	A hydraulic pump shut down system shall also be included, which shall prohibit prolonged operation of the hydraulics when the filter is in the by-pass mode.			
LUBRICATION		YES	NO	OFFER
	All body hinges, cylinder rod ends, cylinder base trunnions and high cycle pivot points shall be supplied with grease fittings.			
CONTROLS		YES	NO	OFFER
	The lift controls shall be a combination of electric over air over hydraulic and air over hydraulic and located in the cab convenient to the operator.			
	The reach and lift shall be direct air over hydraulic for the x-x axis and y-y axis functions to be controlled by appropriate movement of the joystick.			
	The grabber functions shall be electric over air over hydraulic and shall be controlled by thumb switches on the upper portion of the joystick.			
	The lift controls shall be self-centering type, returning to the neutral position when released. These controls shall direct oil flow via a three (3) section "on-command" valve.			
	Selectable auto-dump and auto-stow shall be provided.			
	The packer button controls shall be electrical push buttons located in the cab convenient to the operator. Separate push buttons shall be provided for "Pack" and "Retract" to provide complete packer panel movement control in either direction. Pushing the "Pack" button shall automatically extend and retract the packer panel for a complete cycle.			
	An emergency on/off button shall be provided to stop packer panel movement during the extend or retract cycles.			
	Tailgate raise and tailgate lock controls shall be individually controlled by pneumatic toggle switches inside the cab.			

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

ELECTRICAL		YES	NO	OFFER
	A PLC (Programmable Logic Controller) electronic control center shall be provided to monitor system functions. The PLC shall be installed inside the truck cab and shall possess self diagnosing error codes which identify the trouble source. Both audio and LED outputs must be made available to aid in locating trouble source.			
	All electrical wiring connectors to be automotive double-seal, with wiring in split convoluted loom. All wiring connections to be soldered with rubber molded covering or crimp type connectors with shrink wrap. Unprotected wiring in any application is unacceptable.			
	All switches not manually operated shall be proximity in type. Mechanical switches are not acceptable.			
	A control panel light shall be provided to warn the driver/operator any time the lift is not fully stowed.			
LIGHTING		YES	NO	OFFER
	Clearance, back up, and directional lights shall be Lexan lens, shock mounted in a protective housing. The entire unit shall be flush mount, replaceable pop out style.			
	All lights shall be provided in accordance with FMVSS #108 and ANSI 245.1-1999, plus mid body turn signals on each side of the body and a center brake light on the rear.			
REAR UNDERRIDE AND TIRE GUARD		YES	NO	OFFER
	The body shall be equipped with a rear under-ride guard as standard equipment to meet Federal Motor Carrier Safety Regulation 49CFR393.86, TTMA RP No. 41-02, and SAE J682 Oct84.			
PAINTING		YES	NO	OFFER
	First Step – Smoothing - All weld slag, splatter or roughness shall be removed with the appropriate hand tools. No sand, shot or glass air blasting shall be permitted to eliminate contamination and possible damage to bearings or pin surfaces and possible distortion of higher gauge sheet materials used on the body.			

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

	<p>Second Step – Purgation - A heated pressure wash shall drench the entire body with a silicated alkaline phosphate based precleaner to clean all metal surfaces. This solution shall soak through and break down the oil film and other contaminants found on steel. The solution shall be non-corrosive to metals and shall be environmentally friendly.</p>			
	<p>Third Step – Pre-Treatment – An organically accelerated phosphoric acid based pretreatment will be applied to all metal surfaces. This step provides a chemical conversion coating which changes the chemical and physical nature of the surface by providing a surface that the next application (prime) will adhere to.</p>			
	<p>Fourth Step – Sealing - The entire body shall be coated with an application of the patented Dry-In-Place Seal from Henkel Surface Technologies. This process shall dramatically improve the surface finish's resistance to rusting that occurs from general wear and tear, and shall provide improvements to paint adhesion and other related corrosion that occurs over the life of the products. This shall help retain the “as new” appearance of the factory paint surface.</p>			
	<p>Fifth Step - Primer Coat Paint - The seal coat shall be painted using DuPont Corlar - a high performance, low VOC/HAPS epoxy polyamide primer-sealer. Corlar is a two-component gray primer-sealer that is lead and chromate free. This shall be applied in an amount necessary to achieve a dry film thickness of 1.2 mil.</p>			
	<p>Sixth Step - Finish Top Coat Paint - A high luster finish coat shall be applied using DuPont Imron 5000 – a high-performance, low VOC (<3.5 lbs/gal RTS) two-component polyurethane enamel. An ample amount shall be applied to achieve a dry film thickness of 2 mil and shall result in a finish of 3.2 mil minimum film thickness.</p>			
	<p>1. ADDITIONAL REQUIRED OPTIONS</p>			
	<ul style="list-style-type: none"> a. Hopper and Lift Work Light Kit b. Petersen Multi-Function (SMART) LED c. Lift Cycle Counter d. Remote Lift Controls – Air Toggles e. Hopper Hood f. 20 lb Fire Extinguisher g. Remote Lubrication System – Packer 			

	h. 3rd Eye Camera System – Single			
--	-----------------------------------	--	--	--

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

	WARRANTY:			
	Specify: Cab & Chasis _____ Specify: Refuse Body _____ Specify: Hydraulics _____ Specify: Pistons _____ Extended Warranty: Cab & Chasis _____ Cost: _____ Extended Warranty: Specify: _____ Cost: _____			
	MANUALS:	YES	NO	OFFER
	Two sets each of parts manuals, operator's manuals, and service manuals.			
	DELIVERY, SETUP AND TRAINING:	YES	NO	OFFER
	The unit shall be delivered to the CITY OF EDINBURG Department of Solid Waste Management located at 8601 NORTH JASMAN Rd, EDINBURG TEXAS 78540 and set up to work at the selling dealer's expense. Training on proper operation and maintenance of the unit shall be conducted over a two (2) day period and shall not be less than twelve (8) hours.			

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

	MACHINE AVAILABILITY GUARANTEE:	YES	NO	OFFER
	<p>In the event of a warrantable failure of the unit, the Successful bidder shall guarantee to repair the unit to an operating condition within 24 hours, excluding weekend and holidays, from the time of arrival at the Successful bidders location. This warranty shall remain in effect for any warrantable repair for the warranty period listed above. If the Successful bidder cannot comply with this condition, a comparable machine shall be provided at no cost until the repairs are complete. If no machine is available, a daily rental credit payment of \$500 shall accrue until repairs are completed. Details of this warranty shall accompany the bid.</p>			
	<p>PARTS and SERVICE AVAILABILITY GUARANTEE:</p>	YES	NO	OFFER
	<p>The Successful bidder shall guarantee that factory-warranted parts and service are available directly from the equipment manufacturer/dealer within 30 miles of the CITY. If the CITY orders a new part necessary to operate the machine and the successful bidder does not have the part available or give reasonable notice that the part is available for pickup at the location ordered within 24 hours, excluding weekends and holidays, the successful bidder shall furnish the part to the CITY at no cost. Parts covered by this guarantee shall be ordered from the successful bidder's parts department during normal working hours. This guarantee shall not apply when parts ordered from the successful bidder in connection with service work in progress. Detail of this guarantee shall accompany the bid.</p>			
	<p>FIVE YEAR GUARANTEED REPURCHASE PROVISION:</p>	YES	NO	OFFER
	<p>The CITY may return the machine to the Successful bidder and the Successful bidder agrees to repurchase the machine, at the guaranteed repurchase price within five (5) years from the date of delivery. The CITY agrees that the machine will be in operating condition at the time of the repurchase. The Successful bidder shall provide a quoted repurchase price for the machine.</p>			

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

Company Name:		
Printed Name of Person Submitting Bid:		
Street Address:		
County, State:		
Zip:		
Phone Number: ()		
Fax Number: ()		
E-mail Address:		
Make & Model:		\$
Warranty: Specify	\$	
Warranty: Specify	\$	
Warranty: Specify	\$	
Bid on Trade In:	# Unit	\$
	# Unit	\$
	# Unit	\$
Trade in vehicles are available for inspection at 8601 North Jasman Rd		
Edinburg, Texas.		
Total Cost of Equipment :		\$
Delivery time after award:		

**REQUEST FOR BIDS FOR PURCHASE OF ONE (1) AUTOMATED RESIDENTIAL REFUSE TRUCK
(Continued):**

All Addenda issued in respect to this project shall be considered official changes to the original bidding documents. It shall be the Bidder(s) responsibility to ensure that all Addenda have been received. Furthermore, bidders are advised that they must recognize, comply with, and attach a signed copy of each Addendum which shall be made part of their Bid Submittal. Bidder(s) signature on Addenda shall be interpreted as the vendor's "recognition and compliance to" official changes as outlined by the City of Edinburg and as such are made part of the original bidding documents.

Respectfully submitted this ____ day of _____, 2011.

SIGNATURE: _____

TYPE/PRINT NAME: _____

TITLE: _____

COMPANY: _____

ADDRESS: _____

TELEPHONE NO.: _____

FAX NO.: _____

EMAIL: _____