

AN ORDINANCE **2008-09-04-0747**

ACCEPTING THE BIDS FROM GRANDE TRUCK CENTER AND SANTEX TRUCK CENTER, LTD. TO PROVIDE THE PUBLIC WORKS AND PARKS AND RECREATION DEPARTMENTS WITH MEDIUM AND HEAVY DUTY DIESEL POWERED TRUCKS FOR A COST OF \$1,977,993.00, FROM THE EQUIPMENT RENEWAL REPLACEMENT FUND.

* * * * *

WHEREAS, bids were submitted to provide the City of San Antonio Public Works and Parks and Recreation Departments with medium and heavy duty diesel powered trucks; and

WHEREAS, the bid submitted by Santex Truck Center, Ltd. for Item 2B failed to meet the City specifications; and

WHEREAS, Grande Truck Center (items 2A, 2B, 7 and 9) and Santex Truck Center, LTD (item 3) were the low responsive bidders for a total cost of \$1,977,993.00; **NOW THEREFORE:**

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF SAN ANTONIO:

SECTION 1. The low, responsive bids from Grande Truck Center (items 2A, 2B, 7 and 9) and Santex Truck Center, LTD (item 3) to provide the City of San Antonio Public Works and Parks and Recreation Departments with medium and heavy duty diesel powered trucks for a total of \$1,977,993.00 are hereby accepted, subject to and contingent upon the deposit of all required bonds, performance deposits, insurance certificates and endorsements. The bids and bid tabulation sheets are attached hereto and incorporated herein for all purposes as Exhibit I.

SECTION 2. It has been found and declared that the low bid from Santex Truck Center, Ltd. for Item 2B failed to meet the City's specifications.

SECTION 3. Funding for this ordinance is available in Fund 72001000 Equipment Renewal, Cost Center 1503200001 Administration, General Ledger 5709090 M&E Auto as part of the FY08 Budget. Payments not to exceed the budgeted amount are authorized and should be encumbered with a purchase order.

SECTION 4. The financial allocations in this Ordinance are subject to approval by the Director of Finance, City of San Antonio. The Director may, subject to concurrence by the City Manager or the City Manager's designee, correct allocations to specific Cost Centers and Fund Numbers as necessary to carry out the purpose of this Ordinance.

SECTION 5. This ordinance shall take effect September 14, 2008.

PASSED AND APPROVED this 4th day of September, 2008.



M A Y O R

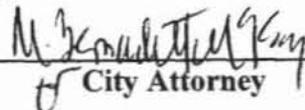
PHIL HARDBERGER

ATTEST:



City Clerk

APPROVED AS TO FORM:



City Attorney



Agenda Voting Results - 10

Name:	6, 7, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 32A, 32B, 32D						
Date:	09/04/2008						
Time:	10:15:15 AM						
Vote Type:	Motion to Approve						
Description:	An Ordinance accepting the bids from Grande Truck Center and Santex Truck Center, Ltd. to provide the Public Works and Parks and Recreation Departments with medium and heavy duty diesel powered trucks for a cost of \$1,977,993.00, from the Equipment Renewal Replacement Fund. [Sharon De La Garza, Assistant City Manager; Janie Cantu, Director, Purchasing & Contract Services]						
Result:	Passed						
Voter	Group	Not Present	Yea	Nay	Abstain	Motion	Second
Phil Hardberger	Mayor		x				
Mary Alice P. Cisneros	District 1		x				x
Sheila D. McNeil	District 2		x			x	
Jennifer V. Ramos	District 3		x				
Philip A. Cortez	District 4		x				
Lourdes Galvan	District 5		x				
Delicia Herrera	District 6		x				
Justin Rodriguez	District 7		x				
Diane G. Cibrian	District 8		x				
Louis E. Rowe	District 9		x				
John G. Clamp	District 10		x				

Exhibit I

CITY OF SAN ANTONIO BID TABULATION

Opened: May 30, 2008	For: Medium & Heavy Duty Trucks	Bid # 3	Bid # 1	Bid # 2	Bid # 1	Bid # 2
		Grande Truck Center P.O. Box 201210 78220 (210) 666-7112	Freightliner of San Antonio, LTD 8700 IH 10 East Converse, TX 78109 (210) 277-4373	Cooper Equipment Co. 117474 Judson Rd. 78247 (210) 657-5151	Freightliner of San Antonio, LTD 8700 IH 10 East Converse, TX 78109 (210) 277-4373	Freightliner of San Antonio, LTD 8700 IH 10 East Converse, TX 78109 (210) 277-4373
Item	Description	QTY				
1	Deleted					
2A	Cab and Chassis, Min 52,000 Lbs. GVWR, 102" usable cab to axle	6				
	Price Each					
	Price Total					
	Less trade in Unit #1196:					
	Less trade in Unit #1200:					
	Less trade in Unit #1222:					
	Less trade in Unit #1226:					
	Less trade in Unit #1231:					
	Less trade in Unit #1198:					
	Total Less trade-ins:					
	Make of Cab & Chassis					
	Model of Cab & Chassis					
	Make of Transmission					
	Model of Transmission					
	Make of Engine					
	Model of Engine					
	Make of Body					
	Model of Body					
	Delivery					
2B	Cab and Chassis, Min 52,000 Lbs. GVWR, 120" usable cab to axle with winch	3				
	Price Each					
	Price Total					
	Less trade in Unit #1257:					
	Less trade in Unit #1335:					
	Less trade in Unit #1391:					
	Total Less trade-ins:					
	Make of Cab & Chassis					
	Model of Cab & Chassis					
	Make of Transmission					
	Model of Transmission					
	Make of Engine					
	Model of Engine					
	Make of Body					
	Model of Body					
	Delivery					

CITY OF SAN ANTONIO BID TABULATION

Opened: May 30, 2008 For: Medium & Heavy Duty Trucks 08-054		ND ND	Hall Volvo GMC 5721 Hwy 31 West Tyler, TX 75709 (903) 592-6151	Sterling & Western Star of Austin, Ltd. 1700 Smith Rd. Austin, TX 78721 (888) 661-8611x134 78294	Terex Utilities, Inc. P.O. Box 1119 San Antonio, TX (210) 476-7777
Item	Description	QTY			
7	Cab & Chassis, Min 35,000 GVWR Lbs. Digger Derrick, 120" cab to axle Price Each Price Total Less trade in Unit #1449: Total Less trade-ins: Make of Cab & Chassis Make of Transmission Model of Transmission Make of Engine Model of Engine Make of Body Model of Body Delivery	1	No Bid	\$166,844.00 \$166,844.00 \$25,000.00 \$141,844.00 Sterling Acterra Allison Allison 3000 RDS Cummins ISC-315 Altec D2045 240-270 days	\$147,180.00 \$147,180.00 \$27,000.00 \$120,180.00 2009 Sterling Acterra Allison Allison 3000 Series RDS Cummins Cummins 8.3 300 HP Terex Telelect CMDR 4042 240-270 days
8	Deleted				
9	Cab & Chassis, Min 35,000 Lbs GVWR, with Fuel & Lube Bodies Price Each Price Total Less trade in Unit#1091 Less trade in Unit#1092 Total Less trade-ins: Make of Cab & Chassis Model of Cab & Chassis Make of Transmission Model of Transmission Make of Engine Model of Engine Make of Body Model of Body Delivery	2	No Bid	\$129,321.00 \$258,642.00 No Bid No Bid \$258,642.00 Sterling Acterra Allison Allison 3000 RDS Cummins Cummins ISC 315 HP CTE Lube & Fuel Body 150-180 days	No Bid
Estimated Total Award					

Bid #3

CITY OF SAN ANTONIO PURCHASING & CONTRACT SERVICES DEPARTMENT

Issued By: ND
BID NO.: 08-054

Date Issued: May 5, 2008
Page 1 of 57

FORMAL INVITATION FOR BIDS
MEDIUM AND HEAVY DUTY TRUCKS

Sealed bids in triplicate, subject to the Terms and Conditions of this Invitation for Bids and other contract provisions, will be received at the City Clerk, City Hall until 2:00 P.M. Central Time May 23, 2008.

The City of San Antonio Purchasing & Contract Services Department is willing to assist any bidder(s) in the interpretation of bid provisions or explanation of how bid forms are to be completed. Assistance may be received by visiting the Purchasing Office in the City Hall Annex, 131 W. Nueva, or by calling (210) 207-7260.

It is the policy of the City of San Antonio to involve qualified Small, Minority, Woman-owned, and local business in construction, procurement, professional services, and leases and concessions contracting. The City of San Antonio has established the following minority business enterprise (MBE), woman business enterprise (WBE), African-American business enterprise (AABE), and small business enterprise (SBE) utilization goals:

MBE Goal: 15% WBE Goal: 10%
AABE Goal: 3% SBE Goal: 50%

This invitation includes the following:

- Invitation for Bids
- Terms and Conditions of Invitation for Bids
- Specifications and General Requirements
- Price Schedule

The undersigned, by his/her signature, represents that he/she is authorized to bind the Bidder to fully comply with the Specifications and General Requirements for the amount(s) shown on the accompanying bid sheet(s). By signing below, Bidder has read the entire document and agreed to the terms therein.

Signer's Name: Keith Shoffstall Firm Name: Grande Truck Center
 (Please Print or Type)
 Address: P.O. Box 201210
 Signature of Person Authorized to Sign Bid: Keith Shoffstall City, State, Zip Code: SAN ANTONIO, TEXAS 78220
 Email Address: rshoffstall@grandetruck.com Telephone No.: 210-666-7112
 Fax No.: 210-666-7216

Please complete the following:
Prompt Payment Discount: 25% 10 days. (If no discount is offered, Net 30 will apply.)

Please check the following blanks which apply to your company:

Ownership of firm (51% or more):
 Non-minority Hispanic African-American Other Minority (specify) _____
 Female Owned Handicapped Owned Small Business (less than \$1 million annual receipts or 100 employees)
 Indicate Status: Partnership Corporation Sole Proprietorship Other (specify) _____
 Tax Identification Number: 74-1586422

FOR CITY USE ONLY

AWARD

Items Accepted:	Ordinance No:	Date:	Amount:
Approved: _____			CITY OF SAN ANTONIO

TERMS AND CONDITIONS OF INVITATION FOR BIDS**READ CAREFULLY****1. GENERAL CONDITIONS**

Bidders (hereinafter "bidders", "vendors" or "contractors") are required to submit their bids upon the following expressed conditions:

- (a) Bidders shall thoroughly examine the drawings, specifications, schedule(s), instructions and all other contract documents.
- (b) Bidders shall make all investigations necessary to thoroughly inform themselves regarding plant and facilities for delivery of material and equipment as required by the bid conditions. No plea of ignorance by the bidder of conditions that exist or that may hereafter exist as a result of failure or omission on the part of the bidder to make the necessary examinations and investigations, or failure to fulfill in every detail the requirements of the contract documents, will be accepted as a basis for varying the requirements of the City or the compensation to the vendor.
- (c) Bidders are advised that all City contracts are subject to all legal requirements provided for in the City Charter and/or applicable City Ordinances, state and federal statutes. Any bid, after being opened, becomes subject to the Public Information Act, Government Code Chapter 552; therefore bidders must clearly indicate any portion of the submitted bid that the bidder claims is not subject to public inspection under the Public Information Act.
- (d) No officer or employee of the City shall have a financial interest, direct or indirect, in any contract with the City, or shall benefit financially, directly or indirectly, in the sale to the City of any materials, supplies or services, except on behalf of the City as an officer or employee. This prohibition extends to the City Public Service Board, San Antonio Water System, and all City boards and commissions other than those which are purely advisory. In this instance a City employee is defined as any employee of the City who is required to file a financial involvement report pursuant to the City's ethics ordinance.

2. PREPARATION OF BIDS

Bids will be prepared in accordance with the following:

- (a) All information required by the bid form shall be furnished or the bid may be deemed non responsive. The bidder shall print or type name and manually sign the schedule.
- (b) Where there is an error in extension of price, the unit price shall govern. Any bid that is considered for award by each unit or line item, must include a price for each unit or line item for which the bidder wishes to be considered. Any ambiguity in the bid as a result of omission, error, unintelligible or illegible wording shall be construed in the favor of the City.

Any bid that is considered for award on an "all or none" basis must include a price quote for all units or line items. In an "All or None" bid, a unit price left blank shall be tabulated as a "zero", and shall be deemed to be offered at no cost to the City.

- (c) Alternate bids may be allowed at the sole discretion of the City.

- (d) Proposed delivery time must be shown and shall include weekends and holidays, unless specified otherwise in this IFB.
- (e) Bidders will neither include federal taxes nor State of Texas limited sales excise and use taxes in bid prices since the City of San Antonio is exempt from payment of such taxes. An exemption certificate will be signed by City where applicable upon request by bidder.

3. DESCRIPTION OF SUPPLIES

Any catalog or manufacturer's reference used in describing an item is merely descriptive, and not restrictive, unless otherwise noted, and is used only to indicate type and quality of material. Each bid must clearly identify the proposed product, the quantity of the product, model, and type, as applicable. Prorata adjustments to packaging and pricing may be allowed at the sole discretion of the City.

4. ASSURANCE OF COMPLIANCE - EQUAL EMPLOYMENT OPPORTUNITY AND SMALL AND/OR MINORITY BUSINESS ADVOCACY REQUIREMENTS

It is the policy of the City of San Antonio that Small and/or Minority Business Enterprises shall have the maximum practicable opportunity to participate in the performance of public contracts. Bidder agrees that if this bid is accepted, he/she will not engage in employment practices which have the effect of discriminating against employees or prospective employees because of race, color, religion, national origin, sex, age, handicap or political belief or affiliation. In addition, bidder agrees, by submittal of this bid, that he/she will abide by all applicable terms and provisions of this Nondiscrimination Clause and the Small Business Advocacy Clause. These clauses are available in the City's Department of Economic and Employment Development and the City Clerk's Office.

5. SAMPLES, DEMONSTRATIONS AND TESTING

At the City's request and direction, bidder shall provide product samples and/or testing of items bid to ensure compliance with specifications. Samples, demonstrations and/or testing may be requested prior to award of the contract, upon delivery and/or at any point during the term of resulting contract. After notification, samples, demonstrations and/or testing must be provided within ten days. Failure to provide samples prior to award of contract will disqualify bidder from consideration. All samples (including return thereof), demonstrations and/or testing shall be at the expense of the bidder. Samples will be returned upon request; otherwise, samples will become property of the City of San Antonio, ten days after award of the contract.

6. SUBMISSION OF BIDS

- (a) **Bids in triplicate** shall be enclosed in sealed envelopes addressed to the City Clerk, City of San Antonio. The name and address of bidder, the date and hour of the bid opening, bid number and title of the bid solicitation shall be marked on the outside of the envelope(s).
- (b) Bids must be submitted on the forms furnished. Bids, however, may be modified provided such modifications are sealed and received by the City Clerk prior to the time and date set for the bid opening. However, the City of San Antonio shall not be responsible for lost or misdirected bids or modifications.
- (c) By submittal of this bid, bidder certifies to the best of his/her knowledge that all information is true and correct.

7. REJECTION OF BIDS

- (a) The City may reject a bid if:
1. The bidder misstates or conceals any material fact in the bid; or
 2. The bid does not strictly conform to law or the requirements of the bid;
 3. The bid is conditional, except that the bidder may qualify the bid for acceptance by the City on an "All or None" basis or a "Best Value Item" basis. An "All or None" basis bid must include all items upon which bids are invited.
- (b) In the event that a bidder is or subsequently becomes delinquent in the payment of his, her or its City taxes, including state and local sales taxes, such fact shall constitute grounds for rejection of the bid, or if awarded the bid, for cancellation of the contract. However, the City reserves the right to deduct any delinquent taxes from payments that the City may owe to the delinquent bidder as a result of such contract.
- (c) The City may, reject all bids whenever it is deemed in the best interest of the City to do so, and may reject any part of a bid unless the bid has been qualified as provided in Par. 7 (a) 3 above. The City at its sole discretion may also waive any minor informalities or irregularities in any bid, to include failure to submit sufficient bid copies, failure to submit literature or similar attachments, or business affiliation information.

8. WITHDRAWAL OF BIDS

Bids may not be withdrawn after the time set for the bid opening, unless approved by the City Council.

9. LATE BIDS OR MODIFICATIONS

Bids and modifications received after the time set for the bid opening will not be considered.

10. CLARIFICATION TO BID SPECIFICATIONS

- (a) If any person contemplating submitting a bid for this contract is in doubt as to the true meaning of the specifications, other bid documents, or any part thereof, he/she may submit to the City Director of Purchasing and Contract Services, (Director) on or before seven calendar days prior to scheduled opening, a request for clarification. All such requests for information shall be made in writing and the person submitting the request will be responsible for its prompt delivery. Any interpretation of the bid, if made, will be made only by Addendum duly issued. A copy of such Addendum will be mailed or delivered to each person receiving bids. The City will not be responsible for any other explanation or interpretation of the proposed bid made or given prior to the award of the contract. Any objections to the specifications and requirements as set forth in this bid must be filed in writing with the Director on or before seven calendar days prior to the scheduled opening.
- (b) The City reserves the right to request clarification to assist in evaluating the bidder's response when the bid response is unclear with respect to product pricing, packaging or other factors. The information provided is not intended to change the bid response in any fashion and such information must be provided within two days from request.

11. DISCOUNTS

- (a) In connection with any discount offered, time will be computed from the date of receipt of supplies or services, or from the date a correct invoice is received, whichever is the later date. Payment is deemed to be made on the date of mailing of the check.

12. AWARD OF CONTRACT

- (a) Per Section § 252.043 of the Texas Local Government Code, the contract will be awarded to either the lowest responsible bidder or to the bidder who provides goods and/or services at the best value for the City. In determining best value, the City may consider price, reputation, quality, past relationship with City, SBEDA requirements, long term cost and any other relevant factors.
- (b) The City reserves the right to accept any item or group of items on this bid, unless the bidder qualifies his/her bid by specific limitations, in accordance with Par.7 (a) 3 above.
- (c) A written award of acceptance (manifested by a City Ordinance) and appropriation mailed or otherwise furnished to the successful bidder results in a binding contract without further action by either party.
- (d) The City of San Antonio reserves the right to utilize previous purchases as a basis for evaluation of bids when future usages are unable to be determined.
- (e) Breaking of tie bids shall be in accordance with the Texas Local Government Code § 271.901.
- (f) Although the information furnished to bidders specified the approximate quantities needed, based on the best available information where a contract is let on a unit price basis, payment shall be based on the actual quantities supplied. The City reserves the right to delete items, prior to the awarding of the contract, and purchase said items by other means; or after the awarding of the contract, to increase or decrease the quantities bid in accordance with § 252.048 of the Texas Local Government Code. No changes shall be made without written notification of the City.

13. CONTRACT TERMINATION**TERMINATION-BREACH:**

- (a) Should vendor fail to fulfill in a timely and proper manner, as determined solely by the Director, its obligations under this contract, or violate any of the terms of this contract, the City shall have the right to immediately terminate the contract. Notice of termination shall be provided in writing to the contractor, effective upon the date set forth in the notice. Such termination shall not relieve the vendor of any liability to the City for damages sustained by virtue of any breach by the vendor.

TERMINATION-NOTICE:

- (b) The City may terminate this contract without cause. The City shall be required to give the vendor notice ten days prior to the date of termination of the contract without cause.

TERMINATION-FUNDING:

- (c) City retains the right to terminate this contract at the expiration of each of City's budget periods. This contract is conditioned on a best efforts attempt by City to obtain and appropriate funds for payment of any debt due by City herein.

14. DELIVERY OF GOODS/SERVICES

- (a) All materials are to be delivered F.O.B., City of San Antonio's designated facility.
- (b) Delivery dates pertaining to this invitation must be clearly stated in the bid form where required and include weekends and holidays. Failure to comply with this requirement may be a cause for disqualification of the bid. Unless otherwise specified, delivery at the earliest date is required. The bidder will clearly state in the bid the time required for delivery upon receipt of contract or purchase order. Proposed delivery time must be specific and such phrases "as required", "as soon as possible" or "prompt" may result in disqualification of the bid.
- (c) Upon award of a contract, the vendor is obligated to deliver the goods to the destination specified in the Invitation for Bids or the Purchase Order and bears the risk of loss until delivery. If this Invitation for Bids or Purchase Order does not contain delivery instructions, bidders shall request instructions in writing from the Director. If the delivery instructions contained in the Invitation for Bids allocate delivery costs and risks in a manner contrary to this section, the provisions of this Invitation for Bids shall prevail.
- (d) When delivery is not met as provided for in the contract, the Purchasing Department reserves the right to make the purchase on the open market, with any cost in excess of the contract price paid by the vendor, in addition to any other damages, direct or consequential, incurred by the City as a result thereof. In addition, failure of the vendor to meet the contract delivery dates will be cause for removal of the vendor from the City's list of eligible bidders as determined by the Purchasing & Contract Services Department.

15. PERFORMANCE DEPOSIT

- (a) The following provisions shall apply only when a performance deposit is specified as required in this Invitation for Bids.
- (b) The successful vendor must furnish the City of San Antonio with a performance deposit in the amount set forth in the Invitation For Bids. This deposit is not to be submitted with the bid, but must be presented to the Purchasing & Contract Services Department within ten days from request.
- (c) The City of San Antonio will not enter into a contract or issue a purchase order until the successful vendor has complied with the performance deposit provisions.
- (d) The performance deposit shall be in the form of a performance bond (in a form acceptable to the City Attorney), cashier's check, certified check upon a state or national bank or trust company, or a check on such bank or trust company signed by a duly authorized officer thereof (checks to be drawn payable to the City of San Antonio), or a Certificate of Deposit from such bank or trust company assigned to the City of San Antonio, or an irrevocable letter of credit from a state or national bank or trust company.
- (e) The performance deposit of the successful vendor shall be returned by the City upon completion of the contract and final acceptance of all items in accordance with conditions thereof.

- (f) Failure of successful vendor to perform any of the services required by this contract within ten days of receipt of written demand for performance from City, or failure of vendor to correct or replace defective goods or products within ten days from receipt of written demand therefore, shall constitute a total breach of this contract and shall cause this contract to terminate immediately upon the expiration of the ten day period. In the event of such termination, the performance deposit shall be retained by the City of San Antonio as liquidated damages, based upon mutual agreement and understanding between vendor and City at the time this bid is solicited, submitted and accepted, that the City of San Antonio is a governmental agency engaged in public projects, and that the measurement of damages, which might result from a breach of the terms and specifications herein is difficult or impossible to determine. However, the Director with the concurrence of the City Manager, may return all or part of the performance deposit to the vendor if the Director determines, in the Director's sole discretion, that the failure to perform the conditions of this contract was the result of acts or events over which the vendor had no control. The determination shall then be final and binding on all parties.

16. INDEPENDENT CONTRACTOR

It is expressly understood and agreed by both parties hereto that the City is contracting with the successful vendor as an independent contractor. The parties hereto understand and agree that the City shall not be liable for any claims which may be asserted by any third party occurring in connection with the services to be performed by the successful vendor under this contract and that the successful vendor has no authority to bind the City.

17. BID RESULT REQUEST

Any party who wishes to be provided documents relating to the bid results shall make a request in writing. Pursuant to state law, the City may assess a fee in order to recoup the cost related to providing the requested information.

18. PATENTS/COPYRIGHTS

The successful vendor agrees to indemnify and hold the City harmless from any claim involving patent infringement or copyrights on goods supplied.

19. INDEMNIFICATION

BIDDER covenants and agrees to FULLY INDEMNIFY and HOLD HARMLESS, the CITY and the elected officials, employees, officers, directors, volunteers and representatives of the CITY, individually and collectively, from and against any and all costs, claims, liens, damages, losses, expenses, fees, fines, penalties, proceedings, actions, demands, causes of action, liability and suits of any kind and nature, including but not limited to, personal or bodily injury, death and property damage, made upon the CITY directly or indirectly arising out of, resulting from or related to BIDDER'S activities under this contract, including any acts or omissions of BIDDER, any agent, officer, director, representative, employee, consultant or subcontractor of BIDDER, and their respective officers, agents employees, directors and representatives while in the exercise of performance of the rights or duties under this contract. The indemnity provided for in this paragraph shall not apply to any liability resulting from the negligence of CITY, its officers or employees, in instances where such negligence causes personal injury, death, or property damage. IN THE EVENT BIDDER AND CITY ARE FOUND JOINTLY LIABLE BY A COURT OF COMPETENT JURISDICTION, LIABILITY SHALL BE APPORTIONED COMPARATIVELY IN ACCORDANCE WITH THE LAWS FOR THE STATE OF TEXAS, WITHOUT, HOWEVER, WAIVING ANY GOVERNMENTAL IMMUNITY AVAILABLE TO THE CITY UNDER TEXAS LAW AND WITHOUT WAIVING ANY DEFENSES OF THE PARTIES UNDER TEXAS LAW.

The provisions of this INDEMNITY are solely for the benefit of the parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity. BIDDER shall advise the CITY in writing within 24 hours of any claim or demand against the CITY or BIDDER known to BIDDER related to or arising out of BIDDER's activities under this contract, and shall see to the investigation and defense of such claim or demand at BIDDER's cost. The CITY shall have the right, at its option and at its own expense, to participate in such defense without relieving BIDDER of any of its obligations under this paragraph.

20. INSURANCE

If required, specific insurance provisions will be included in bid specifications. An original, certified copy of an insurance certificate meeting the requirements set forth in these specifications will be submitted within 10 days upon request. The successful vendor will be required to maintain, at all times during performance of the contract, the insurance detailed in bid specifications. Failure to provide this document may result in disqualification of bid

21. ACCEPTANCE BY CITY

The City shall have a reasonable time (but not less than 30 days) after receipt to inspect the goods and services tendered by vendor. The City at its option may reject all or any portion of such goods or services which do not, in City's sole discretion, comply in every respect with all terms and conditions of the contract. The City may elect to reject the entire goods and services tendered even if only a portion thereof is nonconforming. If the City elects to accept nonconforming goods and services, the City, in addition to its other remedies, shall be entitled to deduct a reasonable amount from the price thereof to compensate the City for the nonconformity. Any acceptance by the City, even if non-conditional, shall not be deemed a waiver or settlement of any defect in such goods and services.

22. WARRANTY

The supplies or services furnished under this contract shall be covered by the most favorable commercial warranties given to any customer for same or similar supplies or services.

REJECTION OF DISCLAIMERS OF WARRANTIES & LIMITATIONS OF LIABILITY. ANY TERM OR CONDITION IN ANY DOCUMENT FURNISHED BY VENDOR, DISCLAIMING THE IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR ATTEMPTING TO LIMIT VENDOR'S LIABILITY SHALL BE OF NO FORCE OR EFFECT, AND SHALL BE STRICKEN FROM THE CONTRACT DOCUMENTS AS IF NEVER CONTAINED THEREIN.

23. CHANGE ORDERS

No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders will be made in writing by the City of San Antonio Purchasing & Contract Services Department.

24. ASSIGNMENT

Except as otherwise stated herein, Vendor may not sell, assign, pledge, transfer or convey any interest in this contract, nor delegate the performance of any duties hereunder, by transfer, by subcontracting or any other means, without the consent of Director. As a condition of such consent, if such consent is granted, Vendor shall remain liable for completion of the services and provision of goods outlined in this contract in the event of default by the

successor vendor, assignee, transferee or subcontractor. Any attempt to transfer, pledge or otherwise assign this Contract without said written approval, shall be void and shall confer no rights upon any third person.

25. INTERLOCAL PARTICIPATION

- (a) The City may, from time to time, enter into Interlocal Cooperation Purchasing Agreements with other governmental entities or governmental cooperatives (hereafter collectively referred to as "Entity" or "Entities") to enhance the City's purchasing power. At the City's sole discretion and option, City may inform other Entities that they may acquire items listed in this Invitation for Bids (hereafter "IFB"). Such acquisition(s) shall be at the prices stated herein, and shall be subject to bidder's acceptance. Entities desiring to acquire items listed in this IFB shall be listed on a rider attached hereto, if known at the time of issuance of the IFB. City may issue subsequent riders after contract award setting forth additional Entities desiring to utilize this bid. VENDOR shall sign and return any subsequently issued riders within ten calendar days of receipt.
- (b) In no event shall City be considered a dealer, remarketer, agent or other representative of Vendor or Entity. Further, City shall not be considered and is not an agent; partner or representative of the Entity making purchases hereunder, and shall not be obligated or liable for any such order.
- (c) Entity purchase orders shall be submitted to Vendor by the Entity.
- (d) Vendor authorizes City's use of Vendor's name, trademarks and Vendor provided materials in City's presentations and promotions regarding the availability of use of this contract. The City makes no representation or guarantee as to any minimum amount being purchased by City or Entities, or whether Entity will purchase utilizing City's contract.

CITY WILL NOT BE LIABLE OR RESPONSIBLE FOR ANY OBLIGATIONS, INCLUDING, BUT NOT LIMITED TO, PAYMENT, AND FOR ANY ITEM ORDERED BY AN ENTITY OTHER THAN CITY.

26. QUESTIONS

Questions regarding interpretation of bids, bid results or bid awards should be directed to the Purchasing & Contract Services Department at (210) 207-7260.

SPECIFICATIONS AND GENERAL REQUIREMENTS

SCOPE: The City of San Antonio is soliciting bids to furnish medium and heavy duty trucks in accordance with the specifications listed herein. These vehicles include cab and chassis, dump trucks, platform bodies, refuse trucks, and fuel and lube trucks. They will be utilized by various City departments including Parks, Public Works, and Solid Waste Management Departments.

GENERAL CONDITIONS: The following general conditions will apply to all items within this bid unless specifically excluded within any item.

1. Equipment shall be manufacturer's latest design, standard production model and shall have been manufactured within the last twelve (12) months. All components shall be installed new, unused, and shall be manufacturer's standard equipment unless otherwise specified or replaced herein. Equipment is to be inspected, serviced, and adjusted in accordance with manufacturer's recommended pre-delivery checklist, and ready for operation upon delivery. Manufacturer's Statement of Origin (MSO) showing manufacture within the last 12 calendar months, and completed pre-delivery checklists for chassis and body will be required at delivery. Equipment offered under the below listed specifications will be considered unacceptable if, for any reason, the equipment's, or major component's, long term availability on the U.S. market, or in the local area, is in doubt.
2. Warranty and Parts Dealer and manufacturer must provide the maximum standard manufacture's warranty on all components parts and service included. All components, parts and service are required to provide as a minimum one year unlimited mileage warranty. All warranty times to start the date the vehicle is placed in service, not on the delivery date. The dealer will be notified by letter of the in-service date of each vehicle by serial number. Warranty will be fully explained by attaching separate, authenticated correspondence or entering such information in the remarks section of this bid. Warranty, reliability, and replacement captive parts costs and availability shall be a consideration in award of this bid. Warranty parts and service must be available within Bexar County from and by a factory-authorized dealer (**NO EXCEPTIONS**). All warranty repairs will be completed within three (3) days from the date equipment is delivered to the vendor unless otherwise approved by the appropriate City of San Antonio maintenance superintendent. Bidders will certify that all repairs needed after the warranty period will be available within Bexar County.

DEALER NAME: Grande Truck Center

ADDRESS: 4542 IH 10 EAST SAN ANTONIO, TEXAS 78219
See Attached Letter for body dealers in Bexar County

3. **Delivery - All deliveries are to be made inside the City limits of San Antonio. Vendor must deliver equipment to Brooks City Base, 8220 Lindbergh Landing, Building 1106; San Antonio, TX 78235. Delivery to a non-specified location will result in non-acceptance of the equipment by the City. All deliveries must be pre-arranged with a minimum 24-hour notification, NO EXCEPTIONS. Vehicles with more than 2000 miles accumulated on the odometer will not be accepted. All vehicles are required to have a full tank of fuel.**

4. All prices will be quoted F.O.B., designated City facility, freight prepaid. All bids will be submitted in triplicate and will include complete manufacturer's specifications for each model being bid. City of San Antonio reserves the right to increase or decrease quantity of units being purchased through December 31, 2008, depending on availability of funds. Prices may not be increased during this period; however, the City should benefit from any price decrease. Additional units may be purchased on an "as needed" basis. Successful vendor is required to notify the City of all production "cut-off" dates necessary for order submission.
5. All units to be equipped at the factory with air conditioning, full headliner, fresh air heater and defroster units, minimum AM/FM OEM radio. **All lights on cab and chassis and / or bodies are to be of light emitting diode (L.E.D.) type, except front turn signals.**
6. The Manufacturer's Statement of Origin (MSO) and an invoice are required upon delivery of each unit and before payment can be processed.
7. All accessories and equipment will be OEM. The manufacturer will rate all equipment provided as low emission.
8. Equipment Manuals – An operator's manual per unit, to include a parts and maintenance manual or CD ROM per model of all equipment, accessories, and components will be required. ~~All software to diagnose and adjust engine, transmission, anti-lock brakes and any systems that require software must be included in this bid for five (5) repair centers.~~
9. Air Conditioning – Air conditioning with integral heater and defroster units supplied under this specification to be OEM installed and designed for use with R-134A refrigerant. System must be capable of maintaining a temperature inside the operator cab of 70° F or less with an ambient temperature of not less than 95° F with a relative humidity of not less than 90%. As a minimum, system must have a radiator-mounted condenser, 3-speed fan and variable thermostat. If radiator mounted condenser is not practical, remote mount must be approved by the Fleet Maintenance and Operations Manager before installation. Roof mounted units not acceptable. All air conditioner components to be compatible and recommended for end item. All tractors and trucks in this bid must be equipped with this air conditioning and heater.
10. Maximum capacity cooling system offered by manufacturer.
11. Under this bid the left and right side is determined by sitting in the operator seat.
12. Vehicles to be equipped with State Inspection Decal.
13. Unless otherwise specified under individual items, vehicles provided will have a minimum of a driver's seat and one passenger seat.
14. All platform bodies are required to meet the following minimum specifications, unless otherwise specified; diamond plate to be minimum 3/16" with permanent all steel headboard, full width, with expanded metal window.

15. A pre-bid conference will be conducted at 10:00 A.M., May 12, 2008. Location will be at Fleet Maintenance and Operations, 329 S. Frio, San Antonio, Texas.
16. The City of San Antonio reserves the right to retain any trade-in units and accept equipment offered by the dealer, based on price quotations for the new equipment only, without consideration for trade-in values offered, or to use a combination of quoted new equipment price less trade-in offers, whichever is most advantageous to the City. Bids for outright purchase of trade-in equipment will be considered.
17. Under this bid, the City reserves the right to reject any bids and to waive irregularities and any requirements of the bid if deemed to be in the best interest of the City.
18. Transmission temperature gauge ~~or light~~ required on all automatic transmissions.
19. All trucks, tractors, and cab and chassis to be equipped with the following additional equipment unless specified otherwise in bid:
 - A. Air and electric horns required.
 - B. Integral power steering.
 - C. Turn indicators, front and rear, stop and tail lights.
 - D. Windshield washers and variable speed wipers.
 - E. Tachometer.
 - F. Adjustable steering column. (Tilt only)
 - G. Cigar lighter/power receptacle for use with cell phone.
 - H. Water temperature, oil pressure, volt or amp gauges, and hour meter.
 - I. Back up alarm.
 - J. Minimum AM/FM radio.
 - K. DOT reflector flare kit, securely mounted inside cab.
 - L. 5 lb. fire extinguisher, securely mounted inside cab.
 - M. Tinted glass.
 - N. Insulated cab headliner.
 - O. All lights on cab and chassis and/or bodies are to be of light emitting diode (L.E.D.) type, except front turn signals.
 - P. Minimum O.E.M., or equal, shut down for high coolant temperature, low oil pressure. Engine fuel solenoid must be de-energized and engine automatically stopped when any of the functions being monitored are unsafe per the manufacturer's specifications, system must provide time limited override. System must provide audible and visual alarms for thirty seconds prior to shutdown.
 - Q. All automatic transmissions must use and be delivered with synthetic oil.
 - R. Three (3) sets of keys.
 - S. Bug Screen
 - T Front Tow Hooks
 - u Air ride driver seat
 - v 8" Convex mirror below primary mirror
 - Fender mirror Rlt side

ITEM	QUANTITY	DESCRIPTION
1	3 Each	Minimum 35,000 lbs GVWR Lbs., 7 CY Dump. Trucks

SPECIFICATIONS CAB AND CHASSIS:

1. Engine – In line six (6) cylinder, minimum ^{7.6} ~~8.0~~ liters, diesel, minimum ²⁴⁰ ~~265~~ net HP rated at manufacturers recommended RPM, producing a minimum of 800 lb. ft. of gross torque, automatic viscous or on/off fan clutch. Cooling system to be the maximum capacity offered by the manufacturer to include water filter/conditioner with replaceable, spin-on filter. Configuration being offered must be certified by the engine and transmission manufacturers for this application. System to be protected to -20° F. ~~ON/OFF FAN CLUTCH~~
2. Transmission – Allison ³⁵⁰⁰ ~~2500~~ RDS, or proven equal, ~~with spin-on in-line filter.~~
3. Front Axle - Minimum 12,000 lbs., equipped with hub piloted steel hubs, out-board mount type brake drums with Stemco or equal front wheel visible cap bearing oiler. ~~FT SHOCKS I.D.~~
4. Rear Axle - Minimum 23,000 lbs, gear ratio installed must be capable of 68 MPH +/-2 MPH geared road speed at full engine governed RPM. Equipped with hub piloted steel hubs, out-board mount type brake drums. Stemco or equal oil seals.
5. Suspension – Equipped with manufacturer's heavy duty suspension applicable to axle ratings and overall gross vehicle weight.
6. Brakes - Full air, S-cam type, manufacturer's heavy duty brake shoes, spring set parking brakes. Front and rear Rockwell or equal, automatic slack adjusters. Minimum 13 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, and equipped with manual pull chains accessible from side of truck. Spring set parking brakes. All brake drums to be cast iron. Brake linings to be non-asbestos. Quick connect couplings to be located in a protected area near the front bumper. Couplings will not be mounted to the bumper. Male coupling 1/2" to air tanks, female coupling 1/2" to the air valve. ~~Equipped with glad hands suitable for ABS brakes.~~ ^{7 pin, Elect Brake Control}
7. Wheels & Tires - Wheels to be 10 hole hub piloted steel disk wheel, minimum 12R-22.5, steel belted tubeless radials, minimum load range H tires. Front tires to be conventional tread. Rear dual wheel application to be on-off, self-cleaning, lug design (Goodyear G124 series or equal).
8. Steering - Integral power steering.
9. Frame - Minimum 1,780,000 RBM, 110,000 PSI.
10. Fuel System - To be equipped with single or dual fuel tank(s), with total minimum capacity of 80 gallons.
11. Exhaust System – Horizontal Exhaust.
12. ^{30,000 lb pintle hook}

SPECIFICATIONS HYDRAULIC DUMP BODIES, 7 CY WATER LEVEL CAPACITY, 8 CY ENDS:

1. Standard Body Construction - Body to be 10' X 7' inside and be constructed of minimum 7 gauge steel that meets the ASTM A1011 High Tensile Standard. Body shall have a 2" radius between sides and floor to provide easier and cleaner discharge of load. Sides shall be adequately side braced and rub rails be sloped dirt-free self-cleaning type. All welds shall be continuous on floor side, head seams, braces, etc., NO SKIP WELDS. Side boards to be minimum 2" x 6" x 1/4" structural rectangular tubing. Long sills shall be constructed of minimum 5" I-beam with a 1/4" web. Crossmembers shall be constructed of minimum 4" I-beam with a 3/16" web. Crossmembers to be on maximum 12" centers, must extend under rub rails and side post, be gusseted to body long sills and welded to long sills on all sides. Rear corner posts shall be a minimum of 10" wide and constructed of minimum 7 gauge steel which meets the above mentioned standard. Body shall have a half size cab protector. Body sub-frame to have external guides installed to guide body into proper alignment with sub-frame, to prevent side movement during travel.
2. Tailgate - Tailgate shall be of the double-acting type, constructed with boxed type reinforcements on all sides with a basic sheet wrapped over top and under bottom with a minimum of two vertical box braces and one horizontal box brace in center, or one vertical box brace in center and two horizontal box braces. Base section must be of the sloped, dirt-free self-cleaning type. Upper tailgate hardware to be minimum 3/4" thick, flame cut steel. Tailgate locks must be easy to manipulate and provide firm locking. Tailgate spreader chains to be attached directly under upper tailgate crossmember and configured to allow multiple positioning of tailgate to include horizontal. All welds to be continuous, no spot or skip welding.
3. Pivots and Pins - All pivots shall be equipped with grease fittings.

Rear Hinge Pins - Minimum 2" O.D.
Upper Tailgate Pins - Minimum 1" O.D.
Lower Tailgate Pins - Minimum 1-1/4" O.D.
4. Hydraulics - Hoist shall be heavy duty, double lift arm hoist, Warren Model U60-823 Class 60, or proven equal, conforming to the most current National Truck Equipment Association's (N.T.E.A.) criteria for Class 60 lifting capacity. Hoist to be type V, underbody hoist, as defined in the N.T.E.A. second edition, Dump Body Hoist Chart. Fifty degree (50 degree) dump angle +/-2 degrees, with truck chassis frame tapered at rear to form a positive stop with rails of dump box (a full mating surface is required) at maximum dump angle. NO OTHER STOP IS ACCEPTABLE. Hydraulic pump to be close couple direct mount to power take off. Pump to be Chelsea or Munci (minimum 22 GPM at 1,400 RPM) or equal, air controlled with feathering valve. Hydraulic system to include in-line hydraulic filter. Power take off to be Chelsea 277XGFJPK5RB or equal, with electronic shift controls. Pump and P.T.O. controls to be firmly mounted in cab where it is easily accessible from driver's position. Cable or rod operated controls are not acceptable. Units will be provided with safety limit equipment designed to stop the dump body at its maximum dump angle. Safety limit equipment to include a flexible wand type switch, Micro BZE6-2RN18-8631, and an air solenoid valve rated at not less than 125 PSI, Humphrey 062E-3-11-20-35, no exceptions. Hoist installation must provide for use of the entire cylinder stroke when reaching maximum dump angle. The only acceptable substitute to the above requirement for a flexible wand type switch and air solenoid valve will be for a system designed with an internal bypass stroke limit system, Perfection Dump Hoist Design or proven equal. Hoist assemblies with the tie rod design for cylinder construction are not acceptable.

with electronic overspeed

5. Other Equipment - All necessary clearance lights, marker lights, reflectors, mud flaps and mechanical backup alarm to be included and meet State Inspection requirements.
6. Work Quality - Bodies with inferior welds (i.e., pin holes and non-penetrating welds) will not be accepted. Welds on sub-frames or body components will be such as not to interfere with any other frame or body component. All components are to be new (overhauled items are NOT acceptable).
7. Dump Body Cover Assembly - Tarp system to be PullTarps, Universal Super Shield Automated Arm System, part number S9E, with steel arms, or proven equal. Motor will be mounted in the "down" position. A weather proof control panel, with a minimum 25-amp reset breaker, to operate tarp system will be located in the cab of the tractor.
8. Mud Flaps - Mud flaps manufactured of a rubber base material are to be installed on both sides of vehicle, front and rear of rear tires. Front mud flaps to have anti-sail device. Rear flaps to be free swinging. Mud flaps to be minimum 1.5 lbs. per square foot and plain black without identifying markings.
9. Trade Ins - City unit #'s 2417 and 2420 2000 International 7 cubic yard dump trucks. To view trade-in units contact Chuck Van Zandt at (210) 207-3066. For City unit # 1371 1996 International, contact Roland Mata at (210) 359-3100.

10. Bodies white in color

ITEM	QUANTITY	DESCRIPTION
2 A	6 Each	Cab and Chassis, Minimum 52,000 GVWR, 102" usable cab to axle.

SPECIFICATIONS:

1. Engine - Diesel, minimum 14 liter water cooled, minimum ⁴⁰⁰~~245~~ net horsepower rated at manufacturer's recommended RPM, producing a minimum of ~~1400~~ ft. lb. of gross torque. Nominal torque rise minimum 25%, with viscous or electro magnetic fan clutch. ¹⁵⁵⁰
2. Electrical - Units to be equipped with three (3) minimum 12-volt, heavy duty batteries (total 1800 CCA).
3. Transmission - Fuller FR-^{15210B}~~14210~~-B, or proven equal.
4. Frame - Full depth, high performance, minimum 1,600,000 RBM.
5. Clutch - Minimum 15.5", 2 plate, heavy-duty ceramic faced. Release bearing to have Zerk extension hose.
6. Front Axle - Set back front axle with minimum 12,000 lbs. capacity with 12,000 lbs. spring with Stemco or proven equal front wheel bearing oiler. ^{Ft Shocks}
7. Rear Axle - Single speed tandem drive, minimum 40,000 lbs. capacity, to be Rockwell RT 40-145 or equal. Gear ratio installed must be capable of 65 mph +/- 2 mph geared road speed at full engine governed RPM.
8. Rear Suspension - Minimum 40,000 lbs. capacity, Hendrickson RT-403 or equal. ^{H Amlany or Equal}

9. Wheels & Tires - Wheels to be 10 hole hub piloted steel disk wheel, minimum 12R-22.5, steel belted tubeless radials, minimum load range H tires, on/off highway tread design. Front wheels to be highway tread design. Rear dual wheel application to be on-off, self-cleaning, lug design (Goodyear G124 series or equal).
10. Brakes - Full air, S-cam type, manufacture's heavy duty brake shoes, spring set parking brakes. Front and rear Rockwell or equal, automatic slack adjusters. Minimum 13 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal and equipped with manual pull chains accessible from the side of the truck. Spring set parking brakes on both rear axles. All brake drums to be cast iron. Brake linings to be non-asbestos. Quick connect couplings to be located in a protected area near the front bumper. Couplings will not be mounted to the bumper. Male coupling ½" to air tanks, female coupling ½" to the air valve. Equipped with glad-hands suitable for ABS brakes.
11. Fuel System - Single left or right hand metal tank mounted under cab or dual left and right hand step tanks mounted under cab. Minimum total fuel capacity to be 70 gallons. Tank(s) must not extend more than 4" behind cab. Fuel filtration to include primary and secondary filtering systems with automatic water separator.
12. Color - OEM white.
13. Hood - Tilt type hood.
14. Exhaust System - Muffler, vertical tailpipe, heat guard, and rain cap, mounted to allow full utilization of specified cab to trunion length.
15. Cooling System - Largest capacity radiator available with coolant conditioner spin-on element.
16. Accessories - Tractor air brake system and 7-line trailer connector.
17. Fifth Wheel - ~~Holland FW 35 24.5" air slide or proven equal~~ *FW 8-740164606 32" with removable p.w or Equal*
18. Wet Kit - A truck mounted wet kit will be provided and installed. A transmission mounted PTO and direct mount pump will be installed on the truck transmission (Fuller FR14210-B) which produces 50-90% of engine RPM. A metal hydraulic reservoir to be mounted behind cab and be a minimum of 75 gallon capacity. Hydraulic controls to be mounted inside truck cab readily accessible to the driver. All valves and fittings required to make wet kit and trailer completely operational to include one female quick coupler (Aeroquip 6-5100-2516 or equal) and one male quick coupler (Aeroquip 6-5100-52-16B or equal). Wet kit to be filled to capacity with SAE 10 hydraulic oil meeting MIL-L-46152 specifications.
19. Trade Ins - City unit #'s, 1196 and 1198, 1998 International, tractor with 5th wheel. City unit #'s 1200, 1222, 1226, 1231, 1999 International with 5th wheel. To view trade-ins, contact Roland Mata at (210) 359-3100.

ITEM	QUANTITY	DESCRIPTION
2 B	3 Each	Cab and Chassis, Minimum 52,000 GVWR, 102 usable cab to axle. Same as Item 2 A with winch. 120

SPECIFICATIONS:

1. Winch Assembly

- ~~A. Worm gear driven from power take-off unit through chain drive, air operated with 60,000 lb. single rap line pull. Chain drive must include idler type chain adjuster.~~
- ~~B. Drum to be supplied with 250 ft., 7/8" 6 x 37 RRL IWRC IPS cable, with minimum three (3) foot cam-alloy chain (minimum 7/8" link) and eye hook on end. Chain to be attached to cable with swage connector.~~
- ~~C. Controls to include de-clutching, engine throttling, engagement and disengagement, and other devices required and recommended by manufacturer for complete installation to make winch assembly fully operational upon delivery.~~
- ~~D. Winch to be fully air operated to include PTO, clutch, and brake. PTO to be full torque 8-hole with double drive chain to winch through a lay shaft. A full width oil field type cab protector with chain storage brackets left and right manufactured of 4" schedule 40 steel pipe is required. Operating controls to be installed at rear of cab on left side of vehicle.~~
- E. Power take-off selected must meet with manufacture's recommended minimum requirements and provide cable power in and out function for the winch.

2. Trade Ins - City unit #'s, 1257, 1998 International, tractor with 5th wheel and winch. City unit #'s 1335 and 1391, 2000 International with 5th wheel and winch. To view trade-ins, contact Roland Mata at (210) 359-3100.

ITEM	QUANTITY	DESCRIPTION
3	14 Each	Cab and Chassis, Minimum 50,000 lbs. GVWR, 12 CY Dump Trucks

SPECIFICATIONS CAB AND CHASSIS (MINIMUM 50,000 GVWR):

1. Engine - Diesel, minimum 12 liter water cooled, minimum ~~345~~⁴⁰⁰ net horsepower rated at manufacturer's recommended RPM, producing a minimum of ~~1400~~ ft. lb. of gross torque. Nominal torque rise minimum 25%, with viscous or electro magnetic fan clutch. Road speed to be electronically governed to 65 MPH +/- 2 MPH.
1550
2. Electrical - Units to be equipped with three (3) minimum 12-volt, heavy duty batteries (total 1800 CCA). Minimum 130 amp alternator.

3. Transmission - Fuller FR1^{15210-A}4210-B or Fuller FRO-14210C, or proven equal.
4. Frame - Full depth, high performance, minimum 2,400,000 RBM.
5. Clutch - Minimum 15", 2-plate, heavy duty ceramic faced.
6. Front Axle - Minimum 12,000 lbs. capacity with 12,000 lbs. spring with Stemco or proven equal front wheel bearing oiler. *fit shock*
7. Rear Axle - Single speed tandem drive, minimum 40,000 lbs. capacity, to be Meritor RT 40-145 or equal. Gear ratio installed must be capable of 65 mph +/- 2 mph geared road speed at full engine governed RPM.
8. Rear Suspension - Minimum 40,000 lbs. capacity, Hendrickson RT-403 or equal. *It's a 14000 RT-403*
9. Wheels & Tires - Wheels to be 10 hole hub piloted steel disk wheel, minimum 12R-22.5, steel belted tubeless radials, minimum load range H tires, on/off highway tread design. Front wheels to be highway tread design. Rear dual wheel application to be on-off, self-cleaning, lug design (Goodyear G124 series or equal).
10. Brakes - Full air, S-cam type, manufacture's heavy duty brake shoes, spring set parking brakes. Front and rear Rockwell or equal, automatic slack adjusters. Minimum 13 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, equipped with manual pull chains accessible from the side of the truck. Spring set parking brakes on both rear axles. All brake drums to be cast iron. Brake linings to be non-asbestos. Quick connect couplings to be located in a protected area near the front bumper. Couplings will not be mounted to the bumper. Male coupling 1/2" to air tanks, female coupling 1/2" to the air valve. Equipped with glad-hands suitable for ABS brakes.
11. Fuel System - Single left or right hand tank mounted under cab or dual left and right hand step tanks mounted under cab. Minimum total fuel capacity to be 70 gallons. Tank(s) must not extend more than 4" behind cab. Fuel filtration to include primary and secondary filtering systems. Fuel filtration to be combination primary filter, automatic water separator.
12. Color - OEM white.
13. Hood - Tilt type hood.
14. Exhaust System - Muffler, vertical tailpipe, heat guard, and rain cap, mounted to allow full utilization of specified cab-to-trunion length.
15. Cooling System - Cooling system adequate to maintain cooling ability as recommended by manufacturer. Coolant conditioner spin-on element.
16. Accessories - 49,000 lb. swivel type pintle hook mounted 33 1/2 inches from ground to center of pintle hook, 7 pin trailer electrical connection and glad hands compatible with ABS air brakes. Pintle hook, air and electrical connections will be located in a protected area that will not interfere with or be damaged by the operation of the dump body or objects being dumped.

SPECIFICATIONS HYDRAULIC DUMP BODIES: 12 CY WATER LEVEL CAPACITY, 14 YD Ends:

1. Body Construction - Body must be 14' x 7' inside and be constructed of minimum 7 gauge steel which meets the ASTM A1011 High Tensile Standard. Body must have a diagonal slope between sides and floor to provide cleaner discharge of load. Sides must be adequately side braced and rub rails be sloped dirt-free type. Floor to be constructed of minimum ¼" AR-400 steel. All welds must be continuous on floor seams, braces, etc., NO SKIP WELDS. Side boards of channel steel minimum 2.60" x 10" x .240" to be installed to present a smooth face on inside of body. Long sills must be constructed of 7" structural I-beam or channel (minimum). Crossmembers must be constructed of 4" 7.7 lbs. per foot structural I-beam or channel (minimum). Under structure must include standard front and rear 4" structural I-beams or channel and intermediate crossmembers maximum on 12" centers evenly spaced from front to rear. Rear corner posts must be a minimum of 10" wide and constructed of 7 gauge steel which meets the above mentioned standard. Body must have half size cab protector. Body sub-frame to have external guides installed to guide body into proper alignment with sub-frame and to prevent side movement during travel.
2. Tailgate - Tailgate must be of the double-acting type, constructed with boxed type reinforcements on all sides with a basic sheet wrapped over top and under bottom with a minimum of two vertical box braces and one horizontal box brace in center, or one vertical box brace in center and two horizontal box braces. Base section must be of the sloped, dirt-free type. Upper tailgate hardware 1" (minimum) thick flame cut steel. Tailgate latch 5/8" (minimum) thick flame cut steel.
3. Pivots and Pins - All pivots must be equipped with grease fittings. Rear hinge pins 2" O.D. minimum, upper tailgate pin 1" O.D. minimum. Lower tailgate pin 2" O.D. minimum.
4. Hydraulics - Hoist must be a class 110 minimum, full sub-frame type head mount telescopic hoist which conforms to National Truck Equipment Association (NTEA), Hydraulic Hoist and Dump Body Classification Chart. Fifty degree (50 degree) dump angle +/-2 degrees, with truck chassis frame tapered at rear to form a positive stop with rails of dump box at maximum dump angle. A full mating surface is required. NO OTHER STOP IS ACCEPTABLE. Hydraulic pump to be close couple direct mount to power take off. Pump to be Chelsea DPH50, minimum 25 GPM at 1,000 RPM, or equal air-controlled with feathering valve. Hydraulic system to include in-line hydraulic filter. Power take off to be Munci TG8 or equal with air shift controls. Pump and P.T.O. controls to be firmly mounted in cab where it is easily accessible from driver's position. Cable or rod operated controls are not acceptable. Unit will be provided with safety limit equipment designed to stop the dump body at its maximum dump angle. Safety limit equipment to include a flexible wand type switch, Micro BZE6-2RN18-8631, NO EXCEPTIONS, and an air solenoid valve rated at not less than 125 PSI, Humphrey 062E-1-3-11-20-35, NO EXCEPTIONS. Hoist installation must provide for use of the entire cylinder stroke when reaching maximum dump angle. Controls must include capability of hoisting, holding or lowering body.
5. Other Equipment - All necessary clearance lights, marker lights, reflectors, mud flaps and mechanical back up alarm to be included must meet State Inspection requirement. Four high intensity strobe lights to be installed, two (2) in, or near, the front bumper and two (2) flush mounted near the top of the rear tailgates.
6. Work Quality - Bodies with inferior welds (i.e., pin holes and non-penetrating welds) will not be accepted. Welds on sub-frames or body components will be such as not to interfere with any other frame or body components. All components are to be new (overhauled items are NOT acceptable).

7. Tarp system to have aluminum housing, minimum 12 gauge 1 5/8" steel tubing arms. Ground level control with removable crank, and locking gears. Chain cover and tarp to be same width as body inside. Housing to be mounted on cab protector. Acceptable model, Aero 400 or proven equal.
8. Mud Flaps - Mud flaps manufactured of a rubber base material are to be installed on both sides of vehicle front and rear of rear tires. Front mud flaps to have anti-sail device. Rear flaps to be free swinging. Mud flaps to be minimum 1.5 lbs. per square foot and plain black without identifying markings.
9. Trade In - City Unit 1344, 1345, 1346, 1347, 1348 and 1349, 1999 International, ten cubic yard dump trucks. 1271, 2002 Sterling. 1336, 1337, 1338, 1358, 1362, 1378 and 1377 2000 International, ten cubic yard dump trucks. To view trade in contact Roland Mata, at (210) 359-3100.

10. Bodies to be white

ITEM	QUANTITY	DESCRIPTION
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4	4 Each	18+ Cubic Yard, High Compaction, Rear Load, Refuse Collection Truck
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SPECIFICATIONS: Refuse Collection Cab And Chassis (Minimum 38,000 GVWR)

1. Cab - Standard cab with running boards, tilt hood and fenders, body colored exterior sun visor. Left and right hand cab grab handles, doors to have armrests. Units to be factory equipped with tinted glass, OEM air conditioner, integral heater, defroster units, cab headliner, and standard left and right side sun visor. Left and right outside mirrors West Coast type spring loaded, retractable, heavy-duty, 6" x 16", split focus type (approximately 2/3 flat area, 1/3 adjustable convex) mirrors, and manufacturer's minimum AM/FM radio. Heavy-duty vinyl split bench seat for driver and two passengers.
2. Electrical - Units to be equipped with four 12 volt, heavy-duty batteries (minimum 2700 CCA) and battery disconnect switch. Alternator to be 12 volt, minimum 130 amps, and gauge of lead wires to be sufficient for calculated load for this application. All wiring must be abrasion resistant and designated for severe service/heavy-duty use. Circuit breakers, manual reset with trip indicator, to be used in place of fuses in excess of 5 amps. Speedometer, tachometer, odometer, oil pressure, hour meter, fuel level, voltmeter, coolant temperature and air pressure gauges required.
3. Engine - In line six (6) cylinder, minimum ^{7.6}~~8.0~~ liters, diesel, minimum ¹⁰⁰⁰~~265~~ net HP rated at manufacturers recommended RPM, producing a minimum of ³⁰⁰~~200~~ lb. ft. of gross torque, automatic viscous or on/off fan clutch. Cooling system to be the maximum capacity offered by the manufacturer to include water filter/conditioner with replaceable, spin-on filter. Configuration being offered must be certified by the engine and transmission manufacturers for this application. System to be protected to -20° F.
4. Engine Protection - Diesel engine will be protected by an OEM, or proven equal, installed engine protection system, as a minimum. The system will monitor engine oil pressure, as well as engine and transmission temperatures. Engine fuel solenoid must be de-energized and engine automatically stopped when any of the functions being monitored is unsafe per the manufacturer specifications. System must provide time limited automatic override and system must provide audio and visual alarms for 30 seconds prior to shutdown.

3500 RDS

5. Transmission – Allison ~~MD-3060~~, or proven equal, with spin-on, in-line filter. Must be equipped with a forced auto neutral system. System will shift the transmission to into neutral when the park brakes are applied. Operator will have to manually shift back to drive when the brakes are released. Equipped with a positive interlock, which cannot be overridden, preventing operation of hydraulic system unless transmission is in neutral, (NO EXCEPTIONS). Six-speed transmission with maximum road speed electronically controlled to 65 miles per hour +/- 2 MPH.
6. PTO/Pump – Engine to be provided with crankshaft driven PTO adapter (Spicer 1350 or proven equal) with access through grill. PTO/Pump to be front drive, dry valve type (Commercial Shearing 316-9414-001 or proven equal) with provisions for continuous flow for lubrication purposes and engage only with transmission in neutral. The pump must be controlled through a speed device that will automatically engage the pump at the proper engine RPM and will not allow engagement unless the engine is under 750 RPM and the truck transmission is in the neutral position. Unit to be equipped with over-speed protection that will disengage the PTO/pump in excess of 1500 RPM. Pump and hoses/plumbing to be protected with a metal guard that will be approved by the City at time of award.
7. Front Axle – Minimum 12,000 lbs. capacity with 12,000 lbs. spring capacity, equipped with hub piloted steel hubs, out-board mount type brake drums with Stemco or equal front wheel visible cap bearing oiler. Front shock absorbers to be heaviest duty available for specified axle. Integral power steering.
8. Rear Axle – Minimum 26,000 lbs. capacity with 26,000 lbs. spring capacity, minimum 3,000 lbs. auxiliary springs. Ratio geared to attain 65-mph +/-2 mph. at full engine governed RPM. Equipped with hub piloted steel hubs, out-board mount type brake drums. Stemco or equal oil seals. with diff lock
9. Brakes – Full air, ABS, S-cam type, manufacturer's severe service brake shoes, spring set parking brakes. Front and rear Rockwell or equal, automatic slack adjusters. Minimum 13 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal and air tanks equipped with manual pull chains accessible from the side of the truck. Spring set parking brakes on rear axle. All brake drums to be cast iron. Quick connect coupling to be located in a protected area near the front bumper (Milton 747 or equal). Coupling will not be mounted to the bumper.
10. Wheels & Tires – Wheels to be 10-hole hub piloted steel disk wheel, minimum 12R-22.5, steel belted tubeless radials, minimum load range H tires. Front tires to be conventional tread. Rear dual wheel application to be on/off, self-cleaning, lug design (Goodyear G124 series or equal).
11. Frame – Minimum 110,000 PSI rail, 2,300,000 RBM. Huck bolt type fasteners must be used to attach all frame rails, supports and structural members.
12. Fuel System – To be equipped with dual steel, right hand and left hand tanks, with total minimum capacity of 80 gallons. Right hand tank to be step type, left tank may be step or frame type not to extend more than 4" behind cab. Fuel filtration system to include primary and secondary type fuel filter(s) with water separator. Full flow strainer must be installed in filler neck.
13. Exhaust System – Muffler, vertical exhaust tailpipe, heat cover, rain cap, to be mounted to allow full utilization of cab-to-axle length. Truck exhaust system to exhaust above top level of body.

14. Units to be equipped with the following additional equipment:

- A. Air horn(s) and electrical horn.
- B. Windshield washers and variable speed wipers.
- C. Adjustable steering column.
- D. 10-lb., ABC type fire extinguisher securely mounted in the cab.
- E. DOT triangle warning kit securely mounted in the cab.
- F. Back up alarm.
- G. Cigar lighter/power port.
- H. Two (2) front tow hooks, frame attached, tow hooks to be designed and installed to allow for lifting and towing of vehicle.
- I. Minimum of three keys with each truck.

15. Specific Minimum Warranty Requirements:

- A. Basic Warranty – Entire Vehicle – 12 months, unlimited mileage, 100% parts and labor.
- B. Cab – Structural and corrosion covering sheet metal, fiberglass, superstructure and aluminum panels – 60 months, 100,000 miles, 100% parts and labor.
- C. Frame, Cross-Members, Trunion Brackets and Cross Shaft, Suspension Trunion (Except Bushings) and Frame Side Rails – 72 months, 100,000 miles, 100% parts and labor.
- D. ~~Axles – All components (excluding wheel bearings and seals) – 60 months, 100,000 miles, 100% parts and labor.~~
- E. Engine – Extended manufacturer's warranty – 60 months, 100,000 miles, 100% parts and labor.
- F. Transmission – Extended manufacturer's warranty – 60 months, unlimited miles, 100% parts and labor.
- G. ~~Brake Components (less brake lining), Brackets, Camshafts, and Spiders – 60 months, 100,000 miles, 100% parts and labor (slack adjusters – 60 months, 100,000 miles, parts only).~~
- H. Drive-Line – 36 months, 100,000 miles, 100% parts and labor.
- I. ~~Strobe Lights – 60 months, unlimited miles, parts only.~~
- J. Pump/PTO – 36 months, 100,000 miles, 100% parts and labor.
- K. Hydraulic Cylinders on Collection Body And Tippers – 3 years, parts and labor.

SPECIFICATIONS: Refuse Collection Body, Rear Loader, 18 Cubic Yard, High Compaction

- 1. Unit to be current, new, standard production model, closed body, rear loader type.
- 2. Body compaction controls to be installed as recommended by body manufacturer's standard procedures. Controls to include a buzzer signal system from control panel to cab. Two (2) buzzer locations on rear of body (left and right side). Front of body to be fully enclosed to match the sides of the body and will be

equipped with a lockable driver inspection opening behind truck cab approximately 20" x 34" covered with 9 gauge 3/4" expanded metal with 1/8" x 1" frame, or proven equal.

3. Adequate handholds and running boards to be installed for the safety and comfort of loading personnel. Location of handholds and running boards will be agreed upon with City operations and safety personnel prior to completion of first unit, (Call Kevin Fareri at 207-7336 to schedule meeting). Rear wheel fenders, or proven equal, with mud flaps to be installed adequately covering rear tires, and designed to prevent debris or spray from wheels on wet road surfaces being projected on the collector positions. This requirement must be approved prior to completion of first unit.
4. Body must be properly cleaned and prepared prior to painting. Primer coat to be thoroughly dry prior to final two coats of Du-Pont DeLux, or proven equal, painted safety yellow to be approved by the City of San Antonio.
5. Body must be constructed of new parts and materials, assembled completely and be adjusted properly.
6. Body or tailgate construction using steel with a yield strength of less than 50,000-PSI is unacceptable. Hopper floor must have a minimum of 100,000-PSI high tensile yield strength. The body weight to be a minimum of 14,000 lbs. and a maximum of 16,200 lbs. Modifications to bodies that are not offered by the manufacturer as standard equipment or options, for the sole purpose of meeting these specifications, are unacceptable.
7. Body to be positive ejector for unloading, single ejector cylinder must travel entire length of body. Dump type unloading will not be accepted.
8. Capacity of body to be minimum 18 cubic yards excluding loader hopper and hopper to be minimum ~~2~~^{2.8} cubic yard capacity without extensions.
9. The complete refuse body assemblies, subassemblies, component parts, etc. must be designed with a factor of safety that is equal to or greater than that which is considered standard and acceptable for this class of equipment. Unit to be equipped with a 3-gallon water cooler rack installed by dealer.
10. Body to be equipped with side door opening on left front side, or other acceptable location as determined by the City, with locking device.
11. Body and all components provided are to be furnished with a 12 month warranty, parts and labor included, covering initial 12 months operation from date equipment is placed into service. In addition, refer to paragraph #12 on compaction requirements.
12. Compaction – Minimum of 1,000 lbs. per cubic yard as determined by the City of San Antonio. The packing capability of each body purchased will be re-evaluated at periodic intervals during the 12-month warranty period after the unit goes into service. Should the City determine that a body does not meet the minimum compaction requirements during any of these tests, the vendor will be advised and be required to take action to repair the body in question so that it will again meet the minimum compaction requirements. Once the repair is accomplished to the satisfaction of the City, the warranty on the body will then be extended for a 12-month period from the date of re-acceptance by the City. The contractor will have the right to inspect compaction units during normal City working hours to assure that proper factory recommended service and maintenance is being performed. Abuse and damage not attributable to faulty

design, materials or workmanship will exempt warranty expectations and must be documented by the vendor. A damage statement will be provided to the service center supervisor within 48 hours.

13. The unit's hydraulic metal reservoir to be truck frame mounted with spin-on hydraulic oil filter(s). Minimum, 100-mesh strainer to be installed in the suction outlet and a 10-micron filter to be used for the return line. A magnet to be installed in tank, accessible for cleaning. One-quarter (1/4) turn ball valves must be installed on suction and outlet lines and to isolate the reservoir and filter assembly for service and maintenance.
14. All welds on body and tailgate are to be continuous (required flex seams on understructure).
15. Lighting: All lights required by D.O.T. and the Texas Department of Public Safety must be included. In addition, two (2), minimum 4" diameter, 10-diode, LED, combination tail, stop, and turn signals will be installed on the rear above the packer blade at a location to be designated. Each light will be protected by expanded metal shields that are easily removable to repair lights when necessary. Two (2), minimum 4" diameter, 10-diode, LED, combination tail, stop, and turn signals will be installed at the rear of the unit below the upper lip of the hopper (approximately centered from top to bottom of rear lower panel), one on the left side and one on the right side, protected by removable expanded steel guards. A lighted license plate bracket will be installed on the body above the packer blade centered on the body left to right. Two (2), minimum 4" diameter, 10-diode, LED, white backup lights to be installed. Two (2) adjustable work lights to illuminate hopper area and a minimum of one (1) adjustable light on each side of the body to illuminate the collector's positions. Four (4) each, flush mounted amber strobe lights, Led-X Model LXEX1F-A, or proven equal with user selectable flash patterns must be installed and wired to activate whenever engine is running. Two (2) amber strobe lights to be located at the front and two (2) amber strobe lights located at the rear of the body. All lighting must be wired to standard chassis controls. Premium, self-sealing connectors must be used for all electrical connections. Reflective conspicuity tape must be applied along both sides and across the back of each packer body.
16. A lockable, water tight toolbox, approximately 18 inches (18") high, 18 inches (18") deep and 20 inches (20") wide, to be securely mounted to right side of the refuse body. Placement to be approved prior to completion of first unit.
17. A square nose shovel for cleaning area behind packer blade must be provided, with a bracket to secure the shovel attached to the body. Shovel and placement to be approved prior to completion of first unit.
18. Trade Ins – City Units 4860, 4861, 4870 and 4871, 2000 International 18 cubic yard rear loaders. To view trade ins contact Donald Romans at (210) 207-6434.

ITEM	QUANTITY	DESCRIPTION
5	4 Each	Minimum 35,000 GVWR Lbs., 2,000 Gallon Water Distribution Trucks.

SPECIFICATIONS CAB AND CHASSIS:

1. Engine – Diesel, minimum 245 horsepower rated at manufacturer's recommended RPM, producing a minimum of ~~650~~ ft. lbs. of torque at a maximum of 1600 RPM, electronically governed to 68 MPH +/- 2 MPH. Engines to be equipped with OEM or equal shut down control on high coolant temperature and low

620

oil pressure. Dual element dry type air cleaner with restriction indicator dash mounted.

2. Transmission – Allison 3000, 6-speed, RDS or proven equal with PTO provision. Transmission will be furnished with synthetic transmission fluid. Electronic engine controls must have all necessary components and wiring to allow for complete operation of a power take off at a pre-determined RPM using an in-cab control, must be load sensitive, and the pump to be controlled through a speed device that will automatically engage the pump at the proper engine RPM and will not allow engagement unless the engine is under 750 RPM and the truck transmission is in the neutral position. Pump/PTO shall automatically disengage when transmission is shifted out of neutral, or when RPM exceeds manufacturer's recommended RPM. The PTO assembly is to be mounted directly to the chassis transmission.
3. GVWR – Minimum 35,000 lbs.
4. Front Axle – Minimum 12,000 lbs. capacity with minimum 12,000 lbs. parabolic, taper-leaf springs, hub piloted steel hubs, outboard mount type brake drums with Stemco or equal front wheel visible cap bearing oiler. Front shock absorbers to be heaviest duty available for specified axle.
5. Rear Axle – Minimum 23,000 lbs. capacity with minimum 23,000 lbs. spring capacity, minimum 4,000 lbs. multi leaf auxiliary springs. Equipped with hub piloted steel hubs, out-board mount type brake drums. Stemco or equal oil rear seals. Gear ratio to attain 70 MPH +/- 2 MPH. Axle will be driver-controlled locking type.
6. Brakes – Four channel ABS, full air, S-cam service brakes, front minimum 16.5 x 5", rear minimum 16.5 x 7". Front and rear Rockwell or equal, automatic slack adjusters. Minimum 15 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, and pull chains accessible from the side of the truck. Spring set parking brakes. All brake drums to be cast iron, outboard type. Quick connect coupling (Milton 747 or equal), connected to the emergency side of air system, to be located in a protected area near the front bumper.
7. Color – OEM white.
8. Wheels & Tires – Wheels to be 10-hole hub-piloted steel disk wheel, 22.5 X 8.25, tires 12R 22.5 minimum load range H, tubeless steel belted radial tires. Front tires conventional tread (Goodyear G124 series or equal).
9. Mud flaps manufactured of a rubber base material, on both sides of vehicle, front and rear of rear tires. Mud flaps to have anti-sail device. Mud flaps to be minimum 2 lbs. per square foot and plain black without identifying markings.
10. Two (2) front tow hooks installed on frame and strengthened sufficiently to lift, pull and tow the truck.
11. Frame – Heaviest available. Minimum 'C' channel, 16.98 SM, 120,000 PSI. Completed unit will have any excess frame at rear neatly cut off and all lights required by DOT to be installed.
12. Cooling System – Largest capacity radiator with automatic viscous or on/off fan clutch. Coolant conditioner spin-on element, with wet sleeve engines only. Extended life antifreeze and silicone hoses will be furnished.
13. Electrical – Minimum 130 amp alternator, with dual batteries having a minimum total of 1800 CCA. All

wiring to be of high quality, abrasion resistant, and to be protected by looms or conduit and terminate in a watertight junction box (unprotected wiring is not acceptable). All wire terminals to be self-sealing and water proof. Circuit breakers required on all circuits above 5 amps.

14. Fuel System – To be equipped with minimum capacity of 70-gallons. Right and/or left hand tank mounted. Fuel filtration system to include primary and secondary type fuel filter(s). Fuel filtration to be combination filter/water separator, Davco Fuel Pro 382, or proven equal.
15. Cab – Standard cab with running boards, tilt hood, and fenders. Left and right hand cab grab handles. Doors to have armrests. Units to be factory equipped with OEM air conditioner, integral heater, defroster units, cab headliner, standard left and right side sun visor, standard left and right outside mirrors, West Coast type spring loaded retractable heavy duty 6" x 16" painted, split focus type (approximately 2/3 flat area, 1/3 adjustable convex) mirrors, and manufacturer's standard AM/FM radio. Driver seat to be high back, vinyl covered, full air suspension, with arm rests. Passenger seat to be 2 person vinyl covered bench.
16. Lighting – Stop, turn signal, tail, backup, and clearance lights will be LED type. Four LED strobe lights shall be installed. (WHELEN TIR-6, P/N 01-0663507A33B, SUPER-LED, 500 SERIES DIRECTIONAL WARNING LIGHT or proven equal). Two in the grill area of truck and two on the top portion of the rear of the tank

SPECIFICATIONS TRUCK MOUNTED WATER DISTRIBUTORS:

1. Pump Unit: Self priming centrifugal pump that is driven by the truck transmission PTO. Start, stop and speed controls to be installed in truck cab easily accessible from the driver's position. Pump must be capable of producing a minimum of 24,000 gph (400 gpm) at 40 feet of head at rated engine rpm. Pump to be piped to allow for suction loading and pressurized unloading at street side. Suction set up to have a minimum 2 1/2" quick coupler at the pump. A pressurized discharge will be provided at the pump with a 2 1/2" outlet using a quick coupler. A removable filter screen will be provided in the pump suction line. Suction on/off may be controlled thru a quick connecting sealing type cap or a manual on/off valve at the pump. Pressurized outlet to be controlled by an air operated on/off valve activated thru an air operated normally closed valve with control switch in the truck cab or once unit is pressurized control may be thru a ball valve at the outlet.
2. Tank: Minimum 1,900 to a maximum ²²⁰⁰~~2,100~~ gallon capacity of oval design and constructed of grade "A" steel, electrically welded throughout. Inside of tank to be treated with rust preventative material. Upper and lower half of shell to be constructed of minimum 10 gauge material. Heads to be dished and flanged. Surge plates to be manufactured of minimum 10 gauge steel and installed not more than 40" apart or more than 40" from heads. Installation must include a man way. Top mounted manhole to be minimum 20" diameter and include a hinged quick opening cover with sealing gasket. A walkway from the rear of the tank to the manhole is required. Tank to be mounted on cradle and attached to the frame with a bolster type design. A 3" over flow is required at top center of tank. A 1 1/2" diameter drain plug is to be located at bottom rear of tank. A ladder is required at the rear of the tank to provide access to the top of the tank. Cab and chassis frame (minimum 14", maximum 24") behind tank to be covered with minimum 3/8" safety plate firmly secured to frame. A float or tube type water level indicator is required at rear of tank. Hose tray to be installed on both sides of tank. Hose trays to be minimum 12" wide and tank length with minimum 6" high sides and made from aluminum and include front and rear headers. Trays must be firmly braced and bolted to tank and sub frame.

3. Fill Connection: To be manufactured of minimum 2 ½" pipe installed at rear of tank and must provide an air gap twice the distance twice the distance of pipe inside diameter. Fill hole must have a screen to contain trash and a cover to prevent spillage during transport. Fill connector must include a 2 ½" female quick coupler to allow for fill hose connection. This connector to be located not more 54" from ground level.
4. Spray Bar: Minimum 2 ½" spray bar, single feed line minimum 6" or dual feedline minimum 2 ½", 8' long spray bar with 2 folding two foot long (12' total), two way break away extensions. The manually folding wings to shut off when end sections (extensions) are folded. Spray nozzles to be # 6 brass spaced on 4" centers. Spray to be actuated by an air operated remote control from driver's position in truck cab.
5. Hand Spray: Pipe unit to allow for pressurized hand spray operations. Provide ⁵⁰~~100~~ of heavy duty 1" rubber hose on a retractable hose reel with an adjustable stream to mist nozzle. ~~Connect near the pump area and include an on/off ball valve for these operations~~
6. Flusher Spray System: Install a minimum 2" adjustable brass shoe at the rear bottom of the tank. Spray pattern to be adjustable and pointed out the rear of the unit. Install a normally closed on/off air operated solenoid valve to control flow to the flusher shoe. Operation of the flusher spray system to be controlled from a dash mounted control easily accessible from the driver's position. Provide flexible joints to allow for movement between piping, pump, truck chassis and tank as necessary.
7. Mud Flaps: To have mud flaps mounted in front and rear of rear wheels with swing restrictors (anti-sail devices). Mud flaps to minimum 1.5 lbs. per square foot and painted black without identifying markings.
8. Accessories: One minimum 10' long fill hose with quick couplers and reducers necessary to attach hose to tank and hydrant for filling operations. Include one (1) rubber lined 2 ½" X 20' polyester or equal transfer hose for transferring water from unit to another piece of equipment. Include quick coupler for transfer hose. All exposed hose ends require dust caps.
9. Paint: Entire unit to be primed and painted with automotive black paint.
10. Frame: Completed unit will have any excess frame at rear neatly cut off and all lights required by DOT to be installed.
11. Acceptable Models: Etnyre Pressure Sprinklers or proven equal.
12. Trade Ins – City unit #'s 1232, 1234 and 1235, 2000 International 4700 with water distributor. To view trade ins contact Stacey Geiger at (210) 207-6597. City unit # 4524, 1997 International 4700 with water distributor. To view trade in contact Donald Romans at (210) 207-6434.

Note: If back pressure causes any strain on the pump system when the P.T.O. is engaged and all pressurized water systems are in the off position, a bypass system must be included as part of the bid.

ITEM	QUANTITY	DESCRIPTION
6	1 Each	Truck, Paint Striper.

GENERAL:

This specification describes and defines the minimum requirements of a truck mounted, self contained, self propelled thermoplastic pavement marking machine. The equipment shall be capable of applying up to 3 lines in two colors of hot thermoplastic road marking material and glass beads. The specified machine shall be complete with all equipment required to be capable of simultaneously applying three (3) paint lines in two colors at a 10 mph at 60 mils of thickness. The delivery of the truck mounted thermoplastic unit shall be made to the City of San Antonio no later than 180 days after receipt of award. The specified machine must not have any portion of the striper more than 13'6" above the ground except when the rear arrow board is in an upright or operational position. The specified machine must not have any portion of the striper more than 96" wide, except the chassis mirrors. The specified machine shall not be a prototype. The responsible supplier must have a minimum of six (6) units built to this specification utilizing the same pre-melters as specified, tube cart/ filter manifold system, thermoplastic material re-circulation system, solenoid weather resistant boxes, tilt down easy access rear control console, rear mounted hot oil system and be in service for at least two (2) years. Prototypes will be unacceptable. Bidders shall supply a list including the name of organization, contact person, phone number and date of delivery of users meeting this requirement. Photo documentation of specific items within the specification shall be included with bid documents. Bidders failing to submit photo documentation may be disqualified. Items requiring photo documentation are noted in the appropriate sections below.

SPECIFICATIONS CAB AND CHASSIS:

1. Engine – Diesel engine with a minimum 7.8 liter, 275 hp and 800 foot pounds of torque. The engine shall be equipped with an automatic engine shutdown with alarm.
2. Transmission – The chassis shall be equipped with Allison 3500 RDS 6 speed automatic with push button controls, or proven equal.
3. GVWR – Minimum GVW of 39,000 pounds.
4. Front Axle – Minimum of 16,000 lb. capacity front axle and 18,000 lbs. suspension.
5. Rear Axle – Minimum of 23,000 lb. capacity, axle with a 23,500 lbs. rear suspension. To be equipped with a 5.57 ratio rear axle suitable for striping operations.
6. Brakes - The chassis to be equipped air brakes with ABS and outboard drums. It shall be equipped with a 14.2 CFM air compressor. The brake system shall include dual air pressure gauge, low pressure warning light and alarm. The chassis shall include an exhaust breaking system.
7. Color – OEM white
8. Wheels & Tires - The chassis shall be equipped with 22.5" X 8.25" steel disc-Accuride 10-hole flange nut, hub piloted 20,000 lbs. capacity front wheels and 22.5" X 8.25" Accuride 10-hole flange nut, hub piloted 29,560 lbs. rear capacity wheels. It shall be equipped with front Michelin 315/80R22.5L-18000 lbs. rated premium highway tread tires or equal. The rear tires shall be Michelin 11R22.5G-23,000 lbs. capacity

premium highway traction tread or equal.

9. Frame – The chassis frame shall have a minimum RBM of 1,938,000.
10. Electrical – It shall be equipped with a minimum 160 amp alternator and a 1980 CCA battery.
11. Fuel - The chassis shall be equipped with two (2) fifty gallon fuel tanks.
12. Cab - The cab and chassis will be a cab over design with a GVW of 39,000 pounds. The driver's steering wheel to be a tilt and telescopic. Unit to be equipped with an electronic activation switch (electric hand throttle). To be equipped with cruise control, AM/FM stereo radio, air horn, 12 volt power outlet, warning lights as follows: high beams, check gauges, brake, low coolant, seat belt, battery, reduced engine power, air change oil, low oil level, service engine soon, engine shutdown, daytime running lights, left turn signal, and right turn signal. It to be equipped with 6" steel convex dual heated mirrors. The chassis shall be equipped with a driver's hi-backed air suspension type seat. The passenger seat shall be a high backed fixed height, manual back angle adjuster and lumbar. Both seats shall be medium dark gray vinyl. Unit to be equipped with padded ergonomic instrument panel with large easy to read gauges, electronic speedometer (MPH & KPH), re-settable trip odometer, tachometer, voltmeter, oil pressure gauge, and fuel gauge.
13. Fabricated Parts - A foldable and extendible steel guide wheel assembly with brackets for attaching a hydraulic lift will be supplied and mounted to the cab and chassis front bumper. A square tube within a square tube design will be provided. The guidance bar will ride on a pneumatic tire when in the "float" position. The assembly will easily move from mounting brackets on the left side for left side driving to mounting brackets on the right side. A 96" wide aluminum heavy duty platform (striper deck) with 1" diameter aluminum side railings, built in side and rear access steps, 72" wide X 24" deep rear aluminum platform shall be provided with anti-skid treatment on the walking surfaces. A 48" X 96" material storage area with two (2) removable 55" storage side railings shall be provided. All required clearance lights shall be mounted to platform. Access ladders shall be provided on each side of the material storage area. The platform will be of sufficient size and strength to accommodate the specified equipment. Undercoating will be applied to the underside of the platform. Heavy-duty in-line, hydraulically extendible, machined tube gun carriage assemblies will be provided and mounted under the striping platform above the chassis frame rails just behind the rear axles. Carriages shall extend 4' from the edge of the bed. Square tube carriages are not acceptable. Bidders to provide photo documentation showing carriage assemblies. Bidders failing to provide photo documentation may be disqualified. Two (2) heavy duty hydraulically raised and lowered scissors style gun carts will be provided and mounted to the outside ends of the machined gun carriage tubes. One will be mounted to the centerline side of the striper and one will be mounted to the edgeline side of the striper. The scissors style gun carts will ride on dual pneumatic tires. Fabricated steel hangers mounted to the gun cart and steel brackets mounted under the striper platform will be provided to hold the gun carts secure when in the travel position. Chain systems to secure carriages are not allowed. Two (2) 2000 lb capacity air jacketed thermoplastic pre-melting kettles with foldable steel steps and railings shall be provided. Kettles shall be equipped with safety doors. The three safety door system shall consist of a main door which resists rain from entering the melter. When loading the material, the first door is lifted, the second safety door is then pulled downward (the second door is also the shelf for the bag or block thermoplastic), the third door is hinged to minimize exposure of the material, fumes and heat contained in the kettle. A flash panel is located away from the material loader and to the rear of the lid. The two kettles shall be mounted in a common housing which will allow for more efficient heat retention. One (1) hinged, two piece steel construction control console will be mounted to the striper platform between the rear operator's stations. The hinged console design will enable easy access to console mounted controls for

maintenance. A protective console cover will also be provided. Bidders shall provide photo documentation showing hinged console system in both closed and tilted position. Bidders failing to provide photo documentation may be disqualified. Two (2) lockable tool-boxes mounted inside the rear cab with two high back air ride bucket seats with armrests and seat belts mounted to the top of the tool boxes will be provided. One (1) steel hydraulic reservoir with sight gauge, magnetic particle separator, interior baffle and removable lid. Two (2) glass bead manifolds will be mounted to the gun carriage assemblies. One (1) mounted on the centerline side and one (1) on the edgeline side. Aluminum tread plate panels will be provided to cover some surfaces. A steel pedestal mounted in the chassis cab to secure the switchbox while in the "one man" operation mode. A steel step assembly with hand rail mounted to the bed shall be provided to access re-circulation handles. Two (2) steel mounting pedestals shall be provided for the hydraulic steering orbital to control lateral movement of the gun carriages. Two (2) oil jacketed material / manifolds with full flow SST outlet valves shall be mounted on the each gun carriage. Manifolds shall be mounted on the carriages to allow for material lines to the thermoplastic application guns to be no longer than 42". Two (2) bead manifolds with exhaust mufflers shall be mounted on the gun carts. One manifold per cart. Two (2) steel pans for "popping" of the spray guns shall be provided. They shall be stored in an integral storage area built into the rear tailboard section. Two (2) steel pans for "popping" of the spray guns shall be provided. They shall be stored in an integral storage area built into the rear tailboard section. Steel heat transfer oil expansion tank with overflow hose and sight gauges. Two (2) rear operator's stations shall be enclosed with 1/4" high-strength plexiglass to provide protection from elements.

14. Diesel Air Compressor And Auxillary Hydraulic Power System - The air compressor shall be a hydraulically powered Vanair or approved equal, with 185 CFM. The air compressor shall be mounted on a steel frame connected to the chassis frame rails. The auxiliary engine shall have a remote "kill switch" located in the rear operator's position and from the truck cab. It shall be equipped with a full gauge package and engine hour meter. Power for the hydraulic systems shall be provided by a minimum 125 HP turbo charged, liquid cooled Cummins 4BTAA 125 HP diesel power plant or approved equal. It shall be equipped with (4) hydraulic pumps to power the various striper systems and a 120 amp alternator. Fuel for this engine shall be drawn from the chassis fuel tank. The hydraulic system shall be equipped with hydraulic reservoir equipped with a sight gauge, magnetic particle separator, interior baffles and "cleanout" fittings. The hydraulic system shall be equipped with a hydraulic cooler of sufficient size for the system. It shall be mounted on top of the air compressor housing to allow for maximum air flow. Two (2) finned tube type air cooler assemblies equipped with integral electric fans shall be installed in the compressed air system from the air compressor to cool the air and enhance moisture separation. Three (3) self-expelling automatic moisture separators will be installed. One separator shall be dedicated to the main airline. One for the bead tank air system and one for the Venturi supply. Two (2) adjustable air oilers shall be installed in the airlines to supply oil to the gun actuating solenoids. The oilers must be readily accessible for servicing. Air pressure regulators and gauges to control bead tank pressure and spray gun atomizing pressures shall be mounted in rear operator's control console. Unit will be equipped with a blow air system plumbed to the gun carts to clean the road surface directly in front of the spray guns. System is equipped with on, off, and auto functions. All air manifolds used to distribute compressed air will be made of aluminum. A quick coupler shall be located at the rear of the unit to facilitate the use of air tools. A "blow down" compressed air system to purge residual thermoplastic from the pumps, manifold, re-circulation, lines, material lines and guns shall be provided. The hydraulic system shall consist of four pumps mounted to the auxiliary engine. One pump shall power the steering orbital; one pump shall power the material pumps, one pump shall power the air compressor and one to power all other hydraulic systems. Two (2) hydraulic steering orbitals with steering wheels will be installed to enable the right and left side rear operators to control the hydraulic cylinders that provide lateral movement of the gun carriage assemblies. A hydraulic cylinder will be

installed on the front bumper mounted guidance bar. The striper driver will be capable of electrically controlling this cylinder with raise, lower, and float functions. One (1) "in-tank" hydraulic filter mounted in the oil return plumbing to the hydraulic reservoir will be provided. All pre-melters shall be equipped with a "load sense" pressure compensating system that will sense load requirements. The hydraulic system includes RPM flow control valves, directional control valves which allow for forward, neutral and reverse positions for the agitators. Hydraulic lift cylinders shall be provided for the gun carriage system. Two (2) hydraulically driven heat transfer oil circulation pumps, one for the left side and one for the right side shall be provided. They shall be located within 30" of the oil heating system and be accessed through a lift up panel located at the rear of the truck. Bidders shall supply photo documentation of this system. Bidders failing to supply photo documentation may be disqualified. Hydraulic motors shall be provided to power the material pumps. The hydraulic motor drive system shall incorporate a dual speed control system on the centerline side of the pump to allow for the application of two lines simultaneously in spray or ribbon extrusion application methods. Two (2) diesel fired 2,000 pound capacity air-jacketed, vertical design thermoplastic pre-heating kettles (4,000 lb. total capacity) shall be provided. They shall be equipped with hydraulically driven agitators and thermostatically controlled electronic ignition systems with a safety shutdown system. Pre-heating kettles shall be equipped with digital material temperature displays installed near the kettle feed doors to allow the material loader to monitor the material. Each pre-melter kettle burner compartment shall be lined with stainless steel. A 3/4" stainless steel "floating" burner deflector plate and primary deflector plate shall be provided for each pre-heating kettle. Each pre-melter shall be equipped with a 12 volt diesel fired burner. Each pre-melter shall be equipped with an inspection door that requires no tools to open. The two (2) pre-melters shall be interconnected and separated with a stainless steel flex coupler and insulated knife gate valves. The interconnected knife gate valve will be manually actuated from the melter feed step platform. Access for the knife gate valve shall be made through an access panel. Bidder to supply photo documentation showing the flexible joint and knife valve assembly. Bidders failing to supply photo documentation may be disqualified. Each pre-melter shall be equipped with a 3" diameter cleanout outlet with screw on cap. The melter's material outlets to the material pumps shall be mounted below the bottom level of the pre-melter "floor" to allow melters to be drained completely. Bidder to supply photo documentation to document compliance. Bidders failing to supply documentation may be disqualified. Each pre-melter shall be equipped with an auger enhanced multi-paddle agitator. It shall be designed to provide a full "sweep" horizontally as well as vertically. The auger shall be incorporated into the agitator shaft to provide additional agitation. The agitator shafts shall have replaceable end shafts. An inner auger shall, be incorporated into the agitator shaft to provide additional agitation. The melters shall be equipped with four (4) internal supports mounted to support the bottom of the kettle housing. These supports shall be made of schedule 8 pipe and run from the bottom of the melter bottom to the melter base plate. Two (2) model Moyno IL-8 hydraulically driven material pumps shall be provided to provide thermoplastic material to the application devices. The pumps shall be equipped with digital readout pump RPM indicators. The pumps shall be "fed" from the pre-melters from two (2) electrically actuated knife valves mounted on the rear most section of the pre-melters. The two (2) knife valves shall be controlled by electric actuators controlled from the rear control console. The thermoplastic system shall incorporate a recirculation system on both material pumps as well as a material recirculation system from the filter/manifolds to each of the melters. Bidder to supply photo documentation to the document compliance. Bidders failing to supply documentation may be disqualified. The system shall have an oil jacketed material crossover line installed between the left and right side material plumbing mounted under the deck. This feature will allow the white thermoplastic material application from the outside centerline gun. The system shall be equipped with 1 1/2" ID oil jacketed lines from the material pump outlet to the filter / manifolds assembly. Two (2) oil jacketed material filter /manifolds shall be mounted on the gun carts. Each shall be equipped with a perforated filter to strain the thermoplastic. Material lines to the application

guns shall be by a 1 1/4" ID oil jacketed hose. All pre-melters shall be mounted in a common housing allowing efficient use of the BTU's from each melter to aid in heating of the entire melting system. The entire pre-melting area shall be insulated with a minimum 2" thick fiber board material. Bidder to supply photo documentation showing pre-melter housing and insulation material to insure specification compliance. Bidders failing to supply documentation may be disqualified.

15. Marking Material Heating System - The marking material marking heating system shall have a diesel fired heat transfer oil heating furnace with a thermostatically controlled ignition system. The heat transfer oil furnace will be equipped with an automatic high temperature safety shut down limit switch. The system shall include an oil expansion tank with heat shield and glasses and an overflow hose mounted on the deck. The overflow hose will be routed through the striper deck to the road surface. There shall be heat transfer oil temperature gauges installed at various points in the oil circulation system. The hot oil system shall be engineered to provide and maintain sufficient heat to apply spray or ribbon extrusion applications throughout the material delivery system during striping operations. Melter and furnace thermostat controls for the material marking heating system will be mounted in the rear operator's control console.
16. Reflective Media System - One (1) A.S.M.E. certified 36" diameter 1,000 LB. capacity reflective media tank with a 9" diameter lid will be mounted to striper deck. The suction inlet on the tank will be equipped with a male camlock coupling and cap. Tank will be equipped with a material level gauge to provide visual of reflective media in tank. The tank pressure will be controlled by an individual regulator and gauge mounted in the rear operator's control console. The unit will be equipped with a Venturi vacuum bead load system. The Venturi will exhaust below the striper deck through a muffler. One (1) detachable 15' long suction load hose will be provided. The hose will be equipped with a female camlock coupling to enable quick connection to the suction.
17. Gun Carriage Layout - The centerline gun carriage will include:
- Three (3) MRL oil jacketed spray guns (3 yellow with material plumbing to allow white to be sprayed out of the number 1 outside gun) NO SUBSTITUTES
 - One (1) bead manifold.
 - Three (3) MRL bead guns with MRL variable width fan attachments. Each bead gun shall include 4 inserts to adjust bead discharge rates. No substitutes allowed.
 - Three (3) Blow air nozzles mounted on an adjustable mounting bracket in front and in-line with the spray guns.

THE THERMOPLASTIC SPRAY GUNS SHALL BE CAPABLE OF BEING CONVERTED TO RIBBON APPLICATION AT A LATER DATE. THE MAIN BODY OF THE SPRAY GUN SHALL BE USED WITH THE RIBBON GUN ATTACHEMENT.

Centerline gun carriage layout diagram:

- ⊕ ⊕ ⊕ Three (3) Blow Air Nozzles.
- ◇ ◇ ◇ Three (3) MRL Oil Jacketed Spray Guns
- □ □ Three (3) MRL Bead Dispensers.

The edgeline gun carriage will include:

- One (1) MRL oil jacketed spray gun (white) NO SUBSTITUTES
- One (1) MRL bead gun with MRL variable width fan attachment. The bead gun shall be equipped with 4 inserts to adjust bead discharge rates. No substitutes allowed.
- One (1) bead manifold.
- One (1) blow air nozzle mounted on an adjustable mounting bracket in front and in-line with the spray gun.

THE THERMOPLASTIC SPRAY GUNS SHALL BE CAPABLE OF BEING CONVERTED TO RIBBON APPLICATION AT A LATER DATE. THE MAIN BODY OF THE SPRAY GUN SHALL BE USED WITH THE RIBBON GUN ATTACHEMENT.

Edgeline gun carriage layout diagram:

- ⊕ One (1) Blow Air Nozzle.
- ◇ One (1) MRL Oil Jacketed Spray Gun
- One (1) Bead Dispenser.

All spray gun and bead dispenser actuating solenoids will be mounted in weather resistant, steel boxes equipped with bulkhead fittings enabling the air hoses to exit to the spray guns and bead dispensers. These boxes will be mounted at the outermost edges of the gun carriage assemblies, just below and flush with the endplate for the gun carriage tube assemblies. Photo documentation showing all weather resistant boxes and bulkhead fittings shall be submitted with the bid. Bidders failing to submit photo documentation may be disqualified. Each spray thermoplastic gun, four (4) total, shall be equipped with a 12 volt linear electric actuators to raise and lower the gun from the rear operator's position.

18. Electronic Skipline Controller - The unit will be equipped with an adjustable electronic skip-line mechanism utilizing solid state components for all active internal functions. System will include a means of inductive arc suppression. Clutches, cams, gears, or devices that require adjustment will be unacceptable. The electronic skip-line mechanism will utilize a Hall Effect type sensor, sensing from a collar mounted on the chassis drive shaft. The Skip-line mechanism will consist of one (1) skip-line control box mounted in a weather resistant stainless steel enclosure located at the centerline (left) operator station, one (1) skip-line control box mounted in a weather resistant stainless steel enclosure located at the edgeline (right) operator station and one (1) slave box mounted in the main electrical junction box. Photo documentation of slave box and electrical junction box location shall be provided. Bidders failing to provide photo documentation may be disqualified. The Skip-line control system will be complete with footage counter, digital speedometer, and metric conversion capability. The skip-line control mechanism must generate the selected repetitive pattern with out utilizing any internal or external moving parts, except operator adjusted toggle switches for establishing pattern size, placement and calibration. The Skip-line control boxes will have an alphanumeric, liquid crystal display for displaying advisor and warning messages, as well as stripe and cycle settings. The Skip-line control system will have as an integral part of the system a footage counter. One for each spray gun position, capable of measuring actual number of feet of line applied. This unit will be capable of registering both footage and speedometer (MPH). In addition to storing and viewing the number of feet through different channels

registered by each individual gun, it displays the total used by all guns. This display will be integral to the gun switch boxes. The two (2) switch boxes installed at the left and right rear operator's stations will be completely interchangeable. A digital speedometer shall be installed in the truck cab. A totalizing printer interfaced with the timing system to print footage summaries shall be supplied and mounted in the rear operator's shelter.

19. Operator's Communication System - An intercom system will be furnished to provide a means of vocal communications between the driver of the vehicle and the operators of the striping equipment. This system shall be a David Clark three (3) headset system utilizing one (1) David Clark U-3800 master station mounted in the truck chassis cab, one (1) David Clark U-3801 remote station mounted at the left operator station and one (1) David Clark U-3802 remote station mounted at the right operator station and three (3) David Clark ultra-light headsets with single earphones. A noise filter will be installed in the system to prevent feedback from other electrical components.
20. Electronic Traffic Warning Lights - The unit will be equipped with one (1) four by eight (4' X 8') foot 25 light multi-function arrowboard mounted to the rear operator cab with a 12-volt linear actuator to raise and lower the arrowboard. The arrowboard control panel and actuator control switch will be mounted on the rear operator's canopy. The unit will be equipped with two (2) amber strobe lights mounted on the rear of the unit. The unit will be equipped with two (2) light bars with amber lenses mounted on the cab and chassis cab. The switches to actuate the strobes, and light bar will be located in the chassis cab. Two (2) "marker lights" one on the front and one on the rear of each gun cart shall be supplied. The markers shall have flashing and continuous modes of operation.
21. Electronics - The unit will be equipped with seven (7) 12-volt lights for night work. Two mounted to each gun cart, one mounted to illuminate the operator's control console and two mounted to the front, top corners of the operator's canopy to illuminate the material tanks. One mounted rear of chassis cab to illuminate the tank's loading area. The unit will be equipped with a digital LCD 3/8" minimum character display speedometer with red backlighting mounted in the truck chassis cab. There will be one (1) main weather resistant electrical junction box for the material marking system. Systems offering multiple junction boxes located at numerous locations on the striping platform will not be accepted. The electrical junction box shall be mounted on the truck deck for easy access. It shall be equipped with LED indicator lights for to indicate if a fuse is non-operational. It shall be equipped with a laminated wiring diagram mounted on the junction box cover door. The marking material guns and reflective media dispenser electrical solenoids will be enclosed in NEMA boxes located on the gun carriage assemblies. Bidder to provide photo documentation showing the solenoid mounting, and related air hoses mounted in weather protected box. Bidders failing to provide photo documentation may be disqualified. All pertinent material marking system electrical components will be wired with expandable fusible switches with LED indicator lights. One (1) 12-volt power receptacle will be furnished in the rear operator's control console. The temperature controls for the marking material heat system will be digitally controlled temperature push button control indicators. All electrical switches in the rear operator's control console will be push/pull Allen Bradley brand. No exceptions allowed. The electrical circuit for the video guidance system electrical camera actuators will be protected with a 15 amp reset able breaker. A back-up alarm will be installed at the rear of the unit.

22. Additional Equipment and Spare Parts - Four (4) 10# capacity fire extinguishers will be mounted to the striper. Four (4) mounted "CAUTION HOT" placards shall be installed on the thermoplastic unit. Four (4) insulated covers for the material / manifold assemblies and exhaust vent stacks shall be provided. A vinyl cover for the rear console shall be provided. Aluminum fenders with mud flaps installed over the rear tires and wheels shall be provided. Conspicuous tape shall be installed along the striping platform.
23. Video Guidance System - A video guidance system shall be provided. System shall include an 8.3" color LCD "flat screen" monitor with suction mount. A padded storage case shall be provided and mounted in the chassis cab for storage of the monitor when not in use. Two (2) color cameras with 18mm auto iris lens shall be mounted inside an MRL (no exceptions) self-leveling weather resistant housings shall be supplied. The cameras shall be mounted on electrically actuated (extended) camera brackets with a left and right side controller switch installed in the chassis cab. The mounting bracket shall be mounted behind the chassis cab under the striping platform. The video guidance system shall incorporate a crosshair generator. The crosshair generator shall produce vertical and horizontal lines across the video monitor. Two (2) lockable tool boxes shall be provided at the rear of the platform. Two (2) air ride type operators' seats with arm rests shall be installed in the rear on the tool boxes and each equipped with seat belts.
24. Delivery - Delivery of the striping unit by the manufacturer to the purchaser's designated location shall be made within one (1) week after successful completion of the testing prior to shipment.
25. Shipping - The striper will be either shipped on an appropriate lowboy tractor trailer or driven by a qualified driver from the manufacturer's facility to the purchaser's designated destination at the manufacturer's expense.
26. Technical Training - After delivery of the pavement marking machine to the purchaser, a factory technician with a minimum of 48 months of traffic paint marking material application experience will provide two (4) consecutive days of training at the purchaser's specified location.
27. Technical Support - The manufacturer shall have a technical service and parts support group available through a toll free 800 number between the hours of 8:00 AM to 5:00 PM Central Standard Time. The manufacturer will maintain an inventory of common marking machine parts used on the specified unit.
28. Quality - All hoses, fittings, fasteners, bolts, and miscellaneous hardware used shall be properly designed and engineered for the purpose in which it is being used. The vehicle shall conform to all the latest Federal and State Safety standards. Prior to acceptance and final payment, it shall be demonstrated that the vehicle being furnished meets the requirements of the specifications and will undergo an on-site technical review to insure that all specifications have been fully and precisely met without deviation. All fabrication, assembly and paint techniques will provide a finished unit consistent or exceeding common industry standards.
29. Warranty - The striping equipment shall be warranted against defective materials and workmanship for a period of twenty-four (24) months after the machine is accepted and approved: Provided the machine is properly serviced, maintained, and operated under normal conditions and according to the manufacturer's instructions. All parts, pieces, and equipment not manufactured by the supplier shall be warranted according to their manufacturer's policies. No other warranty, express or implied is included. Manufacturer will not be liable for consequential damages of any kind.

30. References - A list of at least six (6) users of the specified machine with contact names and telephone numbers will be supplied.
31. Drawings - Professional quality drawings that will depict the equipment layout will be provided with the bid.
32. Manuals - Two (2) service, parts and troubleshooting manuals will be provided with the machine. The manuals will include all systems schematics and specific component literature.
33. Trade In - # 1460, 1997 GMC T-7500 paint striper. To view trade ins contact Richard Gatlin at (210) 207-7802.

ITEM	QUANTITY	DESCRIPTION
7	1 Each	Cab and Chassis (GVWR 35,000 lbs.), Digger Derrick, 120" cab to axle.

SPECIFICATIONS:

1. Truck - Cab and chassis only with cab grab handles, tilt hood, and fenders.
2. Engine - Diesel engine with a minimum ^{8.0} 7.8 liter, 275 hp and ¹⁰⁰⁰ 800 foot pounds of torque. The engine shall be equipped with an automatic engine shutdown with alarm.
3. GVWR - Minimum 35,000 lbs.
4. Transmission - The chassis shall be equipped with Allison 3500 RDS six (6) speed automatic, or proven equal with push button controls.
5. Front Axle - Minimum 12,000 lbs.
6. Rear Axle - Minimum 23,000 lbs., ratio geared to attain 61 mph +/-2 mph.
7. Suspension - Front springs 6,000 lbs. each at ground. Rear springs minimum 11,500 lbs. each at ground plus auxiliary springs.
8. Brakes - Four channel ABS, full air, S-cam service brakes, front minimum 16.5 x 5", rear minimum 16.5 x 7". Front and rear Rockwell or equal, automatic slack adjusters. Minimum ¹³² 15 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, and pull chains accessible from the side of the truck. Spring set parking brakes. All brake drums to be cast iron, outboard type. Quick connect coupling (Milton 747 or equal), connected to the emergency side of air system, to be located in a protected area near the front bumper.
9. Mirrors - Outside rear view mirrors, left and right sides, West Coast type, OEM.
10. Color - OEM white.

- 11. Wheels & Tires - Front and rear wheel seals to be Stemco Wet, ~~cast spoke~~ wheels, minimum 8.25" rims with minimum 12R-22.5 (NO EXCEPTIONS), minimum load range H, tubeless steel belted radial tires. Front tires conventional tread. Rear dual application to be self-cleaning lug design. (Goodyear G124 series or equal).
- 12. Two (2) front tow hooks installed on frame and strengthened sufficiently to pull truck.
- 13. Steering - Integral power steering.
- 14. Frame - Minimum ~~850,000~~ RBM. *1,500,000*
- 15. Tachometer equipped.
- 16. Fuel System - To be equipped with dual steel, right hand and left hand tanks, with total minimum capacity of 80 gallons. Right hand tank to be step type, left tank may be step or frame type not to extend more than 4" behind cab. Fuel filtration system to include primary and secondary type fuel filter(s).
- 17. Exhaust System - Muffler, vertical exhaust tailpipe, heat cover, rain cap, to be mounted to allow full utilization of specified cab-to-axle length.

BODY SPECIFICATIONS:

- 1. Successful bidder shall provide and install a center mount derrick with a minimum 15,000 lb. boom tip winch.

A. Lift Capacity Minimums:

Lift Capacity Minimums:

Boom Angle	Boom Retracted	2 nd Extended	2 nd in 3 rd Extended	2 nd and 3 rd Extended
80 degrees	24450	17550	20250	15200
10' radius	11500	9750	10250	9300
45 degrees	11000	6650	7100	5000
0 degrees	7150	4200	4500	2950

- B. Sheave Height: Minimum 40.9 feet.
- C. Load Radius: Minimum 30.8 feet.
- D. Fiberglass hydraulic third stage boom certified for rated line voltage up to and including 46 KVAC.
- E. Dual lift cylinders, continuous rotation, self aligning swivel ball bushings, box fabricated booms.

Single or Dual

2. Command post with single stick control:
 - A. Must be capable of allowing operator to use one hand to operate three functions - rotation, boom elevation and boom extension. Other functions will have individual controls.
 - B. Controls to be full pressure, full flow hydraulic.
 - C. Mounted to the curb side of the turret.
 - D. Hydraulic foot throttle.
 - E. Glycerin-filled pressure gauge.
3. Minimum 12,000 ft. - lb. two speed digger:
 - A. Planetary gear drive.
 - B. Hydraulic digger shift.
 - C. Hydraulic auger release.
 - D. Minimum 60 inch long x 2 5/8 inch hex auger shaft.
 - E. Digger hanger with transfer protection system.
 - F. Auger storage bracket, left side mounted.
 - G. Self-latching auger catch with safety pin and auger rollup cable.
 - H. Stores up to 24 inch auger in the standard position.
4. Digger storage protection to protect auger storage cable from damage caused by over-winding.
5. Tilt pole plummer for transferable pole buddy:
 - A. Must transfer from end of second section to end of third section.
 - B. To be installed on transferable pole buddy flange assembly.
 - C. Hydraulic cylinders to operate the tilt and open/close.
 - D. Hydraulic valve for tilt pole plummer tilt cylinder.
6. Shut-off valve in suction line.
7. Hydraulic overload protection for rotation, 2nd section, 3rd section, winch, and digger.
8. Auxiliary hydraulic tool power below rotation with control in outrigger valve bank.
9. Flow divider for hydraulic tool outlets below rotation.
10. Extra heavy duty A-frame main outriggers:
 - A. Minimum 149" spread pin to pin and 161" to outside of pads.

- B. Minimum 11" penetration based on 40" frame height.
 - C. Minimum 12" x 12" swivel pads.
 - D. Main outrigger controls at rear, one each side.
11. Heavy duty A-frame auxiliary outriggers:
- A. Minimum 151" spread pin to pin and 162" to outside of pads.
 - B. Minimum 13" penetration based on 40" frame height.
 - C. Minimum 12" x 12" swivel pads.
 - D. Auxiliary outrigger controls at rear, one each side.
12. Sub-frame and tie-down for 120" cab to axle.
13. Minimum 4 channel electric collector ring.
14. Start/stop at command post.
15. Electrical control switch panel to be used in conjunction with start/ stop system.
16. Command post access step.
17. Hose kit for derrick mounted over rear axle.
18. Muffler shield.
19. Pengo 18" auger with 2 5/8" minimum hex shaft and carbide teeth.
20. Spring loaded hose reel with minimum 25 feet of hydraulic hose, FSC stop collars and quick couplers. Hose reel mounted on top of platform at rear.
21. Auxiliary outrigger boom rest.
22. T-40-01 heavy duty transverse through compartment body installed behind the cab, minimum 40" L x 48" H x 92" W:
- A. Constructed of A-60 (iron zinc) alloy metal.
 - B. Double panel doors with paddle handle locks.
 - C. Stainless steel pin piano hinges.
 - D. Compartmentation:
 - 1. Curbside Minimums - Two 6" drawers with adjustable dividers. One 4" drawer with adjustable dividers. Friction slides and rear portion of compartment will contain a 36" tool board with tool bit holder, tool storage, "J" hooks (5) and straight hooks (2).
 - 2. Street-side Minimums - 40" vertical compartment with four (4) "J" hooks.

23. Guard rail to be on front and sides of T-40-01.
24. Heavy duty 10' treadplate platform mounted behind the T-40-01.
25. Minimum standard manufacturer's lighting package.
26. Minimum two platform grab rails at rear of platform.
27. Possum belly assembly with drop-down door at rear for long tool storage.
28. Minimum 20,000 lb. pintle hook complete with crossmember brace and two safety chain "D" rings.
29. Six-way trailer socket.
30. Amber strobe light with switch in cab.
31. Minimum two rubber wheel chocks with handles and storage racks, one each side.
32. Minimum 55' of 1" Samson or equal, 2 in 1 stable braid rope with quick hook installed on boom-tip winch.
33. Pole puller with minimum 8" x 12" base plate and chain.
34. Pole puller storage rack.
35. Outrigger pad racks installed under platform.
36. Four wood outrigger pads minimum 24" x 24".
37. Minimum three 20 minute fuses with holder.
38. Minimum 5 lb. fire extinguisher with mount bracket.
39. Triangle reflector kit with storage box.
40. Paint derrick, platform and T-40 to match cab and chassis.
41. Non-skid paint on walk surfaces.
42. Acceptable Model - Telelect Commander 4040 or proven equal.
43. Trade In - City unit # 1449, 2000 International 4700 with digger derrick. To view trade in contact Richard Gatlin at (210) 207-7802.

ITEM	QUANTITY	DESCRIPTION
8	3 Each	Cab and Chassis (GVWR 24,000 lbs.) with flare bodies.

SPECIFICATIONS:

1. Truck - Cab and chassis only with cab grab handles, tilt hood and fenders.
2. Engine - Diesel engine with a minimum ^{6.7 230 620} ~~7.8~~ liter, ~~275~~ hp and ~~800~~ foot pounds of torque. The engine shall be equipped with an automatic engine shutdown with alarm.
3. Transmission - Allison ^{2500 ADS} ~~MT643~~, or proven equal with external oil cooler (Hayden Model 1062F-1 or equal) in addition to radiator cooler, mounted in front of engine radiator and spin-on in-line filter.
4. GVWR - Minimum 24,000 lbs.
5. Rear Axle - Minimum 19,000 lbs., single speed, ratio geared to attain 60 mph +/- 2 mph.
6. Front Axle - Minimum 7000 lbs. ^{FT shafts}
7. Suspension - Rear axle equipped with heavy duty springs (minimum 17,000 lbs.) plus auxiliary springs.
8. Wheels & Tires - Front and rear wheel seals to be Stemco Wet, cast spoke wheels, minimum 8.25" rims with minimum ~~12R~~-22.5 (NO EXCEPTIONS), minimum load range H, tubeless steel belted radial tires. Front tires conventional tread. Rear dual application to be self-cleaning lug design. (Goodyear G124 series or equal). ^{11R225 C}
9. Color - OEM white.
10. Brakes - Four channel ABS, full air, S-cam service brakes, front minimum ^{13.2 15x4} ~~16.5~~ x 5", rear minimum 16.5 x 7". Front and rear Rockwell or equal, automatic slack adjusters. Minimum ~~45~~ CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, and pull chains accessible from the side of the truck. Spring set parking brakes. All brake drums to be cast iron, outboard type. Quick connect coupling (Milton 747 or equal), connected to the emergency side of air system, to be located in a protected area near the front bumper. ^{7 way slack w/ Brake Controller}
11. Mirrors - OEM inside standard type, outside, left and right, West Coast type.
12. Steering - Integral power steering.
13. Fuel System - To be equipped with under cab minimum 35 gallon steel, left and right hand tanks. Right hand tank to be step type, left hand tank may be step or frame type not to extend more than 4" behind cab. Fuel filtration system to include primary and secondary type fuel filters.
14. Cooling System - Largest capacity radiator with automatic viscous fan clutch or on/off fan clutch.
15. Frame - Minimum 850,000 RBM.

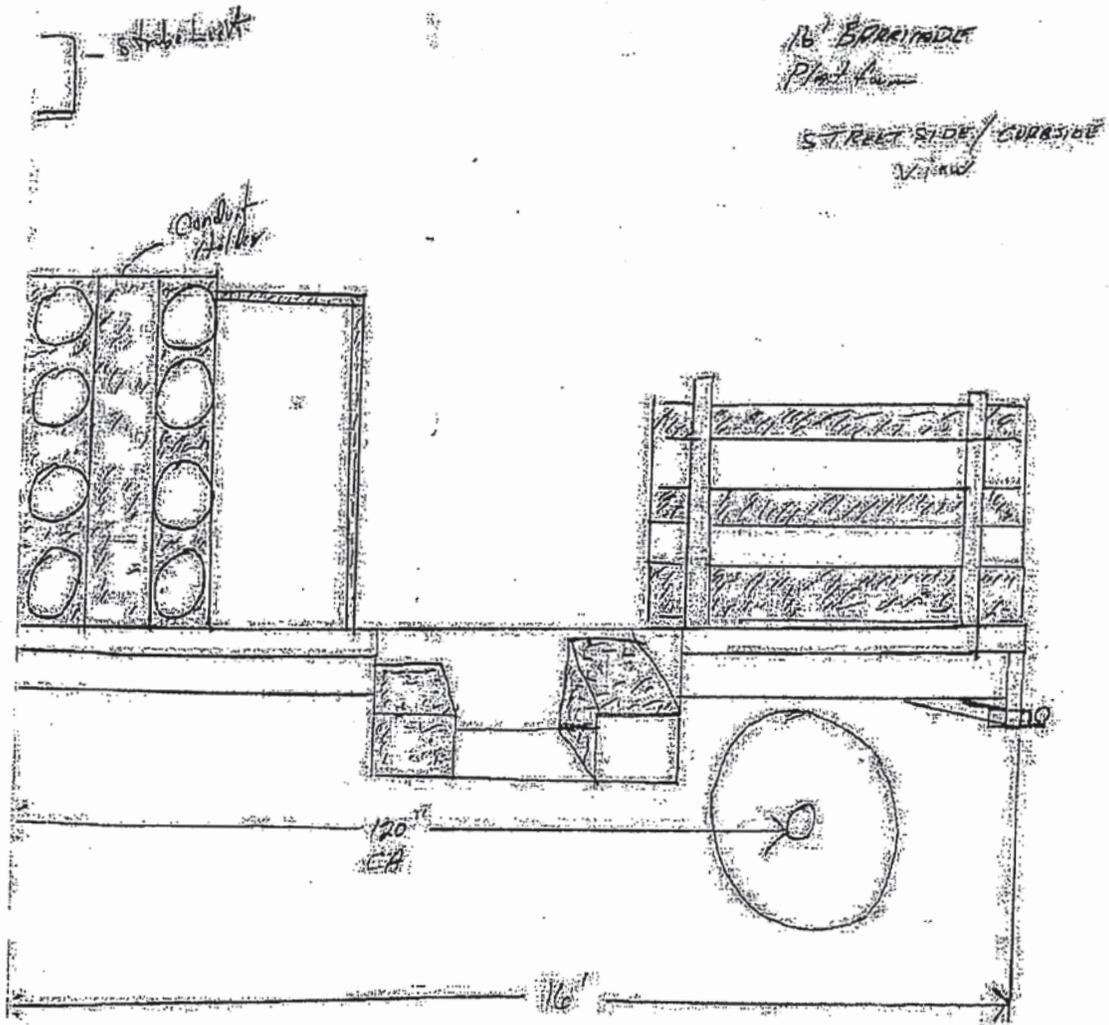
16. Exhaust System - Muffler, vertical exhaust pipe, heat cover, rain cap, to be mounted to allow full utilization of specified cab-to-axle length.

~~17. Bypass Oil Filter - To be Luber-finer Model 750C~~

18. Two (2) front tow hooks installed on frame and strengthened sufficiently to pull truck.

SPECIFICATIONS: Barricade Platform.

1. Nominal length - To be sixteen feet (16').
2. Width - To be minimum eight feet (8').
3. Header - To be rectangular and constructed of minimum 3" channel frame 1/8" smooth steel backing. Header must be 4" taller than chassis cab for mounting of strobe lights, lights to be mounted on top of the header in both corners.
4. Platform - To be constructed of minimum 6" structural long sills with minimum 4" structural channel crossmembers placed on 12" centers. Each crossmember to be gusseted to longsills except in recessed seating area for crewman placing cones. Platform deck to be constructed of minimum 1/8" treadplate. Side rails to have stake pockets to accommodate wooden stake side at rear portion of platform and across rear of platform. Conduit holder to be installed immediately behind header and be configured to hold eight (8) pipes that will store two (2) rows of four (4) and extend width of bed. Railings to be installed behind conduit holder to serve as extra storage area. Railings to be made of 10 gauge 2" X 2" square tubing. All surfaces that crewman walk on will be painted with non-skid material. Receiver tube at rear in HD ICC bumper that is reinforced and tied to chassis frame. All lights are to be of LED (Light Emitting Diode) type. Red and white reflective tape to be installed on sides and rear of platform. **Strobe Lights**
5. See diagram below.
6. Trade Ins - City unit #'s 1180 and 1181, 2000 International stake beds. City unit # 1272, 1999 International 4700 stake bed. To view trade ins contact Roland Mata at (210) 359-3100.



ITEM	QUANTITY	DESCRIPTION
9	2 Each	Cab and Chassis (GVWR 35,000 lbs.) with Fuel and Lube Bodies.

SPECIFICATIONS:

1. Truck - Cab and chassis only with cab grab handles, tilt hood and fenders.
2. Engine - Diesel engine with a minimum ^{8.0 300 950} ~~7.8~~ liter, ~~275~~ hp and ~~800~~ foot pounds of torque. The engine shall be equipped with an automatic engine shutdown with alarm.
3. Transmission - Allison ^{3000 RDS} ~~MT643~~, or proven equal with ~~external oil cooler (Hayden Model 1062F-1 or equal) in addition to radiator cooler, mounted in front of engine radiator and spin-on in-line filter.~~
4. GVWR - Minimum 35,000 lbs.
5. Rear Axle - Minimum 23,000 lbs., single speed, ratio geared to attain 70 mph +/- 2 mph.
6. Front Axle - Minimum 12,000 lbs. ^{Ft shock}
7. Suspension - Rear axle equipped with heavy duty springs (minimum 23,000 lbs.) plus auxiliary springs.
8. Wheels & Tires - Front and rear wheel seals to be Stemco Wet, ^{1 tub pilot} ~~cast spoke wheels~~, minimum 8.25" rims with minimum 12R-22.5 (NO EXCEPTIONS), minimum load range H, tubeless steel belted radial tires. Front tires conventional tread. Rear dual application to be self-cleaning lug design. (Goodyear G124 series or equal).
9. Color - OEM white.
10. Brakes - Four channel ABS, full air, S-cam service brakes, front minimum 16.5 x 5", rear minimum 16.5 x 7". Front and rear Rockwell or equal, automatic slack adjusters. Minimum 15 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, and pull chains accessible from the side of the truck. Spring set parking brakes. All brake drums to be cast iron, outboard type. Quick connect coupling (Milton 747 or equal), connected to the emergency side of air system, to be located in a protected area near the front bumper.
11. Mirrors - OEM inside standard type, outside, left and right, West Coast type.
12. Steering - Integral power steering.
13. Fuel System - To be equipped with under cab minimum ^{70 GAL} ~~35~~ gallon steel, left and right hand tanks. Right hand tank to be step type, left hand tank may be step or frame type not to extend more than 4" behind cab. Fuel filtration system to include primary and secondary type fuel filters.
14. Cooling System - Largest capacity radiator with automatic ~~viscous fan clutch~~ or on/off fan clutch.
15. Frame - Minimum ~~850,000~~ RBM. ^{1,500,000}

16. Exhaust System - Muffler, vertical exhaust pipe, heat cover, rain cap, to be mounted to allow full utilization of specified cab-to-axle length.

~~17. Bypass Oil Filter - To be Luberfiner Model 750C.~~

18. Two (2) front tow hooks installed on frame and strengthened sufficiently to pull truck.

SPECIFICATIONS: Fuel and Lube Bodies.

1. 1,000 gallon dual compartment diesel tank: 700 gallon red diesel, 300 gallon auxiliary fuel.
2. CTE, or proven equal gear type hydraulic driven diesel pump on main Reelcraft, or proven equal fuel reel with 50' of 1" hose and 1" fuel nozzle with Fillrite, or proven equal meter. Fillrite, or proven equal 12 GPM 12 volt electric pump on auxiliary tank with Fillrite, or proven equal meter. Three (3) 120 gallon oil product tanks with CTE, or proven equal product pumps. One 60 gallon oil product tank with CTE, or proven equal product pumps. Reelcraft reel with 50' of 1/2" hose and nozzle.
3. Graco Badger, or proven equal meters on each product. This is a different system.
4. 120 gallon waste oil recovery system with 1:1 diaphragm pump and Reelcraft, or proven equal reel with 50' of 1" hose.
5. One 60 gallon water/antifreeze tank with 1:1 diaphragm pump and Reelcraft, or proven equal reel with 50' of 3/8" hose.
6. 120 lb. grease station with Graco, or proven equal 50:1 Fireball, or proven equal pump and Reelcraft, or proven equal reel with 50' of 3/8" of hose.
7. 24 CFM direct drive hydraulically driven Ingersoll Rand, or proven equal, air compressor with 30 gallon reservoir.
8. Rear reel cabinets with roll up doors and center walkway.
9. Spill containment sump and drivers side filter drawer.
10. Lockable under tank storage compartments.
11. Trade Ins - City unit#'s 1091, 1998 International fuel and lube truck and unit # 1092, 1997 International fuel and lube truck. To view trade ins contact Roland Mata at (210) 359-3100.

PRICE SCHEDULE

ITEM	QUANTITY	DESCRIPTION
1	3 EACH	Minimum 35,000 lbs GVWR Lbs., 7 CY Dump Trucks.

\$ 68,504 Price Each \$ 205,512 TOTAL

LESS TRADE-IN UNITS:

UNIT # 2417	2000 INTERNATIONAL 4700	\$ <u>13,550</u>
UNIT # 1371	1996 INTERNATIONAL 4700	\$ <u>10,550</u>
UNIT # 2420	2000 INTERNATIONAL 4700	\$ <u>13,550</u>
TOTAL LESS TRADE INS		\$ <u>167,862</u>

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

2009 Sterling Aterra

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

Allison 3500 RDS

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

Cummins ISC 260 HP

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

DAVIS TA 7-10 Dump Body

DELIVERY: Delivery will be made within 150-180 calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
2 A	6 EACH	Cab and Chassis, Minimum 52,000 GVWR, 102" usable cab to axle.

\$ 81,293 Price Each \$ 487,758 TOTAL

LESS TRADE-IN UNITS:

UNIT # 1196	1998 INTERNATIONAL 4700	\$ <u>11,550</u>
UNIT # 1200	1999 INTERNATIONAL 2574	\$ <u>12,550</u>
UNIT # 1222	1999 INTERNATIONAL 2574	\$ <u>12,550</u>
UNIT # 1226	1999 INTERNATIONAL 2574	\$ <u>12,550</u>
UNIT # 1231	1999 INTERNATIONAL 2574	\$ <u>12,550</u>
UNIT # 1198	1998 INTERNATIONAL 4700	\$ <u>11,550</u>

TOTAL LESS TRADE INS \$ 414,458

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

2009 Sterling LT9513

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

Fuller FR015210 C

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

Detroit 6D-14.0L 455 H.P. 1550 Torque

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

PTD - wet kit / SA Arulce

DELIVERY: Delivery will be made within 150-180 calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
2 B	3 EACH	Cab and Chassis, Minimum 52,000 GVWR, ¹²⁰ 120" usable cab to axle. Same as Item 2 A with winch.

\$ 105,076 Price Each \$ 315,228 TOTAL

LESS TRADE-IN UNITS:

UNIT # 1257	1998 INTERNATIONAL 2574	\$ <u>14,500</u>
UNIT # 1335	2000 INTERNATIONAL 2574	\$ <u>17,500</u>
UNIT # 1391	2000 INTERNATIONAL 2574	\$ <u>17,500</u>
TOTAL LESS TRADE INS		\$ <u>266,228</u>

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

2009 Sterling LT9513

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

Fuller FR015210 C

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

Detroit 60-14.0L 455 H.P. 1550 Torque

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

Bradley Wench HP754 wet kit Washpak Trailer

180-220

DELIVERY: Delivery will be made within _____ calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
3	14 EACH	Cab and Chassis, Minimum 50,000 lbs. GVWR, 12 CY Dump Trucks

\$ 88,373 Price Each \$ 1,237,222 TOTAL

LESS TRADE-IN UNITS:

UNIT # 1271	2002 STERLING	\$ <u>22,500</u>
UNIT # 1336	2000 INTERNATIONAL 4700	\$ <u>18,000</u>
UNIT # 1337	2000 INTERNATIONAL 4700	\$ <u>18,000</u>
UNIT # 1338	2000 INTERNATIONAL 4700	\$ <u>18,000</u>
UNIT # 1344	1999 INTERNATIONAL 2574	\$ <u>18,000</u>
UNIT # 1345	1999 INTERNATIONAL 2574	\$ <u>18,000</u>
UNIT # 1346	1999 INTERNATIONAL 2574	\$ <u>18,000</u>
UNIT # 1347	1999 INTERNATIONAL 2574	\$ <u>18,000</u>
UNIT # 1348	1999 INTERNATIONAL 2574	\$ <u>18,000</u>
UNIT # 1349	1999 INTERNATIONAL 2574	\$ <u>18,000</u>
UNIT # 1358	2000 INTERNATIONAL 4700	\$ <u>18,000</u>
UNIT # 1362	2000 INTERNATIONAL 4700	\$ <u>18,000</u>
UNIT # 1378	2000 INTERNATIONAL 4700	\$ <u>18,000</u>
UNIT # 1377	2000 INTERNATIONAL 4700	\$ <u>18,500</u>
TOTAL LESS TRADE INS		\$ <u>980,722</u>

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

2009 Sterling LT 9500

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

Fuller FR015210 C

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

Detroit MBE 4000 - 435 H.P. 1550 Torque

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

Davis FMT 10-14 Dump Body
130 - 180

DELIVERY: Delivery will be made within _____ calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
4	4 EACH	18+ Cubic Yard, High Compaction, Rear Load, Refuse Collection Truck

~~\$ _____ Price Each \$ _____ TOTAL~~

~~LESS TRADE-IN UNITS:~~

UNIT # 4860	2000	INTERNATIONAL 4900	\$ _____
UNIT # 4861	2000	INTERNATIONAL 4900	\$ _____
UNIT # 4870	2000	INTERNATIONAL 4700	\$ _____
UNIT # 4871	2000	INTERNATIONAL 4700	\$ _____
TOTAL LESS TRADE INS			\$ _____

~~**BIDDER MUST FILL IN THE FOLLOWING:**~~

~~A) MAKE & MODEL CAB & CHASSIS OFFERED:~~

~~_____~~

~~B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:~~

~~_____~~

~~C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):~~

~~_____~~

~~D) SPECIFIC MAKE & MODEL OF BODY OFFERED:~~

~~_____~~

~~DELIVERY: Delivery will be made within _____ calendar days after issuance of purchase order.~~

ITEM	QUANTITY	DESCRIPTION
5	4 EACH	Minimum 35,000 GVWR Lbs., 2,000 Gallon Water Distribution Trucks.

\$ 89,323 Price Each \$ 357,292 TOTAL

LESS TRADE-IN UNITS:

UNIT # 1232 2000 INTERNATIONAL 4700 \$ 16,500

UNIT # 1234 2000 INTERNATIONAL 4700 \$ 16,500

~~UNIT # 4524 1997 INTERNATIONAL 4700 \$~~

UNIT # 1235 2000 INTERNATIONAL 4700 \$ 16,500

TOTAL LESS TRADE INS \$ 307,792

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

2009 Sterling Acterra

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

Allison 3500 RDS

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

Cummins ISB 260 H.P. 420 Torque

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

Stuyve 1900 gallon Pressure
120-145

DELIVERY: Delivery will be made within _____ calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
6	1 EACH	Truck, Paint Striper.

\$ no bid Price Each \$ _____ TOTAL

LESS TRADE-IN UNITS:

UNIT # 1460 1997 GMC T 7500 \$ _____

TOTAL LESS TRADE INS \$ _____

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

DELIVERY: Delivery will be made within _____ calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
7	1 EACH	Cab and Chassis (GVWR 35,000 lbs.), Digger Derrick, 120" cab to axle.

7 1 EACH Cab and Chassis (GVWR 35,000 lbs.), Digger Derrick, 120" cab to axle.

\$ 146,765 Price Each \$ 146,765 TOTAL

LESS TRADE-IN UNITS:

UNIT # 1449 2000 INTERNATIONAL 4700 \$ 27,000
 TOTAL LESS TRADE INS \$ 119,745

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

2009 Sterling Acterra

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

Allison 3000 RDS

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

Cummins ISc 315 H.P. 1000 LB FT TORQUE

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

Terex Telect Commander 4042

DELIVERY: Delivery will be made within 240-270 calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
8	3 EACH	Cab and Chassis (GVWR 24,000 lbs.) with flare bodies.

\$ 56,903 Price Each \$ 170,709 TOTAL

LESS TRADE-IN UNITS:

UNIT # 1180 2000 INTERNATIONAL 4700 \$ 7500
 UNIT # 1181 2000 INTERNATIONAL 4700 \$ 7500
 UNIT # 1272 1999 INTERNATIONAL 4700 \$ 7500
 TOTAL LESS TRADE INS \$ 148,209

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

2009 Ford F750

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

Allison 2500 RDS

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

Cummins ISB 240 H.P. 420 Torque

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

Walsh Flare Body
120-180

DELIVERY: Delivery will be made within _____ calendar days after issuance of purchase order.

TEM	QUANTITY	DESCRIPTION
9	2 EACH	Cab and Chassis (GVWR 35,000 lbs.) with Fuel and Lube Bodies.

\$ 130,406 Price Each \$ 206,812 TOTAL
260,812.00

LESS TRADE-IN UNITS:

UNIT # 1091	1998 INTERNATIONAL 4700	\$ <u>17,500</u>
UNIT # 1092	1997 INTERNATIONAL 4700	\$ <u>17,500</u>
TOTAL LESS TRADE INS		\$ <u>171,812</u>
		225,812.00

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

2009 Sterling Acterra

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

Allison 3000 RDS

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

Cummins ISC 315 H.P. 1000 Torque

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

CTE Single Axle Hydraulic Operated Fuel and Lube ¹⁵⁰⁻²²⁰ and

DELIVERY: Delivery will be made within _____ calendar days after issuance of purchase order.

Statement:

"Effective January 1, 2006, Chapter 176 of the Texas Local Government Code requires that persons, or their agents, who seek to contract for the sale or purchase of property, goods, or services with the City, shall file a completed conflict of interest questionnaire with the City Clerk not later than the 7th business day after the date that the person: (1) begins contract discussions or negotiations with the City; or (2) submits to the City an application, response to a request for proposals or bids, correspondence, or another writing related to a potential agreement with the City. The conflict of interest questionnaire form is available from the Texas Ethics Commission at www.ethics.state.tx.us <<http://www.ethics.state.tx.us>>. Completed conflict of interest questionnaires may be mailed or delivered by hand to the Office of the City Clerk. If mailing a completed conflict of interest questionnaire, mail to: Office of the City Clerk, P.O. Box 839966, San Antonio, TX 78283-3966. If delivering a completed conflict of interest questionnaire, deliver to: Office of the City Clerk, City Hall, 2nd floor, 100 Military Plaza, San Antonio, TX 78205."

IMPORTANT MAILING INSTRUCTIONS:

MAIL TO: CITY CLERK
P.O. BOX 839966
SAN ANTONIO, TX 78283-3966

PHYSICAL ADDRESS: CITY CLERK
CITY HALL (COMMERCE ST. & FLORES ST.)
100 MILITARY PLAZA, 2ND FLOOR
SAN ANTONIO, TEXAS 78205

MARK ENVELOPE: "BID TO FURNISH MEDIUM / HEAVY DUTY TRUCKS"
BIDS TO BE OPENED: 2:00 P.M., May 23, 2008
BID NO. 08-054 ND

REMARKS:



CITY OF SAN ANTONIO

P.O. Box 839966
SAN ANTONIO, TEXAS 78283-3966

ADDENDUM I

SUBJECT: Formal Invitation for Bids for Medium and Heavy Duty Trucks (08-054 ND)-scheduled to open May 23, 2008, date of issue May 5, 2008.

FROM: Denise Gallegos, CPPB, Purchasing and Contract Administrator

DATE: May 15, 2008

THE ABOVE MENTIONED BID IS HEREBY AMENDED AS FOLLOWS:

1. Page 11, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 8, Delete sentence 2.
2. Page 12, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 18, Change to read: "Transmission temperature gauge required on all automatic transmissions."
3. Page 12, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 19, Sub paragraph F, Change to read: "Tilt steering column."
4. Page 12, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 19, Add sub paragraph S to read: "A bug screen to be installed behind all grilles."
5. Page 12, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 19, Add sub paragraph T to read: "Tow hooks to be mounted on front frame rails and capable of towing the truck."
6. Page 12, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 19, Add sub paragraph U to read: "All driver seats to be of air ride design."
7. Page 12, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 19, Add sub paragraph V to read: "An 8" convex mirror to be installed below the door mirror on both sides and a fender mirror to be installed on the right fender."

22. Page 17, Item 2 B, Paragraph 1, Delete sub paragraphs A, B, C, and D.
23. ~~Page 17, Item 2 B, Paragraph 1, Add sub paragraph A to read: "Planetary hydraulic winch, 75,000 lbs. single wrap line pull capacity, two (2) speeds forward, two (2) speeds reverse. 75 gallon side mount oil reservoir filled to capacity with SAE 10 hydraulic oil. Eight (8) bolt full torque PTO as required, direct mount pump, minimum oil flow of 25 GPM at 700 RPM. 2,400 PSI, air controls for all winch functions, air feathering control for hand brake, 250' of 7/8" 6 X 37 RRL IWRC IPS cable with minimum three (3) connectors. Heavy duty mounting angles as required. Full width oil field type headache rack manufactured from 4" schedule 80 pipe, locking chain rack and tray on each side. Wet line kit as required for dump trailer, diverter valve with air control in cab, relief valve as required for 2,000 PSI, hydraulic hoses and quick couplers as required to work with City owned dump trailers."~~
24. Page 17, Item 3, Paragraph 1, Sentence 1, Change to read: "Diesel, minimum 12 liter water cooled, minimum 400 net horsepower rated at manufacturer's recommended RPM, producing a minimum of 1550 ft. lb. of gross torque."
25. Page 18, Item 3, Paragraph 3, Sentence 1, Change to read: "Transmission - Fuller FR15210-B or Fuller FRO-14210C, or proven equal."
26. Page 18, Item 3, Paragraph 6, Add sentence to read: "To include heavy duty front shocks."
27. Page 18, Item 3, Paragraph 8, Sentence 1, Change to read: "Minimum 40,000 lbs. capacity, Haulmax HMX, or proven equal."
28. Page 18, Item 3, Paragraph 16, Sentence 1, Change to read: "49,000 lb. swivel type pintle hook mounted approximately 33 1/2 inches from ground to center of pintle hook, 7 pin trailer electrical connection and glad hands compatible with ABS air brakes."
29. Page 20, Item 3, Add Paragraph 10 to read: "Color - Bodies to be white in color to match the cab and chassis."
30. Page 20, Item 4, Paragraph 3, Sentence 1, Change to read: "In line six (6) cylinder, minimum 7.6 liters, diesel, minimum 300 net HP rated at manufacturer's recommended RPM, producing a minimum of 1,000 lb. ft. of gross torque, with on/off fan clutch."
31. Page 21, Item 4, Paragraph 5, Sentence 1, Change to read: "Allison 3500 RDS, or proven equal."
32. Page 21, Item 4, Paragraph 8, Add sentence to read: "To be equipped with differential shift locks."

33. Page 21, Item 4, Paragraph 12, Sentence 2, Change to read: "Right hand tank to be step type, left tank may be step or frame type."
34. Page 22, Item 4, Paragraph 15, Delete sub paragraphs: "D, G, and I."
35. Page 23, Item 4, Paragraph 8, Sentence 1, Change to read: "Capacity of body to be minimum 18 cubic yards excluding loader hopper and hopper to be minimum 2.8 cubic yard capacity without extensions."
36. Page 24, Item 5, Paragraph 1, Sentence 1, Change to read: "Diesel, minimum 245 horsepower rated at manufacturer's recommended RPM, producing a minimum of 620 ft. lbs. of torque at a maximum of 1600 RPM, electronically governed to 68 MPH +/- 2 MPH."
37. Page 25, Item 5, Paragraph 2, Sentence 4, Change to read: "Pump/PTO shall automatically disengage when RPM exceeds manufacturer's recommended RPM."
38. Page 26, Item 5, Paragraph 14, Sentence 4, Change to read: "Fuel filtration to be combination filter/water separator."
39. Page 26, Item 5, Paragraph 2, Sentence 1, Change to read: "Minimum 1,900 to a maximum 2,200 gallon capacity of oval design and constructed of grade "A" steel; electrically welded throughout."
40. Page 27, Item 5, Paragraph 3, Sentence 1, Change to read: "To be manufactured of minimum 2 1/2" pipe installed at rear of tank and must provide an air gap of 6" and be visible from street level."
41. Page 27, Item 5, Paragraph 5, Sentence 2, Change to read: "Provide 50' of heavy duty 1" rubber hose on a retractable hose reel with an adjustable stream to mist nozzle."
42. Page 27, Item 5, Paragraph 6, Sentence 1, Change to read: "Install two (2) each minimum 2" adjustable brass shoes, one (1) on each side in the rear."
43. Page 27, Item 5, Paragraph 9, Add sentence to read: "On each side of water tank in minimum 3" letters (in Spanish and English) the words "Do not drink water, non potable"."
44. Page 30, Item 6, Paragraph 13, Delete sentence 37: "A steel pedestal mounted in the chassis cab to secure the switchbox while in "one-man" operation mode."
45. Page 36, Item 7, Paragraph 2, Sentence 1, Change to read: "Diesel engine with a minimum 8.0 liter, 275 hp and 1000 foot pounds of torque."
46. Page 36, Item 7, Paragraph 8, Sentence 2, Change to read: "Minimum 13.2 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic

drain valves Model KN24000 or equal, and pull chains accessible from the side of the truck."

47. Page 37, Item 7, Paragraph 14, Sentence 1, Change to read: "Frame - Minimum 1,500,000 RBM."
48. Page 37, Item 7, Paragraph 16, Sentence 2, Change to read: "Right hand tank to be step type, left tank may be step or frame type."
49. Page 37, BODY SPECIFICATIONS, Paragraph 1, Sub Paragraph E: Change to read: "Single or dual lift cylinders, continuous rotation, self aligning swivel ball bushings, box fabricated booms."
50. ~~Page 41, Item 8, Paragraph 2, Sentence 1, Change to read: "Diesel engine with a minimum 6.7 liter, 230 hp and 650 foot pounds of torque."~~
51. Page 41, Item 8, Paragraph 3, Sentence 1, Change to read: "Allison 2500 RDS, or proven equal."
52. Page 41, Item 8, Paragraph 6, Add sentence to read: "To include heavy duty front shocks."
53. Page 41, Item 8, Paragraph 8, Sentence 1, Change to read: "Front and rear wheel seals to be Stemco Wet, piloted hub wheels, minimum 8.25" rims with minimum 11R-22.5 (NO EXCEPTIONS), minimum load range G, tubeless steel belted radial tires."
54. Page 41, Item 8, Paragraph 10, Sentence 2, Change to read: "Minimum 13.2 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, and pull chains accessible from the side of the truck."
55. Page 41, Item 8, Paragraph 10, Add sentence to read: "7 way electric brake controller."
56. Page 42, Item 8, Delete Paragraph 17.
57. Page 42, Item 8, Paragraph 4, Add sentence to read: "Two (2) strobe lights to be mounted in rear skirt (Model 60 cut out with grommets) with all strobe lights to be on single switch."
58. Page 44, Item 9, Paragraph 2, Sentence 1, Change to read: "Diesel engine with a minimum 8.0 liter, 300 hp and 950 foot pounds of torque."
59. Page 44, Item 9, Paragraph 3, Change to read: "Allison 3000 RDS, or proven equal."
60. Page 44, Item 9, Paragraph 6, Add sentence to read: "To include heavy duty front shocks."

61. Page 44, Item 9, Paragraph 8, Sentence 1, Change to read: "Front and rear wheel seals to be Stemco Wet, piloted hub wheels, minimum 8.25" rims with minimum 12R-22.5 (NO EXCEPTIONS), minimum load range H tubeless steel belted radial tires."
62. Page 44, Item 9, Paragraph 10, Sentence 3, Change to read: "Minimum 13.2 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, and pull chains accessible from the side of the truck."
63. Page 44, Item 9, Paragraph 13, Sentence 1, Change to read: "To be equipped with under cab minimum 70 gallon steel, left or right hand tank."
64. Page 44, Item 9, Paragraph 14, Change to read: "Cooling System – Largest capacity radiator with on/off fan clutch."
65. Page 44, Item 9, Paragraph 15, Sentence 1, Change to read: "Frame - Minimum 1,500,000 RBM."
66. Page 45, Item 9, Delete Paragraph 17.
67. Page 48, Item 2 B, DESCRIPTION, Change to read: "Cab and Chassis, Minimum 52,000 GVWR, 120" usable cab to axle, Same as Item 2A with winch."

****THIS ADDENDUM TO BE SIGNED AND RETURNED WITH THE BID PACKAGE****

Denise Gallegos, CPPB
Purchasing and Contract Administrator
Purchasing & Contract Services Department

Date 5/22/2008

Company Name: Grande Truck Center

Address: 4562 I-10 East P.O. Box 201210

City / State / Zip Code SAN ANTONIO, TEXAS 78220

Signature Keril Sheffield



CITY OF SAN ANTONIO

P.O. Box 839966
SAN ANTONIO, TEXAS 78283-3966

ADDENDUM II

SUBJECT: Formal Invitation for Bids for Medium and Heavy Duty Trucks (08-054 ND)-scheduled to open May 23, 2008, date of issue May 5, 2008.

FROM: Denise Gallegos, CPPB, Purchasing and Contract Administrator

DATE: May 16, 2008

THE ABOVE MENTIONED BID IS HEREBY AMENDED AS FOLLOWS:

1. Page 28, Item 6, Paragraph 6, Sentence 2, Change to read: "It shall be equipped with a minimum 12.9 CFM air compressor."
2. Page 37, Item 7, Paragraph 11, Sentence 1, Change to read: "Front and rear wheel seals to be Stemco Wet, hub piloted wheels, minimum 8.25" rims with minimum 12R-22.5 (NO EXCEPTIONS), minimum load range H, tubeless steel belted radial tires."

****THIS ADDENDUM TO BE SIGNED AND RETURNED WITH THE BID PACKAGE****

Denise Gallegos, CPPB
Purchasing and Contract Administrator
Purchasing & Contract Services Department

Date 5/22/2008

Company Name: Grande Truck Center

Address: 4562 IIT 10 FIRST P.O. BOX 201210

City / State / Zip Code SAN ANTONIO, TEXAS 78220

Signature [Handwritten Signature]



CITY OF SAN ANTONIO

P.O. Box 839966
SAN ANTONIO, TEXAS 78283-3966

ADDENDUM III

SUBJECT: Formal Invitation for Bids for Medium and Heavy Duty Trucks (08-054 ND)-scheduled to open May 23, 2008, date of issue May 5, 2008.

FROM: Denise Gallegos, CPPB, Purchasing and Contract Administrator

DATE: May 20, 2008

THE ABOVE MENTIONED BID IS HEREBY AMENDED AS FOLLOWS:

1. Addendum I, Item Number 23, Delete in its entirety.
2. Page 17, Item 2 B, Paragraph 1, Add sub paragraph A to read: "Planetary hydraulic winch, 75,000 lbs. single wrap line pull capacity, two (2) speeds forward, two (2) speeds reverse. 75 gallon side mount oil reservoir filled to capacity with SAE 10 hydraulic oil. Eight (8) bolt full torque PTO as required, direct mount pump, minimum oil flow of 25 GPM at 700 RPM. 2,400 PSI, air controls for all winch functions, air feathering control for hand brake, 250' of 7/8" 6 X 37 RRL IWRC IPS cable with minimum three foot (3') cam alloy tail chain (minimum 7/8" links) and eye hook on end. Chain to be attached to cable with swage connector. Heavy duty mounting angles as required. Full width oil field type headache rack manufactured from 4" schedule 80 pipe, locking chain rack and tray on each side. Wet line kit as required for dump trailer, diverter valve with air control in cab, relief valve as required for 2,000 PSI, hydraulic hoses and quick couplers as required to work with City owned dump trailers."
3. Page 41, Item 8, Paragraph 10, Sentence 1, Change to read: "Four channel ABS, front and rear dust shields, minimum 15" X 4" front, minimum 16-1/2" X 7" rear brakes."

****THIS ADDENDUM TO BE SIGNED AND RETURNED WITH THE BID PACKAGE****

Denise O. Gallegos

Denise Gallegos, CPPB
Purchasing and Contract Administrator
Purchasing & Contract Services Department

Date 5/22/2008

Company Name: Grande Truck Center

Address: 4562 D14. 10 EAST P.O. BOX 201210

City/State/Zip Code SAN ANTONIO, TEXAS 78220

Signature Kurt Shiffelt



CITY OF SAN ANTONIO

P.O. Box 839966
SAN ANTONIO, TEXAS 78283-3966

ADDENDUM IV

SUBJECT: Formal Invitation for Bids for Medium and Heavy Duty Trucks (08-054 ND)-scheduled to open May 23, 2008, date of issue May 5, 2008.

FROM: Denise Gallegos, CPPB, Purchasing and Contract Administrator

DATE: May 21, 2008

THE ABOVE MENTIONED BID IS HEREBY AMENDED AS FOLLOWS:

1. The bid opening date is hereby extended to **May 30, 2008**.

****THIS ADDENDUM TO BE SIGNED AND RETURNED WITH THE BID PACKAGE****

Denise Gallegos, CPPB
Purchasing and Contract Administrator
Purchasing & Contract Services Department

Date 5/28/2008

Company Name: Grande Truck Center

Address: 4562 IH 10 East

City / State / Zip Code SAN ANTONIO, TEXAS 78219

Signature Kurt Altpeter



CITY OF SAN ANTONIO

P.O. Box 839966
SAN ANTONIO, TEXAS 78283-3966

ADDENDUM V

SUBJECT: Formal Invitation for Bids for Medium and Heavy Duty Trucks(08-054 ND)-scheduled to open May 30, 2008, date of issue May 5, 2008.

FROM: Denise Gallegos, CPPB, Purchasing and Contract Administrator

DATE: May 22, 2008

THE ABOVE MENTIONED BID IS HEREBY AMENDED AS FOLLOWS:

1. Page 20, Item 4, Delete in its entirety.
2. Page 27, Item 5, Paragraph 12, Delete 3rd sentence.
3. Addendum I, Paragraph 50, Delete in its entirety.
4. Page 41, Item 8, Paragraph 2, Sentence 1, Change to read, "Diesel with a minimum 6.7 liter, 230 hp and 620 foot pounds of torque."
5. Page 50, Price Schedule, Item 4, Delete in its entirety.
6. Page 51, Price Schedule, Item 5, Less Trade-In Units, Delete Unit #4524.

****THIS ADDENDUM TO BE SIGNED AND RETURNED WITH THE BID PACKAGE****

A handwritten signature in cursive script, reading "Denise Gallegos".

Denise Gallegos, CPPB
Purchasing and Contract Administrator
Purchasing & Contract Services Department

Date 5/28/2008

Company Name: Grande Truck Center

Address: 4562 IH 10 East

City / State / Zip Code San Antonio Texas 78219

Signature [Handwritten Signature]



CITY OF SAN ANTONIO

P.O. Box 839966
SAN ANTONIO, TEXAS 78283-3966

ADDENDUM VI

SUBJECT: Formal Invitation for Bids for Medium and Heavy Duty Trucks(08-054 ND)-scheduled to open May 30, 2008, date of issue May 5, 2008.

FROM: Denise Gallegos, CPPB, Purchasing and Contract Administrator

DATE: May 28, 2008

THE ABOVE MENTIONED BID IS HEREBY AMENDED AS FOLLOWS:

1. Page 11, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 8, Sentence 1, Change to read: "An operator's manual per unit, to include five (5) sets of parts and maintenance manuals or CD ROM per model of all equipment, accessories, and components will be required.

****THIS ADDENDUM TO BE SIGNED AND RETURNED WITH THE BID PACKAGE****

A handwritten signature in black ink, appearing to read 'Denise Gallegos'.

Denise Gallegos, CPPB
Purchasing and Contract Administrator
Purchasing & Contract Services Department

Date 5/28/2008

Company Name: Grande Truck Center

Address: 4562 I 10 East

City / State / Zip Code SAN Antonio, TEXAS 78219

Signature Keith Shiffert

TERMS AND CONDITIONS OF INVITATION FOR BIDS**READ CAREFULLY****1. GENERAL CONDITIONS**

Bidders (hereinafter "bidders", "vendors" or "contractors") are required to submit their bids upon the following expressed conditions:

- (a) Bidders shall thoroughly examine the drawings, specifications, schedule(s), instructions and all other contract documents.
- (b) Bidders shall make all investigations necessary to thoroughly inform themselves regarding plant and facilities for delivery of material and equipment as required by the bid conditions. No plea of ignorance by the bidder of conditions that exist or that may hereafter exist as a result of failure or omission on the part of the bidder to make the necessary examinations and investigations, or failure to fulfill in every detail the requirements of the contract documents, will be accepted as a basis for varying the requirements of the City or the compensation to the vendor.
- (c) Bidders are advised that all City contracts are subject to all legal requirements provided for in the City Charter and/or applicable City Ordinances, state and federal statutes. Any bid, after being opened, becomes subject to the Public Information Act, Government Code Chapter 552; therefore bidders must clearly indicate any portion of the submitted bid that the bidder claims is not subject to public inspection under the Public Information Act.
- (d) No officer or employee of the City shall have a financial interest, direct or indirect, in any contract with the City, or shall benefit financially, directly or indirectly, in the sale to the City of any materials, supplies or services, except on behalf of the City as an officer or employee. This prohibition extends to the City Public Service Board, San Antonio Water System, and all City boards and commissions other than those which are purely advisory. In this instance a City employee is defined as any employee of the City who is required to file a financial involvement report pursuant to the City's ethics ordinance.

2. PREPARATION OF BIDS

Bids will be prepared in accordance with the following:

- (a) All information required by the bid form shall be furnished or the bid may be deemed non responsive. The bidder shall print or type name and manually sign the schedule.
- (b) Where there is an error in extension of price, the unit price shall govern. Any bid that is considered for award by each unit or line item, must include a price for each unit or line item for which the bidder wishes to be considered. Any ambiguity in the bid as a result of omission, error, unintelligible or illegible wording shall be construed in the favor of the City.

Any bid that is considered for award on an "all or none" basis must include a price quote for all units or line items. In an "All or None" bid, a unit price left blank shall be tabulated as a "zero", and shall be deemed to be offered at no cost to the City.

- (c) Alternate bids may be allowed at the sole discretion of the City.

- (d) Proposed delivery time must be shown and shall include weekends and holidays, unless specified otherwise in this IFB.
- (e) Bidders will neither include federal taxes nor State of Texas limited sales excise and use taxes in bid prices since the City of San Antonio is exempt from payment of such taxes. An exemption certificate will be signed by City where applicable upon request by bidder.

3. DESCRIPTION OF SUPPLIES

Any catalog or manufacturer's reference used in describing an item is merely descriptive, and not restrictive, unless otherwise noted, and is used only to indicate type and quality of material. Each bid must clearly identify the proposed product, the quantity of the product, model, and type, as applicable. Prorata adjustments to packaging and pricing may be allowed at the sole discretion of the City.

4. ASSURANCE OF COMPLIANCE - EQUAL EMPLOYMENT OPPORTUNITY AND SMALL AND/OR MINORITY BUSINESS ADVOCACY REQUIREMENTS

It is the policy of the City of San Antonio that Small and/or Minority Business Enterprises shall have the maximum practicable opportunity to participate in the performance of public contracts. Bidder agrees that if this bid is accepted, he/she will not engage in employment practices which have the effect of discriminating against employees or prospective employees because of race, color, religion, national origin, sex, age, handicap or political belief or affiliation. In addition, bidder agrees, by submittal of this bid, that he/she will abide by all applicable terms and provisions of this Nondiscrimination Clause and the Small Business Advocacy Clause. These clauses are available in the City's Department of Economic and Employment Development and the City Clerk's Office.

5. SAMPLES, DEMONSTRATIONS AND TESTING

At the City's request and direction, bidder shall provide product samples and/or testing of items bid to ensure compliance with specifications. Samples, demonstrations and/or testing may be requested prior to award of the contract, upon delivery and/or at any point during the term of resulting contract. After notification, samples, demonstrations and/or testing must be provided within ten days. Failure to provide samples prior to award of contract will disqualify bidder from consideration. All samples (including return thereof), demonstrations and/or testing shall be at the expense of the bidder. Samples will be returned upon request; otherwise, samples will become property of the City of San Antonio, ten days after award of the contract.

6. SUBMISSION OF BIDS

- (a) Bids in triplicate shall be enclosed in sealed envelopes addressed to the City Clerk, City of San Antonio. The name and address of bidder, the date and hour of the bid opening, bid number and title of the bid solicitation shall be marked on the outside of the envelope(s).
- (b) Bids must be submitted on the forms furnished. Bids, however, may be modified provided such modifications are sealed and received by the City Clerk prior to the time and date set for the bid opening. However, the City of San Antonio shall not be responsible for lost or misdirected bids or modifications.
- (c) By submittal of this bid, bidder certifies to the best of his/her knowledge that all information is true and correct.

7. REJECTION OF BIDS

- (a) The City may reject a bid if:
1. The bidder misstates or conceals any material fact in the bid; or
 2. The bid does not strictly conform to law or the requirements of the bid;
 3. The bid is conditional, except that the bidder may qualify the bid for acceptance by the City on an "All or None" basis or a "Best Value Item" basis. An "All or None" basis bid must include all items upon which bids are invited.
- (b) In the event that a bidder is or subsequently becomes delinquent in the payment of his, her or its City taxes, including state and local sales taxes, such fact shall constitute grounds for rejection of the bid, or if awarded the bid, for cancellation of the contract. However, the City reserves the right to deduct any delinquent taxes from payments that the City may owe to the delinquent bidder as a result of such contract.
- (c) The City may, reject all bids whenever it is deemed in the best interest of the City to do so, and may reject any part of a bid unless the bid has been qualified as provided in Par. 7 (a) 3 above. The City at its sole discretion may also waive any minor informalities or irregularities in any bid, to include failure to submit sufficient bid copies, failure to submit literature or similar attachments, or business affiliation information.

8. WITHDRAWAL OF BIDS

Bids may not be withdrawn after the time set for the bid opening, unless approved by the City Council.

9. LATE BIDS OR MODIFICATIONS

Bids and modifications received after the time set for the bid opening will not be considered.

10. CLARIFICATION TO BID SPECIFICATIONS

- (a) If any person contemplating submitting a bid for this contract is in doubt as to the true meaning of the specifications, other bid documents, or any part thereof, he/she may submit to the City Director of Purchasing and Contract Services, (Director) on or before seven calendar days prior to scheduled opening, a request for clarification. All such requests for information shall be made in writing and the person submitting the request will be responsible for its prompt delivery. Any interpretation of the bid, if made, will be made only by Addendum duly issued. A copy of such Addendum will be mailed or delivered to each person receiving bids. The City will not be responsible for any other explanation or interpretation of the proposed bid made or given prior to the award of the contract. Any objections to the specifications and requirements as set forth in this bid must be filed in writing with the Director on or before seven calendar days prior to the scheduled opening.
- (b) The City reserves the right to request clarification to assist in evaluating the bidder's response when the bid response is unclear with respect to product pricing, packaging or other factors. The information provided is not intended to change the bid response in any fashion and such information must be provided within two days from request.

11. DISCOUNTS

- (a) In connection with any discount offered, time will be computed from the date of receipt of supplies or services, or from the date a correct invoice is received, whichever is the later date. Payment is deemed to be made on the date of mailing of the check.

12. AWARD OF CONTRACT

- (a) Per Section § 252.043 of the Texas Local Government Code, the contract will be awarded to either the lowest responsible bidder or to the bidder who provides goods and/or services at the best value for the City. In determining best value, the City may consider price, reputation, quality, past relationship with City, SBEDA requirements, long term cost and any other relevant factors.
- (b) The City reserves the right to accept any item or group of items on this bid, unless the bidder qualifies his/her bid by specific limitations, in accordance with Par.7 (a) 3 above.
- (c) A written award of acceptance (manifested by a City Ordinance) and appropriation mailed or otherwise furnished to the successful bidder results in a binding contract without further action by either party.
- (d) The City of San Antonio reserves the right to utilize previous purchases as a basis for evaluation of bids when future usages are unable to be determined.
- (e) Breaking of tie bids shall be in accordance with the Texas Local Government Code § 271.901.
- (f) Although the information furnished to bidders specified the approximate quantities needed, based on the best available information where a contract is let on a unit price basis, payment shall be based on the actual quantities supplied. The City reserves the right to delete items, prior to the awarding of the contract, and purchase said items by other means; or after the awarding of the contract, to increase or decrease the quantities bid in accordance with § 252.048 of the Texas Local Government Code. No changes shall be made without written notification of the City.

13. CONTRACT TERMINATION**TERMINATION-BREACH:**

- (a) Should vendor fail to fulfill in a timely and proper manner, as determined solely by the Director, its obligations under this contract, or violate any of the terms of this contract, the City shall have the right to immediately terminate the contract. Notice of termination shall be provided in writing to the contractor, effective upon the date set forth in the notice. Such termination shall not relieve the vendor of any liability to the City for damages sustained by virtue of any breach by the vendor.

TERMINATION-NOTICE:

- (b) The City may terminate this contract without cause. The City shall be required to give the vendor notice ten days prior to the date of termination of the contract without cause.

TERMINATION-FUNDING:

- (c) City retains the right to terminate this contract at the expiration of each of City's budget periods. This contract is conditioned on a best efforts attempt by City to obtain and appropriate funds for payment of any debt due by City herein.

14. DELIVERY OF GOODS/SERVICES

- (a) All materials are to be delivered F.O.B., City of San Antonio's designated facility.
- (b) Delivery dates pertaining to this invitation must be clearly stated in the bid form where required and include weekends and holidays. Failure to comply with this requirement may be a cause for disqualification of the bid. Unless otherwise specified, delivery at the earliest date is required. The bidder will clearly state in the bid the time required for delivery upon receipt of contract or purchase order. Proposed delivery time must be specific and such phrases "as required", "as soon as possible" or "prompt" may result in disqualification of the bid.
- (c) Upon award of a contract, the vendor is obligated to deliver the goods to the destination specified in the Invitation for Bids or the Purchase Order and bears the risk of loss until delivery. If this Invitation for Bids or Purchase Order does not contain delivery instructions, bidders shall request instructions in writing from the Director. If the delivery instructions contained in the Invitation for Bids allocate delivery costs and risks in a manner contrary to this section, the provisions of this Invitation for Bids shall prevail.
- (d) When delivery is not met as provided for in the contract, the Purchasing Department reserves the right to make the purchase on the open market, with any cost in excess of the contract price paid by the vendor, in addition to any other damages, direct or consequential, incurred by the City as a result thereof. In addition, failure of the vendor to meet the contract delivery dates will be cause for removal of the vendor from the City's list of eligible bidders as determined by the Purchasing & Contract Services Department.

15. PERFORMANCE DEPOSIT

- (a) The following provisions shall apply only when a performance deposit is specified as required in this Invitation for Bids.
- (b) The successful vendor must furnish the City of San Antonio with a performance deposit in the amount set forth in the Invitation For Bids. This deposit is not to be submitted with the bid, but must be presented to the Purchasing & Contract Services Department within ten days from request.
- (c) The City of San Antonio will not enter into a contract or issue a purchase order until the successful vendor has complied with the performance deposit provisions.
- (d) The performance deposit shall be in the form of a performance bond (in a form acceptable to the City Attorney), cashier's check, certified check upon a state or national bank or trust company, or a check on such bank or trust company signed by a duly authorized officer thereof (checks to be drawn payable to the City of San Antonio), or a Certificate of Deposit from such bank or trust company assigned to the City of San Antonio, or an irrevocable letter of credit from a state or national bank or trust company.
- (e) The performance deposit of the successful vendor shall be returned by the City upon completion of the contract and final acceptance of all items in accordance with conditions thereof.

- (f) Failure of successful vendor to perform any of the services required by this contract within ten days of receipt of written demand for performance from City, or failure of vendor to correct or replace defective goods or products within ten days from receipt of written demand therefore, shall constitute a total breach of this contract and shall cause this contract to terminate immediately upon the expiration of the ten day period. In the event of such termination, the performance deposit shall be retained by the City of San Antonio as liquidated damages, based upon mutual agreement and understanding between vendor and City at the time this bid is solicited, submitted and accepted, that the City of San Antonio is a governmental agency engaged in public projects, and that the measurement of damages, which might result from a breach of the terms and specifications herein is difficult or impossible to determine. However, the Director with the concurrence of the City Manager, may return all or part of the performance deposit to the vendor if the Director determines, in the Director's sole discretion, that the failure to perform the conditions of this contract was the result of acts or events over which the vendor had no control. The determination shall then be final and binding on all parties.

16. INDEPENDENT CONTRACTOR

It is expressly understood and agreed by both parties hereto that the City is contracting with the successful vendor as an independent contractor. The parties hereto understand and agree that the City shall not be liable for any claims which may be asserted by any third party occurring in connection with the services to be performed by the successful vendor under this contract and that the successful vendor has no authority to bind the City.

17. BID RESULT REQUEST

Any party who wishes to be provided documents relating to the bid results shall make a request in writing. Pursuant to state law, the City may assess a fee in order to recoup the cost related to providing the requested information.

18. PATENTS/COPYRIGHTS

The successful vendor agrees to indemnify and hold the City harmless from any claim involving patent infringement or copyrights on goods supplied.

19. INDEMNIFICATION

BIDDER covenants and agrees to FULLY INDEMNIFY and HOLD HARMLESS, the CITY and the elected officials, employees, officers, directors, volunteers and representatives of the CITY, individually and collectively, from and against any and all costs, claims, liens, damages, losses, expenses, fees, fines, penalties, proceedings, actions, demands, causes of action, liability and suits of any kind and nature, including but not limited to, personal or bodily injury, death and property damage, made upon the CITY directly or indirectly arising out of, resulting from or related to BIDDER'S activities under this contract, including any acts or omissions of BIDDER, any agent, officer, director, representative, employee, consultant or subcontractor of BIDDER, and their respective officers, agents employees, directors and representatives while in the exercise of performance of the rights or duties under this contract. The indemnity provided for in this paragraph shall not apply to any liability resulting from the negligence of CITY, its officers or employees, in instances where such negligence causes personal injury, death, or property damage. IN THE EVENT BIDDER AND CITY ARE FOUND JOINTLY LIABLE BY A COURT OF COMPETENT JURISDICTION, LIABILITY SHALL BE APPORTIONED COMPARATIVELY IN ACCORDANCE WITH THE LAWS FOR THE STATE OF TEXAS, WITHOUT, HOWEVER, WAIVING ANY GOVERNMENTAL IMMUNITY AVAILABLE TO THE CITY UNDER TEXAS LAW AND WITHOUT WAIVING ANY DEFENSES OF THE PARTIES UNDER TEXAS LAW.

The provisions of this INDEMNITY are solely for the benefit of the parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity. BIDDER shall advise the CITY in writing within 24 hours of any claim or demand against the CITY or BIDDER known to BIDDER related to or arising out of BIDDER's activities under this contract, and shall see to the investigation and defense of such claim or demand at BIDDER's cost. The CITY shall have the right, at its option and at its own expense, to participate in such defense without relieving BIDDER of any of its obligations under this paragraph.

20. INSURANCE

If required, specific insurance provisions will be included in bid specifications. An original, certified copy of an insurance certificate meeting the requirements set forth in these specifications will be submitted within 10 days upon request. The successful vendor will be required to maintain, at all times during performance of the contract, the insurance detailed in bid specifications. Failure to provide this document may result in disqualification of bid

21. ACCEPTANCE BY CITY

The City shall have a reasonable time (but not less than 30 days) after receipt to inspect the goods and services tendered by vendor. The City at its option may reject all or any portion of such goods or services which do not, in City's sole discretion, comply in every respect with all terms and conditions of the contract. The City may elect to reject the entire goods and services tendered even if only a portion thereof is nonconforming. If the City elects to accept nonconforming goods and services, the City, in addition to its other remedies, shall be entitled to deduct a reasonable amount from the price thereof to compensate the City for the nonconformity. Any acceptance by the City, even if non-conditional, shall not be deemed a waiver or settlement of any defect in such goods and services.

22. WARRANTY

The supplies or services furnished under this contract shall be covered by the most favorable commercial warranties given to any customer for same or similar supplies or services.

REJECTION OF DISCLAIMERS OF WARRANTIES & LIMITATIONS OF LIABILITY. ANY TERM OR CONDITION IN ANY DOCUMENT FURNISHED BY VENDOR, DISCLAIMING THE IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR ATTEMPTING TO LIMIT VENDOR'S LIABILITY SHALL BE OF NO FORCE OR EFFECT, AND SHALL BE STRICKEN FROM THE CONTRACT DOCUMENTS AS IF NEVER CONTAINED THEREIN.

23. CHANGE ORDERS

No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders will be made in writing by the City of San Antonio Purchasing & Contract Services Department.

24. ASSIGNMENT

Except as otherwise stated herein, Vendor may not sell, assign, pledge, transfer or convey any interest in this contract, nor delegate the performance of any duties hereunder, by transfer, by subcontracting or any other means, without the consent of Director. As a condition of such consent, if such consent is granted, Vendor shall remain liable for completion of the services and provision of goods outlined in this contract in the event of default by the

successor vendor, assignee, transferee or subcontractor. Any attempt to transfer, pledge or otherwise assign this Contract without said written approval, shall be void and shall confer no rights upon any third person.

25. INTERLOCAL PARTICIPATION

- (a) The City may, from time to time, enter into Interlocal Cooperation Purchasing Agreements with other governmental entities or governmental cooperatives (hereafter collectively referred to as "Entity" or "Entities") to enhance the City's purchasing power. At the City's sole discretion and option, City may inform other Entities that they may acquire items listed in this Invitation for Bids (hereafter "IFB"). Such acquisition(s) shall be at the prices stated herein, and shall be subject to bidder's acceptance. Entities desiring to acquire items listed in this IFB shall be listed on a rider attached hereto, if known at the time of issuance of the IFB. City may issue subsequent riders after contract award setting forth additional Entities desiring to utilize this bid. VENDOR shall sign and return any subsequently issued riders within ten calendar days of receipt.
- (b) In no event shall City be considered a dealer, remarketer, agent or other representative of Vendor or Entity. Further, City shall not be considered and is not an agent, partner or representative of the Entity making purchases hereunder, and shall not be obligated or liable for any such order.
- (c) Entity purchase orders shall be submitted to Vendor by the Entity.
- (d) Vendor authorizes City's use of Vendor's name, trademarks and Vendor provided materials in City's presentations and promotions regarding the availability of use of this contract. The City makes no representation or guarantee as to any minimum amount being purchased by City or Entities, or whether Entity will purchase utilizing City's contract.

CITY WILL NOT BE LIABLE OR RESPONSIBLE FOR ANY OBLIGATIONS, INCLUDING, BUT NOT LIMITED TO, PAYMENT, AND FOR ANY ITEM ORDERED BY AN ENTITY OTHER THAN CITY.

26. QUESTIONS

Questions regarding interpretation of bids, bid results or bid awards should be directed to the Purchasing & Contract Services Department at (210) 207-7260.

SPECIFICATIONS AND GENERAL REQUIREMENTS

SCOPE: The City of San Antonio is soliciting bids to furnish medium and heavy duty trucks in accordance with the specifications listed herein. These vehicles include cab and chassis, dump trucks, platform bodies, refuse trucks, and fuel and lube trucks. They will be utilized by various City departments including Parks, Public Works, and Solid Waste Management Departments.

GENERAL CONDITIONS: The following general conditions will apply to all items within this bid unless specifically excluded within any item.

1. Equipment shall be manufacturer's latest design, standard production model and shall have been manufactured within the last twelve (12) months. All components shall be installed new, unused, and shall be manufacturer's standard equipment unless otherwise specified or replaced herein. Equipment is to be inspected, serviced, and adjusted in accordance with manufacturer's recommended pre-delivery checklist, and ready for operation upon delivery. Manufacturer's Statement of Origin (MSO) showing manufacture within the last 12 calendar months, and completed pre-delivery checklists for chassis and body will be required at delivery. Equipment offered under the below listed specifications will be considered unacceptable if, for any reason, the equipment's, or major component's, long term availability on the U.S. market, or in the local area, is in doubt.
2. Warranty and Parts Dealer and manufacturer must provide the maximum standard manufacture's warranty on all components parts and service included. All components, parts and service are required to provide as a minimum one year unlimited mileage warranty. All warranty times to start the date the vehicle is placed in service, not on the delivery date. The dealer will be notified by letter of the in-service date of each vehicle by serial number. Warranty will be fully explained by attaching separate, authenticated correspondence or entering such information in the remarks section of this bid. Warranty, reliability, and replacement captive parts costs and availability shall be a consideration in award of this bid. Warranty parts and service must be available within Bexar County from and by a factory-authorized dealer (**NO EXCEPTIONS**). All warranty repairs will be completed within three (3) days from the date equipment is delivered to the vendor unless otherwise approved by the appropriate City of San Antonio maintenance superintendent. Bidders will certify that all repairs needed after the warranty period will be available within Bexar County.

DEALER NAME: SANTEX TRUCK CENTER LTD

ADDRESS: 1380 ACKERMAN RD. SAN ANTONIO, TX 78219

3. **Delivery - All deliveries are to be made inside the City limits of San Antonio. Vendor must deliver equipment to Brooks City Base, 8220 Lindbergh Landing, Building 1106; San Antonio, TX 78235. Delivery to a non-specified location will result in non-acceptance of the equipment by the City. All deliveries must be pre-arranged with a minimum 24-hour notification, NO EXCEPTIONS. Vehicles with more than 2000 miles accumulated on the odometer will not be accepted. All vehicles are required to have a full tank of fuel.**

4. All prices will be quoted F.O.B., designated City facility, freight prepaid. All bids will be submitted in triplicate and will include complete manufacturer's specifications for each model being bid. City of San Antonio reserves the right to increase or decrease quantity of units being purchased through December 31, 2008, depending on availability of funds. Prices may not be increased during this period; however, the City should benefit from any price decrease. Additional units may be purchased on an "as needed" basis. Successful vendor is required to notify the City of all production "cut-off" dates necessary for order submission.
5. All units to be equipped at the factory with air conditioning, full headliner, fresh air heater and defroster units, minimum AM/FM OEM radio. **All lights on cab and chassis and / or bodies are to be of light emitting diode (L.E.D.) type, except front turn signals.**
6. The Manufacturer's Statement of Origin (MSO) and an invoice are required upon delivery of each unit and before payment can be processed.
7. All accessories and equipment will be OEM. The manufacturer will rate all equipment provided as low emission.
8. Equipment Manuals – An operator's manual per unit, to include a parts and maintenance manual or CD ROM per model of all equipment, accessories, and components will be required. **All software to diagnose and adjust engine, transmission, anti lock brakes and any systems that require software must be included in this bid for five (5) repair centers.**
9. Air Conditioning – Air conditioning with integral heater and defroster units supplied under this specification to be OEM installed and designed for use with R-134A refrigerant. System must be capable of maintaining a temperature inside the operator cab of 70° F or less with an ambient temperature of not less than 95° F with a relative humidity of not less than 90%. As a minimum, system must have a radiator-mounted condenser, 3-speed fan and variable thermostat. If radiator mounted condenser is not practical, remote mount must be approved by the Fleet Maintenance and Operations Manager before installation. Roof mounted units not acceptable. All air conditioner components to be compatible and recommended for end item. All tractors and trucks in this bid must be equipped with this air conditioning and heater.
10. Maximum capacity cooling system offered by manufacturer.
11. Under this bid the left and right side is determined by sitting in the operator seat.
12. Vehicles to be equipped with State Inspection Decal.
13. Unless otherwise specified under individual items, vehicles provided will have a minimum of a driver's seat and one passenger seat.
14. All platform bodies are required to meet the following minimum specifications, unless otherwise specified; diamond plate to be minimum 3/16" with permanent all steel headboard, full width, with expanded metal window.

15. **A pre-bid conference will be conducted at 10:00 A.M., May 12, 2008. Location will be at Fleet Maintenance and Operations, 329 S. Frio, San Antonio, Texas.**
16. The City of San Antonio reserves the right to retain any trade-in units and accept equipment offered by the dealer, based on price quotations for the new equipment only, without consideration for trade-in values offered, or to use a combination of quoted new equipment price less trade-in offers, whichever is most advantageous to the City. Bids for outright purchase of trade-in equipment will be considered.
17. Under this bid, the City reserves the right to reject any bids and to waive irregularities and any requirements of the bid if deemed to be in the best interest of the City.
18. Transmission temperature gauge or light required on all automatic transmissions.
19. All trucks, tractors, and cab and chassis to be equipped with the following additional equipment unless specified otherwise in bid:
 - A. Air and electric horns required.
 - B. Integral power steering.
 - C. Turn indicators, front and rear, stop and tail lights.
 - D. Windshield washers and variable speed wipers.
 - E. Tachometer.
 - F. Adjustable steering column.
 - G. Cigar lighter/power receptacle for use with cell phone.
 - H. Water temperature, oil pressure, volt or amp gauges, and hour meter.
 - I. Back up alarm.
 - J. Minimum AM/FM radio.
 - K. DOT reflector flare kit, securely mounted inside cab.
 - L. 5 lb. fire extinguisher, securely mounted inside cab.
 - M. Tinted glass.
 - N. Insulated cab headliner.
 - O. All lights on cab and chassis and/or bodies are to be of light emitting diode (L.E.D.) type, except front turn signals.
 - P. Minimum O.E.M., or equal, shut down for high coolant temperature, low oil pressure. Engine fuel solenoid must be de-energized and engine automatically stopped when any of the functions being monitored are unsafe per the manufacturer's specifications, system must provide time limited override. System must provide audible and visual alarms for thirty seconds prior to shutdown.
 - Q. All automatic transmissions must use and be delivered with synthetic oil.
 - R. Three (3) sets of keys.

ITEM	QUANTITY	DESCRIPTION
1	3 Each	Minimum 35,000 lbs GVWR Lbs., 7 CY Dump. Trucks

SPECIFICATIONS CAB AND CHASSIS:

1. Engine – In line six (6) cylinder, minimum 8.0 liters, diesel, minimum 265 net HP rated at manufacturers recommended RPM, producing a minimum of 800 lb. ft. of gross torque, automatic viscous or on/off fan clutch. Cooling system to be the maximum capacity offered by the manufacturer to include water filter/conditioner with replaceable, spin-on filter. Configuration being offered must be certified by the engine and transmission manufacturers for this application. System to be protected to -20° F.
2. Transmission – Allison 2500 RDS, or proven equal, with spin-on in-line filter.
3. Front Axle - Minimum 12,000 lbs., equipped with hub piloted steel hubs, out-board mount type brake drums with Stemco or equal front wheel visible cap bearing oiler.
4. Rear Axle - Minimum 23,000 lbs, gear ratio installed must be capable of 68 MPH +/-2 MPH geared road speed at full engine governed RPM. Equipped with hub piloted steel hubs, out-board mount type brake drums. Stemco or equal oil seals.
5. Suspension – Equipped with manufacturer's heavy duty suspension applicable to axle ratings and overall gross vehicle weight.
6. Brakes - Full air, S-cam type, manufacturer's heavy duty brake shoes, spring set parking brakes. Front and rear Rockwell or equal, automatic slack adjusters. Minimum 13 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, and equipped with manual pull chains accessible from side of truck. Spring set parking brakes. All brake drums to be cast iron. Brake linings to be non-asbestos. Quick connect couplings to be located in a protected area near the front bumper. Couplings will not be mounted to the bumper. Male coupling ½" to air tanks, female coupling ½" to the air valve. Equipped with glad-hands suitable for ABS brakes.
7. Wheels & Tires - Wheels to be 10 hole hub piloted steel disk wheel, minimum 12R-22.5, steel belted tubeless radials, minimum load range H tires. Front tires to be conventional tread. Rear dual wheel application to be on-off, self-cleaning, lug design (Goodyear G124 series or equal).
8. Steering - Integral power steering.
9. Frame - Minimum 1,780,000 RBM, 110,000 PSI.
10. Fuel System - To be equipped with single or dual fuel tank(s), with total minimum capacity of 80 gallons.
11. Exhaust System – Horizontal Exhaust.

SPECIFICATIONS HYDRAULIC DUMP BODIES, 7 CY WATER LEVEL CAPACITY, 8 CY ENDS:

1. Standard Body Construction - Body to be 10' X 7' inside and be constructed of minimum 7 gauge steel that meets the ASTM A1011 High Tensile Standard. Body shall have a 2" radius between sides and floor to provide easier and cleaner discharge of load. Sides shall be adequately side braced and rub rails be sloped dirt-free self-cleaning type. All welds shall be continuous on floor side, head seams, braces, etc., NO SKIP WELDS. Side boards to be minimum 2" x 6" x 1/4" structural rectangular tubing. Long sills shall be constructed of minimum 5" I-beam with a 1/4" web. Crossmembers shall be constructed of minimum 4" I-beam with a 3/16" web. Crossmembers to be on maximum 12" centers, must extend under rub rails and side post, be gusseted to body long sills and welded to long sills on all sides. Rear corner posts shall be a minimum of 10" wide and constructed of minimum 7 gauge steel which meets the above mentioned standard. Body shall have a half size cab protector. Body sub-frame to have external guides installed to guide body into proper alignment with sub-frame, to prevent side movement during travel.
2. Tailgate - Tailgate shall be of the double-acting type, constructed with boxed type reinforcements on all sides with a basic sheet wrapped over top and under bottom with a minimum of two vertical box braces and one horizontal box brace in center, or one vertical box brace in center and two horizontal box braces. Base section must be of the sloped, dirt-free self-cleaning type. Upper tailgate hardware to be minimum 3/4" thick, flame cut steel. Tailgate locks must be easy to manipulate and provide firm locking. Tailgate spreader chains to be attached directly under upper tailgate crossmember and configured to allow multiple positioning of tailgate to include horizontal. All welds to be continuous, no spot or skip welding.
3. Pivots and Pins - All pivots shall be equipped with grease fittings.

Rear Hinge Pins - Minimum 2" O.D.
Upper Tailgate Pins - Minimum 1" O.D.
Lower Tailgate Pins - Minimum 1-1/4" O.D.
4. Hydraulics - Hoist shall be heavy duty, double lift arm hoist, Warren Model U60-823 Class 60, or proven equal, conforming to the most current National Truck Equipment Association's (N.T.E.A.) criteria for Class 60 lifting capacity. Hoist to be type V, underbody hoist, as defined in the N.T.E.A. second edition, Dump Body Hoist Chart. Fifty degree (50 degree) dump angle +/-2 degrees, with truck chassis frame tapered at rear to form a positive stop with rails of dump box (a full mating surface is required) at maximum dump angle. NO OTHER STOP IS ACCEPTABLE. Hydraulic pump to be close couple direct mount to power take off. Pump to be Chelsea or Munci (minimum 22 GPM at 1,400 RPM) or equal, air controlled with feathering valve. Hydraulic system to include in-line hydraulic filter. Power take off to be Chelsea 277XGFJPK5RB or equal, with electronic shift controls. Pump and P.T.O. controls to be firmly mounted in cab where it is easily accessible from driver's position. Cable or rod operated controls are not acceptable. Units will be provided with safety limit equipment designed to stop the dump body at its maximum dump angle. Safety limit equipment to include a flexible wand type switch, Micro BZE6-2RN18-8631, and an air solenoid valve rated at not less than 125 PSI, Humphrey 062E-3-11-20-35, no exceptions. Hoist installation must provide for use of the entire cylinder stroke when reaching maximum dump angle. The only acceptable substitute to the above requirement for a flexible wand type switch and air solenoid valve will be for a system designed with an internal bypass stroke limit system, Perfection Dump Hoist Design or proven equal. Hoist assemblies with the tie rod design for cylinder construction are not acceptable.

5. Other Equipment - All necessary clearance lights, marker lights, reflectors, mud flaps and mechanical backup alarm to be included and meet State Inspection requirements.
6. Work Quality - Bodies with inferior welds (i.e., pin holes and non-penetrating welds) will not be accepted. Welds on sub-frames or body components will be such as not to interfere with any other frame or body component. All components are to be new (overhauled items are NOT acceptable).
7. Dump Body Cover Assembly - Tarp system to be PullTarms, Universal Super Shield Automated Arm System, part number S9E, with steel arms, or proven equal. Motor will be mounted in the "down" position. A weather proof control panel, with a minimum 25-amp reset breaker, to operate tarp system will be located in the cab of the tractor.
8. Mud Flaps - Mud flaps manufactured of a rubber base material are to be installed on both sides of vehicle, front and rear of rear tires. Front mud flaps to have anti-sail device. Rear flaps to be free swinging. Mud flaps to be minimum 1.5 lbs. per square foot and plain black without identifying markings.
9. Trade Ins - City unit #'s 2417 and 2420 2000 International 7 cubic yard dump trucks. To view trade-in units contact Chuck Van Zandt at (210) 207-3066. For City unit # 1371 1996 International, contact Roland Mata at (210) 359-3100.

ITEM	QUANTITY	DESCRIPTION
2 A	6 Each	Cab and Chassis, Minimum 52,000 GVWR, 102" usable cab to axle.

SPECIFICATIONS:

1. Engine - Diesel, minimum 14 liter water cooled, minimum 345 net horsepower rated at manufacturer's recommended RPM, producing a minimum of 1400 ft. lb. of gross torque. Nominal torque rise minimum 25%, with viscous or electro magnetic fan clutch.
2. Electrical - Units to be equipped with three (3) minimum 12-volt, heavy duty batteries (total 1800 CCA).
3. Transmission - Fuller FR-14210-B, or proven equal.
4. Frame - Full depth, high performance, minimum 1,600,000 RBM.
5. Clutch - Minimum 15.5", 2 plate, heavy-duty ceramic faced. Release bearing to have Zerk extension hose.
6. Front Axle - Set back front axle with minimum 12,000 lbs. capacity with 12,000 lbs. spring with Stemco or proven equal front wheel bearing oiler.
7. Rear Axle - Single speed tandem drive, minimum 40,000 lbs. capacity, to be Rockwell RT 40-145 or equal. Gear ratio installed must be capable of 65 mph +/- 2 mph geared road speed at full engine governed RPM.
8. Rear Suspension - Minimum 40,000 lbs. capacity, Hendrickson RT-403 or equal.

9. Wheels & Tires - Wheels to be 10 hole hub piloted steel disk wheel, minimum 12R-22.5, steel belted tubeless radials, minimum load range H tires, on/off highway tread design. Front wheels to be highway tread design. Rear dual wheel application to be on-off, self-cleaning, lug design (Goodyear G124 series or equal).
10. Brakes - Full air, S-cam type, manufacture's heavy duty brake shoes, spring set parking brakes. Front and rear Rockwell or equal, automatic slack adjusters. Minimum 13 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal and equipped with manual pull chains accessible from the side of the truck. Spring set parking brakes on both rear axles. All brake drums to be cast iron. Brake linings to be non-asbestos. Quick connect couplings to be located in a protected area near the front bumper. Couplings will not be mounted to the bumper. Male coupling ½" to air tanks, female coupling ½" to the air valve. Equipped with glad-hands suitable for ABS brakes.
11. Fuel System - Single left or right hand metal tank mounted under cab or dual left and right hand step tanks mounted under cab. Minimum total fuel capacity to be 70 gallons. Tank(s) must not extend more than 4" behind cab. Fuel filtration to include primary and secondary filtering systems with automatic water separator.
12. Color - OEM white.
13. Hood - Tilt type hood.
14. Exhaust System - Muffler, vertical tailpipe, heat guard, and rain cap, mounted to allow full utilization of specified cab to trunion length.
15. Cooling System - Largest capacity radiator available with coolant conditioner spin-on element.
16. Accessories - Tractor air brake system and 7-line trailer connector.
17. Fifth Wheel - Holland FW 35 24.5" air slide or proven equal.
18. Wet Kit - A truck mounted wet kit will be provided and installed. A transmission mounted PTO and direct mount pump will be installed on the truck transmission (Fuller FR14210-B) which produces 50-90% of engine RPM. A metal hydraulic reservoir to be mounted behind cab and be a minimum of 75 gallon capacity. Hydraulic controls to be mounted inside truck cab readily accessible to the driver. All valves and fittings required to make wet kit and trailer completely operational to include one female quick coupler (Aeroquip 6-5100-2516 or equal) and one male quick coupler (Aeroquip 6-5100-52-16B or equal). Wet kit to be filled to capacity with SAE 10 hydraulic oil meeting MIL-L-46152 specifications.
19. Trade Ins - City unit #'s, 1196 and 1198, 1998 International, tractor with 5th wheel. City unit #'s 1200, 1222, 1226, 1231, 1999 International with 5th wheel. To view trade-ins, contact Roland Mata at (210) 359-3100.

ITEM	QUANTITY	DESCRIPTION
2 B	3 Each	Cab and Chassis, Minimum 52,000 GVWR, 102" usable cab to axle. Same as Item 2 A with winch.

SPECIFICATIONS:

1. Winch Assembly
 - A. Worm gear driven from power take-off unit through chain drive, air operated with 60,000 lb. single rap line pull. Chain drive must include idler type chain adjuster.
 - B. Drum to be supplied with 250 ft., 7/8" 6 x 37 RRL IWRC IPS cable, with minimum three (3) foot cam-alloy chain (minimum 7/8" link) and eye hook on end. Chain to be attached to cable with swage connector.
 - C. Controls to include de-clutching, engine throttling, engagement and disengagement, and other devices required and recommended by manufacturer for complete installation to make winch assembly fully operational upon delivery.
 - D. Winch to be fully air operated to include PTO, clutch, and brake. PTO to be full torque 8-hole with double drive chain to winch through a lay shaft. A full width oil field type cab protector with chain storage brackets left and right manufactured of 4" schedule 40 steel pipe is required. Operating controls to be installed at rear of cab on left side of vehicle.
 - E. Power take-off selected must meet with manufacture's recommended minimum requirements and provide cable power in and out function for the winch.
2. Trade Ins – City unit #'s, 1257, 1998 International, tractor with 5th wheel and winch. City unit #'s 1335 and 1391, 2000 International with 5th wheel and winch. To view trade-ins, contact Roland Mata at (210) 359-3100.

ITEM	QUANTITY	DESCRIPTION
3	14 Each	Cab and Chassis, Minimum 50,000 lbs. GVWR, 12 CY Dump Trucks

SPECIFICATIONS CAB AND CHASSIS (MINIMUM 50,000 GVWR):

1. Engine - Diesel, minimum 12 liter water cooled, minimum 345 net horsepower rated at manufacturer's recommended RPM, producing a minimum of 1400 ft. lb. of gross torque. Nominal torque rise minimum 25%, with viscous or electro magnetic fan clutch. Road speed to be electronically governed to 65 MPH +/- 2 MPH.
2. Electrical - Units to be equipped with three (3) minimum 12-volt, heavy duty batteries (total 1800 CCA). Minimum 130 amp alternator.

3. Transmission - Fuller FR14210-B or Fuller FRO-14210C, or proven equal.
4. Frame - Full depth, high performance, minimum 2,400,000 RBM.
5. Clutch - Minimum 15", 2-plate, heavy duty ceramic faced.
6. Front Axle - Minimum 12,000 lbs. capacity with 12,000 lbs. spring with Stemco or proven equal front wheel bearing oiler.
7. Rear Axle - Single speed tandem drive, minimum 40,000 lbs. capacity, to be Meritor RT 40-145 or equal. Gear ratio installed must be capable of 65 mph +/- 2 mph geared road speed at full engine governed RPM.
8. Rear Suspension - Minimum 40,000 lbs. capacity, Hendrickson RT-403 or equal.
9. Wheels & Tires - Wheels to be 10 hole hub piloted steel disk wheel, minimum 12R-22.5, steel belted tubeless radials, minimum load range H tires, on/off highway tread design. Front wheels to be highway tread design. Rear dual wheel application to be on-off, self-cleaning, lug design (Goodyear G124 series or equal).
10. Brakes - Full air, S-cam type, manufacture's heavy duty brake shoes, spring set parking brakes. Front and rear Rockwell or equal, automatic slack adjusters. Minimum 13 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, equipped with manual pull chains accessible from the side of the truck. Spring set parking brakes on both rear axles. All brake drums to be cast iron. Brake linings to be non-asbestos. Quick connect couplings to be located in a protected area near the front bumper. Couplings will not be mounted to the bumper. Male coupling 1/2" to air tanks, female coupling 1/2" to the air valve. Equipped with glad-hands suitable for ABS brakes.
11. Fuel System - Single left or right hand tank mounted under cab or dual left and right hand step tanks mounted under cab. Minimum total fuel capacity to be 70 gallons. Tank(s) must not extend more than 4" behind cab. Fuel filtration to include primary and secondary filtering systems. Fuel filtration to be combination primary filter, automatic water separator.
12. Color - OEM white.
13. Hood - Tilt type hood.
14. Exhaust System - Muffler, vertical tailpipe, heat guard, and rain cap, mounted to allow full utilization of specified cab-to-trunion length.
15. Cooling System - Cooling system adequate to maintain cooling ability as recommended by manufacturer. Coolant conditioner spin-on element.
16. Accessories - 49,000 lb. swivel type pintle hook mounted 33 1/2 inches from ground to center of pintle hook, 7 pin trailer electrical connection and glad hands compatible with ABS air brakes. Pintle hook, air and electrical connections will be located in a protected area that will not interfere with or be damaged by the operation of the dump body or objects being dumped.

SPECIFICATIONS HYDRAULIC DUMP BODIES: 12 CY WATER LEVEL CAPACITY, 14 YD Ends:

1. **Body Construction** - Body must be 14' x 7' inside and be constructed of minimum 7 gauge steel which meets the ASTM A1011 High Tensile Standard. Body must have a diagonal slope between sides and floor to provide cleaner discharge of load. Sides must be adequately side braced and rub rails be sloped dirt-free type. Floor to be constructed of minimum ¼" AR-400 steel. All welds must be continuous on floor seams, braces, etc., **NO SKIP WELDS**. Side boards of channel steel minimum 2.60" x 10" x .240" to be installed to present a smooth face on inside of body. Long sills must be constructed of 7" structural I-beam or channel (minimum). Crossmembers must be constructed of 4" 7.7 lbs. per foot structural I-beam or channel (minimum). Under structure must include standard front and rear 4" structural I-beams or channel and intermediate crossmembers maximum on 12" centers evenly spaced from front to rear. Rear corner posts must be a minimum of 10" wide and constructed of 7 gauge steel which meets the above mentioned standard. Body must have half size cab protector. Body sub-frame to have external guides installed to guide body into proper alignment with sub-frame and to prevent side movement during travel.
2. **Tailgate** - Tailgate must be of the double-acting type, constructed with boxed type reinforcements on all sides with a basic sheet wrapped over top and under bottom with a minimum of two vertical box braces and one horizontal box brace in center, or one vertical box brace in center and two horizontal box braces. Base section must be of the sloped, dirt-free type. Upper tailgate hardware 1" (minimum) thick flame cut steel. Tailgate latch 5/8" (minimum) thick flame cut steel.
3. **Pivots and Pins** - All pivots must be equipped with grease fittings. Rear hinge pins 2" O.D. minimum, upper tailgate pin 1" O.D. minimum. Lower tailgate pin 2" O.D. minimum.
4. **Hydraulics** - Hoist must be a class 110 minimum, full sub-frame type head mount telescopic hoist which conforms to National Truck Equipment Association (NTEA), Hydraulic Hoist and Dump Body Classification Chart. Fifty degree (50 degree) dump angle +/-2 degrees, with truck chassis frame tapered at rear to form a positive stop with rails of dump box at maximum dump angle. A full mating surface is required. **NO OTHER STOP IS ACCEPTABLE**. Hydraulic pump to be close couple direct mount to power take off. Pump to be Chelsea DPH50, minimum 25 GPM at 1,000 RPM, or equal air-controlled with feathering valve. Hydraulic system to include in-line hydraulic filter. Power take off to be Munci TG8 or equal with air shift controls. Pump and P.T.O. controls to be firmly mounted in cab where it is easily accessible from driver's position. Cable or rod operated controls are not acceptable. Unit will be provided with safety limit equipment designed to stop the dump body at its maximum dump angle. Safety limit equipment to include a flexible wand type switch, Micro BZE6-2RN18-8631, **NO EXCEPTIONS**, and an air solenoid valve rated at not less than 125 PSI, Humphrey 062E-1-3-11-20-35, **NO EXCEPTIONS**. Hoist installation must provide for use of the entire cylinder stroke when reaching maximum dump angle. Controls must include capability of hoisting, holding or lowering body.
5. **Other Equipment** - All necessary clearance lights, marker lights, reflectors, mud flaps and mechanical back up alarm to be included must meet State Inspection requirement. Four high intensity strobe lights to be installed, two (2) in, or near, the front bumper and two (2) flush mounted near the top of the rear tailgates.
6. **Work Quality** - Bodies with inferior welds (i.e., pin holes and non-penetrating welds) will not be accepted. Welds on sub-frames or body components will be such as not to interfere with any other frame or body components. All components are to be new (overhauled items are **NOT** acceptable).

7. Tarp system to have aluminum housing, minimum 12 gauge 1 5/8" steel tubing arms. Ground level control with removable crank, and locking gears. Chain cover and tarp to be same width as body inside. Housing to be mounted on cab protector. Acceptable model, Aero 400 or proven equal.
8. Mud Flaps - Mud flaps manufactured of a rubber base material are to be installed on both sides of vehicle front and rear of rear tires. Front mud flaps to have anti-sail device. Rear flaps to be free swinging. Mud flaps to be minimum 1.5 lbs. per square foot and plain black without identifying markings.
9. Trade In - City Unit 1344, 1345, 1346, 1347, 1348 and 1349, 1999 International, ten cubic yard dump trucks. 1271, 2002 Sterling. 1336, 1337, 1338, 1358, 1362, 1378 and 1377 2000 International, ten cubic yard dump trucks. To view trade in contact Roland Mata, at (210) 359-3100.

ITEM	QUANTITY	DESCRIPTION
4	4 Each	18+ Cubic Yard, High Compaction, Rear Load, Refuse Collection Truck

SPECIFICATIONS: Refuse Collection Cab And Chassis (Minimum 38,000 GVWR)

1. Cab - Standard cab with running boards, tilt hood and fenders, body colored exterior sun visor. Left and right hand cab grab handles, doors to have armrests. Units to be factory equipped with tinted glass, OEM air conditioner, integral heater, defroster units, cab headliner, and standard left and right side sun visor. Left and right outside mirrors West Coast type spring loaded, retractable, heavy-duty, 6" x 16", split focus type (approximately 2/3 flat area, 1/3 adjustable convex) mirrors, and manufacturer's minimum AM/FM radio. Heavy-duty vinyl split bench seat for driver and two passengers.
2. Electrical - Units to be equipped with four 12 volt, heavy-duty batteries (minimum 2700 CCA) and battery disconnect switch. Alternator to be 12 volt, minimum 130 amps, and gauge of lead wires to be sufficient for calculated load for this application. All wiring must be abrasion resistant and designated for severe service/heavy-duty use. Circuit breakers, manual reset with trip indicator, to be used in place of fuses in excess of 5 amps. Speedometer, tachometer, odometer, oil pressure, hour meter, fuel level, voltmeter, coolant temperature and air pressure gauges required.
3. Engine - In line six (6) cylinder, minimum 8.0 liters, diesel, minimum 265 net HP rated at manufacturers recommended RPM, producing a minimum of 800 lb. ft. of gross torque, automatic viscous or on/off fan clutch. Cooling system to be the maximum capacity offered by the manufacturer to include water filter/conditioner with replaceable, spin-on filter. Configuration being offered must be certified by the engine and transmission manufacturers for this application. System to be protected to -20° F.
4. Engine Protection - Diesel engine will be protected by an OEM, or proven equal, installed engine protection system, as a minimum. The system will monitor engine oil pressure, as well as engine and transmission temperatures. Engine fuel solenoid must be de-energized and engine automatically stopped when any of the functions being monitored is unsafe per the manufacturer specifications. System must provide time limited automatic override and system must provide audio and visual alarms for 30 seconds prior to shutdown.

5. Transmission – Allison MD-3060, or proven equal, with spin-on, in-line filter. Must be equipped with a forced auto neutral system. System will shift the transmission to into neutral when the park brakes are applied. Operator will have to manually shift back to drive when the brakes are released. Equipped with a positive interlock, which cannot be overridden, preventing operation of hydraulic system unless transmission is in neutral, (NO EXCEPTIONS). Six-speed transmission with maximum road speed electronically controlled to 65 miles per hour +/- 2 MPH.
6. PTO/Pump – Engine to be provided with crankshaft driven PTO adapter (Spicer 1350 or proven equal) with access through grill. PTO/Pump to be front drive, dry valve type (Commercial Shearing 316-9414-001 or proven equal) with provisions for continuous flow for lubrication purposes and engage only with transmission in neutral. The pump must be controlled through a speed device that will automatically engage the pump at the proper engine RPM and will not allow engagement unless the engine is under 750 RPM and the truck transmission is in the neutral position. Unit to be equipped with over-speed protection that will disengage the PTO/pump in excess of 1500 RPM. Pump and hoses/plumbing to be protected with a metal guard that will be approved by the City at time of award.
7. Front Axle – Minimum 12,000 lbs. capacity with 12,000 lbs. spring capacity, equipped with hub piloted steel hubs, out-board mount type brake drums with Stemco or equal front wheel visible cap bearing oiler. Front shock absorbers to be heaviest duty available for specified axle. Integral power steering.
8. Rear Axle – Minimum 26,000 lbs. capacity with 26,000 lbs. spring capacity, minimum 3,000 lbs. auxiliary springs. Ratio geared to attain 65-mph +/-2 mph. at full engine governed RPM. Equipped with hub piloted steel hubs, out-board mount type brake drums. Stemco or equal oil seals.
9. Brakes – Full air, ABS, S-cam type, manufacturer's severe service brake shoes, spring set parking brakes. Front and rear Rockwell or equal, automatic slack adjusters. Minimum 13 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal and air tanks equipped with manual pull chains accessible from the side of the truck. Spring set parking brakes on rear axle. All brake drums to be cast iron. Quick connect coupling to be located in a protected area near the front bumper (Milton 747 or equal). Coupling will not be mounted to the bumper.
10. Wheels & Tires – Wheels to be 10-hole hub piloted steel disk wheel, minimum 12R-22.5, steel belted tubeless radials, minimum load range H tires. Front tires to be conventional tread. Rear dual wheel application to be on/off, self-cleaning, lug design (Goodyear G124 series or equal).
11. Frame – Minimum 110,000 PSI rail, 2,300,000 RBM. Huck bolt type fasteners must be used to attach all frame rails, supports and structural members.
12. Fuel System – To be equipped with dual steel, right hand and left hand tanks, with total minimum capacity of 80 gallons. Right hand tank to be step type, left tank may be step or frame type not to extend more than 4" behind cab. Fuel filtration system to include primary and secondary type fuel filter(s) with water separator. Full flow strainer must be installed in filler neck.
13. Exhaust System – Muffler, vertical exhaust tailpipe, heat cover, rain cap, to be mounted to allow full utilization of cab-to-axle length. Truck exhaust system to exhaust above top level of body.

14. Units to be equipped with the following additional equipment:

- A. Air horn(s) and electrical horn.
- B. Windshield washers and variable speed wipers.
- C. Adjustable steering column.
- D. 10-lb., ABC type fire extinguisher securely mounted in the cab.
- E. DOT triangle warning kit securely mounted in the cab.
- F. Back up alarm.
- G. Cigar lighter/power port.
- H. Two (2) front tow hooks, frame attached, tow hooks to be designed and installed to allow for lifting and towing of vehicle.
- I. Minimum of three keys with each truck.

15. Specific Minimum Warranty Requirements:

- A. Basic Warranty – Entire Vehicle – 12 months, unlimited mileage, 100% parts and labor.
- B. Cab – Structural and corrosion covering sheet metal, fiberglass, superstructure and aluminum panels – 60 months, 100,000 miles, 100% parts and labor.
- C. Frame, Cross-Members, Trunion Brackets and Cross Shaft, Suspension Trunion (Except Bushings) and Frame Side Rails – 72 months, 100,000 miles, 100% parts and labor.
- D. Axles – All components (excluding wheel bearings and seals) – 60 months, 100,000 miles, 100% parts and labor.
- E. Engine – Extended manufacturer's warranty – 60 months, 100,000 miles, 100% parts and labor.
- F. Transmission – Extended manufacturer's warranty – 60 months, unlimited miles, 100% parts and labor.
- G. Brake Components (less brake lining), Brackets, Camshafts, and Spiders – 60 months, 100,000 miles, 100% parts and labor (slack adjusters – 60 months, 100,000 miles, parts only).
- H. Drive-Line – 36 months, 100,000 miles, 100% parts and labor.
- I. Strobe Lights – 60 months, unlimited miles, parts only.
- J. Pump/PTO – 36 months, 100,000 miles, 100% parts and labor.
- K. Hydraulic Cylinders on Collection Body And Tippers – 3 years, parts and labor.

SPECIFICATIONS: Refuse Collection Body, Rear Loader, 18 Cubic Yard, High Compaction

- 1. Unit to be current, new, standard production model, closed body, rear loader type.
- 2. Body compaction controls to be installed as recommended by body manufacturer's standard procedures. Controls to include a buzzer signal system from control panel to cab. Two (2) buzzer locations on rear of body (left and right side). Front of body to be fully enclosed to match the sides of the body and will be

equipped with a lockable driver inspection opening behind truck cab approximately 20" x 34" covered with 9 gauge 3/4" expanded metal with 1/8" x 1" frame, or proven equal.

3. Adequate handholds and running boards to be installed for the safety and comfort of loading personnel. Location of handholds and running boards will be agreed upon with City operations and safety personnel prior to completion of first unit, (Call Kevin Fareri at 207-7336 to schedule meeting). Rear wheel fenders, or proven equal, with mud flaps to be installed adequately covering rear tires, and designed to prevent debris or spray from wheels on wet road surfaces being projected on the collector positions. This requirement must be approved prior to completion of first unit.
4. Body must be properly cleaned and prepared prior to painting. Primer coat to be thoroughly dry prior to final two coats of Du-Pont DeLux, or proven equal, painted safety yellow to be approved by the City of San Antonio.
5. Body must be constructed of new parts and materials, assembled completely and be adjusted properly.
6. Body or tailgate construction using steel with a yield strength of less than 50,000-PSI is unacceptable. Hopper floor must have a minimum of 100,000-PSI high tensile yield strength. The body weight to be a minimum of 14,000 lbs. and a maximum of 16,200 lbs. Modifications to bodies that are not offered by the manufacturer as standard equipment or options, for the sole purpose of meeting these specifications, are unacceptable.
7. Body to be positive ejector for unloading, single ejector cylinder must travel entire length of body. Dump type unloading will not be accepted.
8. Capacity of body to be minimum 18 cubic yards excluding loader hopper and hopper to be minimum 3 cubic yard capacity without extensions.
9. The complete refuse body assemblies, subassemblies, component parts, etc. must be designed with a factor of safety that is equal to or greater than that which is considered standard and acceptable for this class of equipment. Unit to be equipped with a 3-gallon water cooler rack installed by dealer.
10. Body to be equipped with side door opening on left front side, or other acceptable location as determined by the City, with locking device.
11. Body and all components provided are to be furnished with a 12 month warranty, parts and labor included, covering initial 12 months operation from date equipment is placed into service. In addition, refer to paragraph #12 on compaction requirements.
12. Compaction – Minimum of 1,000 lbs. per cubic yard as determined by the City of San Antonio. The packing capability of each body purchased will be re-evaluated at periodic intervals during the 12-month warranty period after the unit goes into service. Should the City determine that a body does not meet the minimum compaction requirements during any of these tests, the vendor will be advised and be required to take action to repair the body in question so that it will again meet the minimum compaction requirements. Once the repair is accomplished to the satisfaction of the City, the warranty on the body will then be extended for a 12-month period from the date of re-acceptance by the City. The contractor will have the right to inspect compaction units during normal City working hours to assure that proper factory recommended service and maintenance is being performed. Abuse and damage not attributable to faulty

design, materials or workmanship will exempt warranty expectations and must be documented by the vendor. A damage statement will be provided to the service center supervisor within 48 hours.

13. The unit's hydraulic metal reservoir to be truck frame mounted with spin-on hydraulic oil filter(s). Minimum, 100-mesh strainer to be installed in the suction outlet and a 10-micron filter to be used for the return line. A magnet to be installed in tank, accessible for cleaning. One-quarter (¼) turn ball valves must be installed on suction and outlet lines and to isolate the reservoir and filter assembly for service and maintenance.
14. All welds on body and tailgate are to be continuous (required flex seams on understructure).
15. Lighting: All lights required by D.O.T. and the Texas Department of Public Safety must be included. In addition, two (2), minimum 4" diameter, 10-diode, LED, combination tail, stop, and turn signals will be installed on the rear above the packer blade at a location to be designated. Each light will be protected by expanded metal shields that are easily removable to repair lights when necessary. Two (2), minimum 4" diameter, 10-diode, LED, combination tail, stop, and turn signals will be installed at the rear of the unit below the upper lip of the hopper (approximately centered from top to bottom of rear lower panel), one on the left side and one on the right side, protected by removable expanded steel guards. A lighted license plate bracket will be installed on the body above the packer blade centered on the body left to right. Two (2), minimum 4" diameter, 10-diode, LED, white backup lights to be installed. Two (2) adjustable work lights to illuminate hopper area and a minimum of one (1) adjustable light on each side of the body to illuminate the collector's positions. Four (4) each, flush mounted amber strobe lights, Led-X Model LXEX1F-A, or proven equal with user selectable flash patterns must be installed and wired to activate whenever engine is running. Two (2) amber strobe lights to be located at the front and two (2) amber strobe lights located at the rear of the body. All lighting must be wired to standard chassis controls. Premium, self-sealing connectors must be used for all electrical connections. Reflective conspicuity tape must be applied along both sides and across the back of each packer body.
16. A lockable, water tight toolbox, approximately 18 inches (18") high, 18 inches (18") deep and 20 inches (20") wide, to be securely mounted to right side of the refuse body. Placement to be approved prior to completion of first unit.
17. A square nose shovel for cleaning area behind packer blade must be provided, with a bracket to secure the shovel attached to the body. Shovel and placement to be approved prior to completion of first unit.
18. Trade Ins – City Units 4860, 4861, 4870 and 4871, 2000 International 18 cubic yard rear loaders. To view trade ins contact Donald Romans at (210) 207-6434.

ITEM	QUANTITY	DESCRIPTION
5	4 Each	Minimum 35,000 GVWR Lbs., 2,000 Gallon Water Distribution Trucks.

SPECIFICATIONS CAB AND CHASSIS:

1. Engine – Diesel, minimum 245 horsepower rated at manufacturer's recommended RPM, producing a minimum of 650 ft. lbs. of torque at a maximum of 1600 RPM, electronically governed to 68 MPH +/- 2 MPH. Engines to be equipped with OEM or equal shut down control on high coolant temperature and low

oil pressure. Dual element dry type air cleaner with restriction indicator dash mounted.

2. Transmission – Allison 3000, 6-speed, RDS or proven equal with PTO provision. Transmission will be furnished with synthetic transmission fluid. Electronic engine controls must have all necessary components and wiring to allow for complete operation of a power take off at a pre-determined RPM using an in-cab control, must be load sensitive, and the pump to be controlled through a speed device that will automatically engage the pump at the proper engine RPM and will not allow engagement unless the engine is under 750 RPM and the truck transmission is in the neutral position. Pump/PTO shall automatically disengage when transmission is shifted out of neutral, or when RPM exceeds manufacturer's recommended RPM. The PTO assembly is to be mounted directly to the chassis transmission.
3. GVWR – Minimum 35,000 lbs.
4. Front Axle – Minimum 12,000 lbs. capacity with minimum 12,000 lbs. parabolic, taper-leaf springs, hub piloted steel hubs, outboard mount type brake drums with Stemco or equal front wheel visible cap bearing oiler. Front shock absorbers to be heaviest duty available for specified axle.
5. Rear Axle – Minimum 23,000 lbs. capacity with minimum 23,000 lbs. spring capacity, minimum 4,000 lbs. multi leaf auxiliary springs. Equipped with hub piloted steel hubs, out-board mount type brake drums. Stemco or equal oil rear seals. Gear ratio to attain 70 MPH +/- 2 MPH. Axle will be driver controlled locking type.
6. Brakes – Four channel ABS, full air, S-cam service brakes, front minimum 16.5 x 5", rear minimum 16.5 x 7". Front and rear Rockwell or equal, automatic slack adjusters. Minimum 15 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, and pull chains accessible from the side of the truck. Spring set parking brakes. All brake drums to be cast iron, outboard type. Quick connect coupling (Milton 747 or equal), connected to the emergency side of air system, to be located in a protected area near the front bumper.
7. Color – OEM white.
8. Wheels & Tires – Wheels to be 10-hole hub-piloted steel disk wheel, 22.5 X 8.25, tires 12R 22.5 minimum load range H, tubeless steel belted radial tires. Front tires conventional tread (Goodyear G124 series or equal).
9. Mud flaps manufactured of a rubber base material, on both sides of vehicle, front and rear of rear tires. Mud flaps to have anti-sail device. Mud flaps to be minimum 2 lbs. per square foot and plain black without identifying markings.
10. Two (2) front tow hooks installed on frame and strengthened sufficiently to lift, pull and tow the truck.
11. Frame – Heaviest available. Minimum 'C' channel, 16.98 SM, 120,000 PSI. Completed unit will have any excess frame at rear neatly cut off and all lights required by DOT to be installed.
12. Cooling System – Largest capacity radiator with automatic viscous or on/off fan clutch. Coolant conditioner spin-on element, with wet sleeve engines only. Extended life antifreeze and silicone hoses will be furnished.
13. Electrical – Minimum 130 amp alternator, with dual batteries having a minimum total of 1800 CCA. All

wiring to be of high quality, abrasion resistant, and to be protected by looms or conduit and terminate in a watertight junction box (unprotected wiring is not acceptable). All wire terminals to be self-sealing and water proof. Circuit breakers required on all circuits above 5 amps.

14. Fuel System – To be equipped with minimum capacity of 70-gallons. Right and/or left hand tank mounted. Fuel filtration system to include primary and secondary type fuel filter(s). Fuel filtration to be combination filter/water separator, Davco Fuel Pro 382, or proven equal.
15. Cab – Standard cab with running boards, tilt hood, and fenders. Left and right hand cab grab handles. Doors to have armrests. Units to be factory equipped with OEM air conditioner, integral heater, defroster units, cab headliner, standard left and right side sun visor, standard left and right outside mirrors, West Coast type spring loaded retractable heavy duty 6" x 16" painted, split focus type (approximately 2/3 flat area, 1/3 adjustable convex) mirrors, and manufacturer's standard AM/FM radio. Driver seat to be high back, vinyl covered, full air suspension, with arm rests. Passenger seat to be 2 person vinyl covered bench.
16. Lighting – Stop, turn signal, tail, backup, and clearance lights will be LED type. Four LED strobe lights shall be installed. (WHELEN TIR-6, P/N 01-0663507A33B, SUPER-LED, 500 SERIES DIRECTIONAL WARNING LIGHT or proven equal). Two in the grill area of truck and two on the top portion of the rear of the tank

SPECIFICATIONS TRUCK MOUNTED WATER DISTRIBUTORS:

1. Pump Unit: Self priming centrifugal pump that is driven by the truck transmission PTO. Start, stop and speed controls to be installed in truck cab easily accessible from the driver's position. Pump must be capable of producing a minimum of 24,000 gph (400 gpm) at 40 feet of head at rated engine rpm. Pump to be piped to allow for suction loading and pressurized unloading at street side. Suction set up to have a minimum 2 1/2" quick coupler at the pump. A pressurized discharge will be provided at the pump with a 2 1/2" outlet using a quick coupler. A removable filter screen will be provided in the pump suction line. Suction on/off may be controlled thru a quick connecting sealing type cap or a manual on/off valve at the pump. Pressurized outlet to be controlled by an air operated on/off valve activated thru an air operated normally closed valve with control switch in the truck cab or once unit is pressurized control may be thru a ball valve at the outlet.
2. Tank: Minimum 1,900 to a maximum 2,100 gallon capacity of oval design and constructed of grade "A" steel, electrically welded throughout. Inside of tank to be treated with rust preventative material. Upper and lower half of shell to be constructed of minimum 10 gauge material. Heads to be dished and flanged. Surge plates to be manufactured of minimum 10 gauge steel and installed not more than 40" apart or more than 40" from heads. Installation must include a man way. Top mounted manhole to be minimum 20" diameter and include a hinged quick opening cover with sealing gasket. A walkway from the rear of the tank to the manhole is required. Tank to be mounted on cradle and attached to the frame with a bolster type design. A 3" over flow is required at top center of tank. A 1 1/2" diameter drain plug is to be located at bottom rear of tank. A ladder is required at the rear of the tank to provide access to the top of the tank. Cab and chassis frame (minimum 14", maximum 24") behind tank to be covered with minimum 3/8" safety plate firmly secured to frame. A float or tube type water level indicator is required at rear of tank. Hose tray to be installed on both sides of tank. Hose trays to be minimum 12" wide and tank length with minimum 6" high sides and made from aluminum and include front and rear headers. Trays must be firmly braced and bolted to tank and sub frame.

3. Fill Connection: To be manufactured of minimum 2 ½" pipe installed at rear of tank and must provide an air gap twice the distance of pipe inside diameter. Fill hole must have a screen to contain trash and a cover to prevent spillage during transport. Fill connector must include a 2 ½" female quick coupler to allow for fill hose connection. This connector to be located not more 54" from ground level.
4. Spray Bar: Minimum 2 ½" spray bar, single feed line minimum 6" or dual feedline minimum 2 ½", 8' long spray bar with 2 folding two foot long (12' total), two way break away extensions. The manually folding wings to shut off when end sections (extensions) are folded. Spray nozzles to be # 6 brass spaced on 4" centers. Spray to be actuated by an air operated remote control from driver's position in truck cab.
5. Hand Spray: Pipe unit to allow for pressurized hand spray operations. Provide 100' of heavy duty 1" rubber hose on a retractable hose reel with an adjustable stream to mist nozzle. Connect near the pump area and include an on/off ball valve for these operations.
6. Flusher Spray System: Install a minimum 2" adjustable brass shoe at the rear bottom of the tank. Spray pattern to be adjustable and pointed out the rear of the unit. Install a normally closed on/off air operated solenoid valve to control flow to the flusher shoe. Operation of the flusher spray system to be controlled from a dash mounted control easily accessible from the driver's position. Provide flexible joints to allow for movement between piping, pump, truck chassis and tank as necessary.
7. Mud Flaps: To have mud flaps mounted in front and rear of rear wheels with swing restrictors (anti-sail devices). Mud flaps to minimum 1.5 lbs. per square foot and painted black without identifying markings.
8. Accessories: One minimum 10' long fill hose with quick couplers and reducers necessary to attach hose to tank and hydrant for filling operations. Include one (1) rubber lined 2 ½" X 20' polyester or equal transfer hose for transferring water from unit to another piece of equipment. Include quick coupler for transfer hose. All exposed hose ends require dust caps.
9. Paint: Entire unit to be primed and painted with automotive black paint.
10. Frame: Completed unit will have any excess frame at rear neatly cut off and all lights required by DOT to be installed.
11. Acceptable Models: Etnyre Pressure Sprinklers or proven equal.
12. Trade Ins - City unit #'s 1232, 1234 and 1235, 2000 International 4700 with water distributor. To view trade ins contact Stacey Geiger at (210) 207-6597. City unit # 4524, 1997 International 4700 with water distributor. To view trade in contact Donald Romans at (210) 207-6434.

Note: If back pressure causes any strain on the pump system when the P.T.O. is engaged and all pressurized water systems are in the off position, a bypass system must be included as part of the bid.

ITEM	QUANTITY	DESCRIPTION
6	1 Each	Truck, Paint Striper.

GENERAL:

This specification describes and defines the minimum requirements of a truck mounted, self contained, self propelled thermoplastic pavement marking machine. The equipment shall be capable of applying up to 3 lines in two colors of hot thermoplastic road marking material and glass beads. The specified machine shall be complete with all equipment required to be capable of simultaneously applying three (3) paint lines in two colors at a 10 mph at 60 mils of thickness. The delivery of the truck mounted thermoplastic unit shall be made to the City of San Antonio no later than 180 days after receipt of award. The specified machine must not have any portion of the striper more than 13'6" above the ground except when the rear arrow board is in an upright or operational position. The specified machine must not have any portion of the striper more than 96" wide, except the chassis mirrors. The specified machine shall not be a prototype. The responsible supplier must have a minimum of six (6) units built to this specification utilizing the same pre-melters as specified, tube cart/ filter manifold system, thermoplastic material re-circulation system, solenoid weather resistant boxes, tilt down easy access rear control console, rear mounted hot oil system and be in service for at least two (2) years. Prototypes will be unacceptable. Bidders shall supply a list including the name of organization, contact person, phone number and date of delivery of users meeting this requirement. Photo documentation of specific items within the specification shall be included with bid documents. Bidders failing to submit photo documentation may be disqualified. Items requiring photo documentation are noted in the appropriate sections below.

SPECIFICATIONS CAB AND CHASSIS:

1. Engine – Diesel engine with a minimum 7.8 liter, 275 hp and 800 foot pounds of torque. The engine shall be equipped with an automatic engine shutdown with alarm.
2. Transmission – The chassis shall be equipped with Allison 3500 RDS 6 speed automatic with push button controls, or proven equal.
3. GVWR – Minimum GVW of 39,000 pounds.
4. Front Axle – Minimum of 16,000 lb. capacity front axle and 18,000 lbs. suspension.
5. Rear Axle – Minimum of 23,000 lb. capacity, axle with a 23,500 lbs. rear suspension. To be equipped with a 5.57 ratio rear axle suitable for striping operations.
6. Brakes - The chassis to be equipped air brakes with ABS and outboard drums. It shall be equipped with a 14.2 CFM air compressor. The brake system shall include dual air pressure gauge, low pressure warning light and alarm. The chassis shall include an exhaust breaking system.
7. Color – OEM white
8. Wheels & Tires - The chassis shall be equipped with 22.5" X 8.25" steel disc-Accuride 10-hole flange nut, hub piloted 20,000 lbs. capacity front wheels and 22.5" X 8.25" Accuride 10-hole flange nut, hub piloted 29,560 lbs. rear capacity wheels. It shall be equipped with front Michelin 315/80R22.5L-18000 lbs. rated premium highway tread tires or equal. The rear tires shall be Michelin 11R22.5G-23,000 lbs. capacity

premium highway traction tread or equal.

9. Frame – The chassis frame shall have a minimum RBM of 1,938,000.
10. Electrical – It shall be equipped with a minimum 160 amp alternator and a 1980 CCA battery.
11. Fuel - The chassis shall be equipped with two (2) fifty gallon fuel tanks.
12. Cab - The cab and chassis will be a cab over design with a GVW of 39,000 pounds. The driver's steering wheel to be a tilt and telescopic. Unit to be equipped with an electronic activation switch (electric hand throttle). To be equipped with cruise control, AM/FM stereo radio, air horn, 12 volt power outlet, warning lights as follows: high beams, check gauges, brake, low coolant, seat belt, battery, reduced engine power, air change oil, low oil level, service engine soon, engine shutdown, daytime running lights, left turn signal, and right turn signal. It to be equipped with 6" steel convex dual heated mirrors. The chassis shall be equipped with a driver's hi-backed air suspension type seat. The passenger seat shall be a high backed fixed height, manual back angle adjuster and lumbar. Both seats shall be medium dark gray vinyl. Unit to be equipped with padded ergonomic instrument panel with large easy to read gauges, electronic speedometer (MPH & KPH), re-settable trip odometer, tachometer, voltmeter, oil pressure gauge, and fuel gauge.
13. Fabricated Parts - A foldable and extendible steel guide wheel assembly with brackets for attaching a hydraulic lift will be supplied and mounted to the cab and chassis front bumper. A square tube within a square tube design will be provided. The guidance bar will ride on a pneumatic tire when in the "float" position. The assembly will easily move from mounting brackets on the left side for left side driving to mounting brackets on the right side. A 96" wide aluminum heavy duty platform (striper deck) with 1" diameter aluminum side railings, built in side and rear access steps, 72" wide X 24" deep rear aluminum platform shall be provided with anti-skid treatment on the walking surfaces. A 48" X 96" material storage area with two (2) removable 55" storage side railings shall be provided. All required clearance lights shall be mounted to platform. Access ladders shall be provided on each side of the material storage area. The platform will be of sufficient size and strength to accommodate the specified equipment. Undercoating will be applied to the underside of the platform. Heavy-duty in-line, hydraulically extendible, machined tube gun carriage assemblies will be provided and mounted under the striping platform above the chassis frame rails just behind the rear axles. Carriages shall extend 4' from the edge of the bed. Square tube carriages are not acceptable. Bidders to provide photo documentation showing carriage assemblies. Bidders failing to provide photo documentation may be disqualified. Two (2) heavy duty hydraulically raised and lowered scissors style gun carts will be provided and mounted to the outside ends of the machined gun carriage tubes. One will be mounted to the centerline side of the striper and one will be mounted to the edgeline side of the striper. The scissors style gun carts will ride on dual pneumatic tires. Fabricated steel hangers mounted to the gun cart and steel brackets mounted under the striper platform will be provided to hold the gun carts secure when in the travel position. Chain systems to secure carriages are not allowed. Two (2) 2000 lb capacity air jacketed thermoplastic pre-melting kettles with foldable steel steps and railings shall be provided. Kettles shall be equipped with safety doors. The three safety door system shall consist of a main door which resists rain from entering the melter. When loading the material, the first door is lifted, the second safety door is then pulled downward (the second door is also the shelf for the bag or block thermoplastic), the third door is hinged to minimize exposure of the material, fumes and heat contained in the kettle. A flash panel is located away from the material loader and to the rear of the lid. The two kettles shall be mounted in a common housing which will allow for more efficient heat retention. One (1) hinged, two piece steel construction control console will be mounted to the striper platform between the rear operator's stations. The hinged console design will enable easy access to console mounted controls for

maintenance. A protective console cover will also be provided. Bidders shall provide photo documentation showing hinged console system in both closed and tilted position. Bidders failing to provide photo documentation may be disqualified. Two (2) lockable tool-boxes mounted inside the rear cab with two high back air ride bucket seats with armrests and seat belts mounted to the top of the tool boxes will be provided. One (1) steel hydraulic reservoir with sight gauge, magnetic particle separator, interior baffle and removable lid. Two (2) glass bead manifolds will be mounted to the gun carriage assemblies. One (1) mounted on the centerline side and one (1) on the edgeline side. Aluminum tread plate panels will be provided to cover some surfaces. A steel pedestal mounted in the chassis cab to secure the switchbox while in the "one man" operation mode. A steel step assembly with hand rail mounted to the bed shall be provided to access re-circulation handles. Two (2) steel mounting pedestals shall be provided for the hydraulic steering orbital to control lateral movement of the gun carriages. Two (2) oil jacketed material / manifolds with full flow SST outlet valves shall be mounted on the each gun carriage. Manifolds shall be mounted on the carriages to allow for material lines to the thermoplastic application guns to be no longer than 42". Two (2) bead manifolds with exhaust mufflers shall be mounted on the gun carts. One manifold per cart. Two (2) steel pans for "popping" of the spray guns shall be provided. They shall be stored in an integral storage area built into the rear tailboard section. Two (2) steel pans for "popping" of the spray guns shall be provided. They shall be stored in an integral storage area built into the rear tailboard section. Steel heat transfer oil expansion tank with overflow hose and sight gauges. Two (2) rear operator's stations shall be enclosed with 1/4" high-strength plexiglass to provide protection from elements.

14. Diesel Air Compressor And Auxillary Hydraulic Power System - The air compressor shall be a hydraulically powered Vanair or approved equal, with 185 CFM. The air compressor shall be mounted on a steel frame connected to the chassis frame rails. The auxiliary engine shall have a remote "kill switch" located in the rear operator's position and from the truck cab. It shall be equipped with a full gauge package and engine hour meter. Power for the hydraulic systems shall be provided by a minimum 125 HP turbo charged, liquid cooled Cummins 4BTAA 125 HP diesel power plant or approved equal. It shall be equipped with (4) hydraulic pumps to power the various striper systems and a 120 amp alternator. Fuel for this engine shall be drawn from the chassis fuel tank. The hydraulic system shall be equipped with hydraulic reservoir equipped with a sight gauge, magnetic particle separator, interior baffles and "cleanout" fittings. The hydraulic system shall be equipped with a hydraulic cooler of sufficient size for the system. It shall be mounted on top of the air compressor housing to allow for maximum air flow. Two (2) finned tube type air cooler assemblies equipped with integral electric fans shall be installed in the compressed air system from the air compressor to cool the air and enhance moisture separation. Three (3) self-expelling automatic moisture separators will be installed. One separator shall be dedicated to the main airline. One for the bead tank air system and one for the Venturi supply. Two (2) adjustable air oilers shall be installed in the airlines to supply oil to the gun actuating solenoids. The oilers must be readily accessible for servicing. Air pressure regulators and gauges to control bead tank pressure and spray gun atomizing pressures shall be mounted in rear operator's control console. Unit will be equipped with a blow air system plumbed to the gun carts to clean the road surface directly in front of the spray guns. System is equipped with on, off, and auto functions. All air manifolds used to distribute compressed air will be made of aluminum. A quick coupler shall be located at the rear of the unit to facilitate the use of air tools. A "blow down" compressed air system to purge residual thermoplastic from the pumps, manifold, re-circulation, lines, material lines and guns shall be provided. The hydraulic system shall consist of four pumps mounted to the auxiliary engine. One pump shall power the steering orbital; one pump shall power the material pumps, one pump shall power the air compressor and one to power all other hydraulic systems. Two (2) hydraulic steering orbitals with steering wheels will be installed to enable the right and left side rear operators to control the hydraulic cylinders that provide lateral movement of the gun carriage assemblies. A hydraulic cylinder will be

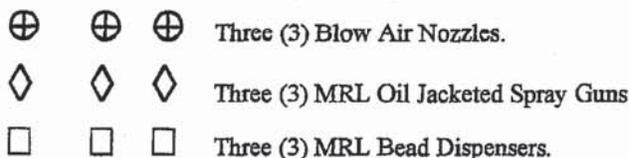
installed on the front bumper mounted guidance bar. The striper driver will be capable of electrically controlling this cylinder with raise, lower, and float functions. One (1) "in-tank" hydraulic filter mounted in the oil return plumbing to the hydraulic reservoir will be provided. All pre-melters shall be equipped with a "load sense" pressure compensating system that will sense load requirements. The hydraulic system includes RPM flow control valves, directional control valves which allow for forward, neutral and reverse positions for the agitators. Hydraulic lift cylinders shall be provided for the gun carriage system. Two (2) hydraulically driven heat transfer oil circulation pumps, one for the left side and one for the right side shall be provided. They shall be located within 30" of the oil heating system and be accessed through a lift up panel located at the rear of the truck. Bidders shall supply photo documentation of this system. Bidders failing to supply photo documentation may be disqualified. Hydraulic motors shall be provided to power the material pumps. The hydraulic motor drive system shall incorporate a dual speed control system on the centerline side of the pump to allow for the application of two lines simultaneously in spray or ribbon extrusion application methods. Two (2) diesel fired 2,000 pound capacity air-jacketed, vertical design thermoplastic pre-heating kettles (4,000 lb. total capacity) shall be provided. They shall be equipped with hydraulically driven agitators and thermostatically controlled electronic ignition systems with a safety shutdown system. Pre-heating kettles shall be equipped with digital material temperature displays installed near the kettle feed doors to allow the material loader to monitor the material. Each pre-melter kettle burner compartment shall be lined with stainless steel. A ¾" stainless steel "floating" burner deflector plate and primary deflector plate shall be provided for each pre-heating kettle. Each pre-melter shall be equipped with a 12 volt diesel fired burner. Each pre-melter shall be equipped with an inspection door that requires no tools to open. The two (2) pre-melters shall be interconnected and separated with a stainless steel flex coupler and insulated knife gate valves. The interconnected knife gate valve will be manually actuated from the melter feed step platform. Access for the knife gate valve shall be made through an access panel. Bidder to supply photo documentation showing the flexible joint and knife valve assembly. Bidders failing to supply photo documentation may be disqualified. Each pre-melter shall be equipped with a 3" diameter cleanout outlet with screw on cap. The melter's material outlets to the material pumps shall be mounted below the bottom level of the pre-melter "floor" to allow melters to be drained completely. Bidder to supply photo documentation to document compliance. Bidders failing to supply documentation may be disqualified. Each pre-melter shall be equipped with an auger enhanced multi-paddle agitator. It shall be designed to provide a full "sweep" horizontally as well as vertically. The auger shall be incorporated into the agitator shaft to provide additional agitation. The agitator shafts shall have replaceable end shafts. An inner auger shall, be incorporated into the agitator shaft to provide additional agitation. The melters shall be equipped with four (4) internal supports mounted to support the bottom of the kettle housing. These supports shall be made of schedule 8 pipe and run from the bottom of the melter bottom to the melter base plate. Two (2) model Moyno IL-8 hydraulically driven material pumps shall be provided to provide thermoplastic material to the application devices. The pumps shall be equipped with digital readout pump RPM indicators. The pumps shall be "fed" from the pre-melters from two (2) electrically actuated knife valves mounted on the rear most section of the pre-melters. The two (2) knife valves shall be controlled by electric actuators controlled from the rear control console. The thermoplastic system shall incorporate a recirculation system on both material pumps as well as a material recirculation system from the filter/manifolds to each of the melters. Bidder to supply photo documentation to the document compliance. Bidders failing to supply documentation may be disqualified. The system shall have an oil jacketed material crossover line installed between the left and right side material plumbing mounted under the deck. This feature will allow the white thermoplastic material application from the outside centerline gun. The system shall be equipped with 1 ½" ID oil jacketed lines from the material pump outlet to the filter / manifolds assembly. Two (2) oil jacketed material filter /manifolds shall be mounted on the gun carts. Each shall be equipped with a perforated filter to strain the thermoplastic. Material lines to the application

guns shall be by a 1 1/4" ID oil jacketed hose. All pre-melters shall be mounted in a common housing allowing efficient use of the BTU's from each melter to aid in heating of the entire melting system. The entire pre-melting area shall be insulated with a minimum 2" thick fiber board material. Bidder to supply photo documentation showing pre-melter housing and insulation material to insure specification compliance. Bidders failing to supply documentation may be disqualified.

15. Marking Material Heating System - The marking material marking heating system shall have a diesel fired heat transfer oil heating furnace with a thermostatically controlled ignition system. The heat transfer oil furnace will be equipped with an automatic high temperature safety shut down limit switch. The system shall include an oil expansion tank with heat shield and glasses and an overflow hose mounted on the deck. The overflow hose will be routed through the striper deck to the road surface. There shall be heat transfer oil temperature gauges installed at various points in the oil circulation system. The hot oil system shall be engineered to provide and maintain sufficient heat to apply spray or ribbon extrusion applications throughout the material delivery system during striping operations. Melter and furnace thermostat controls for the material marking heating system will be mounted in the rear operator's control console.
16. Reflective Media System - One (1) A.S.M.E. certified 36" diameter 1,000 LB. capacity reflective media tank with a 9" diameter lid will be mounted to striper deck. The suction inlet on the tank will be equipped with a male camlock coupling and cap. Tank will be equipped with a material level gauge to provide visual of reflective media in tank. The tank pressure will be controlled by an individual regulator and gauge mounted in the rear operator's control console. The unit will be equipped with a Venturi vacuum bead load system. The Venturi will exhaust below the striper deck through a muffler. One (1) detachable 15' long suction load hose will be provided. The hose will be equipped with a female camlock coupling to enable quick connection to the suction.
17. Gun Carriage Layout - The centerline gun carriage will include:
- Three (3) MRL oil jacketed spray guns (3 yellow with material plumbing to allow white to be sprayed out of the number 1 outside gun) NO SUBSTITUTES
 - One (1) bead manifold.
 - Three (3) MRL bead guns with MRL variable width fan attachments. Each bead gun shall include 4 inserts to adjust bead discharge rates. No substitutes allowed.
 - Three (3) Blow air nozzles mounted on an adjustable mounting bracket in front and in-line with the spray guns.

THE THERMOPLASTIC SPRAY GUNS SHALL BE CAPABLE OF BEING CONVERTED TO RIBBON APPLICATION AT A LATER DATE. THE MAIN BODY OF THE SPRAY GUN SHALL BE USED WITH THE RIBBON GUN ATTACHEMENT.

Centerline gun carriage layout diagram:



The edgeline gun carriage will include:

- One (1) MRL oil jacketed spray gun (white) NO SUBSTITUTES
- One (1) MRL bead gun with MRL variable width fan attachment. The bead gun shall be equipped with 4 inserts to adjust bead discharge rates. No substitutes allowed.
- One (1) bead manifold.
- One (1) blow air nozzle mounted on an adjustable mounting bracket in front and in-line with the spray gun.

THE THERMOPLASTIC SPRAY GUNS SHALL BE CAPABLE OF BEING CONVERTED TO RIBBON APPLICATION AT A LATER DATE. THE MAIN BODY OF THE SPRAY GUN SHALL BE USED WITH THE RIBBON GUN ATTACHEMENT.

Edgeline gun carriage layout diagram:

- ⊕ One (1) Blow Air Nozzle.
- ◇ One (1) MRL Oil Jacketed Spray Gun
- One (1) Bead Dispenser.

All spray gun and bead dispenser actuating solenoids will be mounted in weather resistant, steel boxes equipped with bulkhead fittings enabling the air hoses to exit to the spray guns and bead dispensers. These boxes will be mounted at the outermost edges of the gun carriage assemblies, just below and flush with the endplate for the gun carriage tube assemblies. Photo documentation showing all weather resistant boxes and bulkhead fittings shall be submitted with the bid. Bidders failing to submit photo documentation may be disqualified. Each spray thermoplastic gun, four (4) total, shall be equipped with a 12 volt linear electric actuators to raise and lower the gun from the rear operator's position.

18. Electronic Sipline Controller - The unit will be equipped with an adjustable electronic skip-line mechanism utilizing solid state components for all active internal functions. System will include a means of inductive arc suppression. Clutches, cams, gears, or devices that require adjustment will be unacceptable. The electronic skip-line mechanism will utilize a Hall Effect type sensor, sensing from a collar mounted on the chassis drive shaft. The Skip-line mechanism will consist of one (1) skip-line control box mounted in a weather resistant stainless steel enclosure located at the centerline (left) operator station, one (1) skip-line control box mounted in a weather resistant stainless steel enclosure located at the edgeline (right) operator station and one (1) slave box mounted in the main electrical junction box. Photo documentation of slave box and electrical junction box location shall be provided. Bidders failing to provide photo documentation may be disqualified. The Skip-line control system will be complete with footage counter, digital speedometer, and metric conversion capability. The skip-line control mechanism must generate the selected repetitive pattern with out utilizing any internal or external moving parts, except operator adjusted toggle switches for establishing pattern size, placement and calibration. The Skip-line control boxes will have an alphanumeric, liquid crystal display for displaying advisor and warning messages, as well as stripe and cycle settings. The Skip-line control system will have as an integral part of the system a footage counter. One for each spray gun position, capable of measuring actual number of feet of line applied. This unit will be capable of registering both footage and speedometer (MPH). In addition to storing and viewing the number of feet through different channels

registered by each individual gun, it displays the total used by all guns. This display will be integral to the gun switch boxes. The two (2) switch boxes installed at the left and right rear operator's stations will be completely interchangeable. A digital speedometer shall be installed in the truck cab. A totalizing printer interfaced with the timing system to print footage summaries shall be supplied and mounted in the rear operator's shelter.

19. Operator's Communication System - An intercom system will be furnished to provide a means of vocal communications between the driver of the vehicle and the operators of the striping equipment. This system shall be a David Clark three (3) headset system utilizing one (1) David Clark U-3800 master station mounted in the truck chassis cab, one (1) David Clark U-3801 remote station mounted at the left operator station and one (1) David Clark U-3802 remote station mounted at the right operator station and three (3) David Clark ultra-light headsets with single earphones. A noise filter will be installed in the system to prevent feedback from other electrical components.
20. Electronic Traffic Warning Lights - The unit will be equipped with one (1) four by eight (4' X 8') foot 25 light multi-function arrowboard mounted to the rear operator cab with a 12-volt linear actuator to raise and lower the arrowboard. The arrowboard control panel and actuator control switch will be mounted on the rear operator's canopy. The unit will be equipped with two (2) amber strobe lights mounted on the rear of the unit. The unit will be equipped with two (2) light bars with amber lenses mounted on the cab and chassis cab. The switches to actuate the strobes, and light bar will be located in the chassis cab. Two (2) "marker lights" one on the front and one on the rear of each gun cart shall be supplied. The markers shall have flashing and continuous modes of operation.
21. Electronics - The unit will be equipped with seven (7) 12-volt lights for night work. Two mounted to each gun cart, one mounted to illuminate the operator's control console and two mounted to the front, top corners of the operator's canopy to illuminate the material tanks. One mounted rear of chassis cab to illuminate the tank's loading area. The unit will be equipped with a digital LCD 3/8" minimum character display speedometer with red backlighting mounted in the truck chassis cab. There will be one (1) main weather resistant electrical junction box for the material marking system. Systems offering multiple junction boxes located at numerous locations on the striping platform will not be accepted. The electrical junction box shall be mounted on the truck deck for easy access. It shall be equipped with LED indicator lights for to indicate if a fuse is non-operational. It shall be equipped with a laminated wiring diagram mounted on the junction box cover door. The marking material guns and reflective media dispenser electrical solenoids will be enclosed in NEMA boxes located on the gun carriage assemblies. Bidder to provide photo documentation showing the solenoid mounting, and related air hoses mounted in weather protected box. Bidders failing to provide photo documentation may be disqualified. All pertinent material marking system electrical components will be wired with expandable fusible switches with LED indicator lights. One (1) 12-volt power receptacle will be furnished in the rear operator's control console. The temperature controls for the marking material heat system will be digitally controlled temperature push button control indicators. All electrical switches in the rear operator's control console will be push/pull Allen Bradley brand. No exceptions allowed. The electrical circuit for the video guidance system electrical camera actuators will be protected with a 15 amp reset able breaker. A back-up alarm will be installed at the rear of the unit.

22. Additional Equipment and Spare Parts - Four (4) 10# capacity fire extinguishers will be mounted to the striper. Four (4) mounted "CAUTION HOT" placards shall be installed on the thermoplastic unit. Four (4) insulated covers for the material / manifold assemblies and exhaust vent stacks shall be provided. A vinyl cover for the rear console shall be provided. Aluminum fenders with mud flaps installed over the rear tires and wheels shall be provided. Conspicuous tape shall be installed along the striping platform.
23. Video Guidance System - A video guidance system shall be provided. System shall include an 8.3" color LCD "flat screen" monitor with suction mount. A padded storage case shall be provided and mounted in the chassis cab for storage of the monitor when not in use. Two (2) color cameras with 18mm auto iris lens shall be mounted inside an MRL (no exceptions) self-leveling weather resistant housings shall be supplied. The cameras shall be mounted on electrically actuated (extended) camera brackets with a left and right side controller switch installed in the chassis cab. The mounting bracket shall be mounted behind the chassis cab under the striping platform. The video guidance system shall incorporate a crosshair generator. The crosshair generator shall produce vertical and horizontal lines across the video monitor. Two (2) lockable tool boxes shall be provided at the rear of the platform. Two (2) air ride type operators' seats with arm rests shall be installed in the rear on the tool boxes and each equipped with seat belts.
24. Delivery - Delivery of the striping unit by the manufacturer to the purchaser's designated location shall be made within one (1) week after successful completion of the testing prior to shipment.
25. Shipping - The striper will be either shipped on an appropriate lowboy tractor trailer or driven by a qualified driver from the manufacturer's facility to the purchaser's designated destination at the manufacturer's expense.
26. Technical Training - After delivery of the pavement marking machine to the purchaser, a factory technician with a minimum of 48 months of traffic paint marking material application experience will provide two (4) consecutive days of training at the purchaser's specified location.
27. Technical Support - The manufacturer shall have a technical service and parts support group available through a toll free 800 number between the hours of 8:00 AM to 5:00 PM Central Standard Time. The manufacturer will maintain an inventory of common marking machine parts used on the specified unit.
28. Quality - All hoses, fittings, fasteners, bolts, and miscellaneous hardware used shall be properly designed and engineered for the purpose in which it is being used. The vehicle shall conform to all the latest Federal and State Safety standards. Prior to acceptance and final payment, it shall be demonstrated that the vehicle being furnished meets the requirements of the specifications and will undergo an on-site technical review to insure that all specifications have been fully and precisely met without deviation. All fabrication, assembly and paint techniques will provide a finished unit consistent or exceeding common industry standards.
29. Warranty - The striping equipment shall be warranted against defective materials and workmanship for a period of twenty-four (24) months after the machine is accepted and approved: Provided the machine is properly serviced, maintained, and operated under normal conditions and according to the manufacturer's instructions. All parts, pieces, and equipment not manufactured by the supplier shall be warranted according to their manufacturer's policies. No other warranty, express or implied is included. Manufacturer will not be liable for consequential damages of any kind.

30. References - A list of at least six (6) users of the specified machine with contact names and telephone numbers will be supplied.
31. Drawings - Professional quality drawings that will depict the equipment layout will be provided with the bid.
32. Manuals - Two (2) service, parts and troubleshooting manuals will be provided with the machine. The manuals will include all systems schematics and specific component literature.
33. Trade In - # 1460, 1997 GMC T-7500 paint striper. To view trade ins contact Richard Gatlin at (210) 207-7802.

ITEM	QUANTITY	DESCRIPTION
7	1 Each	Cab and Chassis (GVWR 35,000 lbs.), Digger Derrick, 120" cab to axle.

SPECIFICATIONS:

- Truck - Cab and chassis only with cab grab handles, tilt hood, and fenders.
- Engine - Diesel engine with a minimum 7.8 liter, 275 hp and 800 foot pounds of torque. The engine shall be equipped with an automatic engine shutdown with alarm.
- GVWR - Minimum 35,000 lbs.
- Transmission - The chassis shall be equipped with Allison 3500 RDS six (6) speed automatic, or proven equal with push button controls.
- Front Axle - Minimum 12,000 lbs.
- Rear Axle - Minimum 23,000 lbs., ratio geared to attain 61 mph +/-2 mph.
- Suspension - Front springs 6,000 lbs. each at ground. Rear springs minimum 11,500 lbs. each at ground plus auxiliary springs.
- Brakes - Four channel ABS, full air, S-cam service brakes, front minimum 16.5 x 5", rear minimum 16.5 x 7". Front and rear Rockwell or equal, automatic slack adjusters. Minimum 15 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, and pull chains accessible from the side of the truck. Spring set parking brakes. All brake drums to be cast iron, outboard type. Quick connect coupling (Milton 747 or equal), connected to the emergency side of air system, to be located in a protected area near the front bumper.
- Mirrors - Outside rear view mirrors, left and right sides, West Coast type, OEM.
- Color - OEM white.

11. Wheels & Tires - Front and rear wheel seals to be Stemco Wet, cast spoke wheels, minimum 8.25" rims with minimum 12R-22.5 (NO EXCEPTIONS), minimum load range H, tubeless steel belted radial tires. Front tires conventional tread. Rear dual application to be self-cleaning lug design. (Goodyear G124 series or equal).
12. Two (2) front tow hooks installed on frame and strengthened sufficiently to pull truck.
13. Steering - Integral power steering.
14. Frame - Minimum 850,000 RBM.
15. Tachometer equipped.
16. Fuel System - To be equipped with dual steel, right hand and left hand tanks, with total minimum capacity of 80 gallons. Right hand tank to be step type, left tank may be step or frame type not to extend more than 4" behind cab. Fuel filtration system to include primary and secondary type fuel filter(s).
17. Exhaust System - Muffler, vertical exhaust tailpipe, heat cover, rain cap, to be mounted to allow full utilization of specified cab-to-axle length.

BODY SPECIFICATIONS:

1. Successful bidder shall provide and install a center mount derrick with a minimum 15,000 lb. boom tip winch.

A. Lift Capacity Minimums:

Lift Capacity Minimums:

Boom Angle	Boom Retracted	2 nd Extended	2 nd in 3 rd Extended	2 nd and 3 rd Extended
80 degrees	24450	17550	20250	15200
10' radius	11500	9750	10250	9300
45 degrees	11000	6650	7100	5000
0 degrees	7150	4200	4500	2950

- B. Sheave Height: Minimum 40.9 feet.
- C. Load Radius: Minimum 30.8 feet.
- D. Fiberglass hydraulic third stage boom certified for rated line voltage up to and including 46 KVAC.
- E. Dual lift cylinders, continuous rotation, self aligning swivel ball bushings, box fabricated booms.

2. Command post with single stick control:
 - A. Must be capable of allowing operator to use one hand to operate three functions - rotation, boom elevation and boom extension. Other functions will have individual controls.
 - B. Controls to be full pressure, full flow hydraulic.
 - C. Mounted to the curb side of the turret.
 - D. Hydraulic foot throttle.
 - E. Glycerin-filled pressure gauge.
3. Minimum 12,000 ft. - lb. two speed digger:
 - A. Planetary gear drive.
 - B. Hydraulic digger shift.
 - C. Hydraulic auger release.
 - D. Minimum 60 inch long x 2 5/8 inch hex auger shaft.
 - E. Digger hanger with transfer protection system.
 - F. Auger storage bracket, left side mounted.
 - G. Self-latching auger catch with safety pin and auger rollup cable.
 - H. Stores up to 24 inch auger in the standard position.
4. Digger storage protection to protect auger storage cable from damage caused by over-winding.
5. Tilt pole plummer for transferable pole buddy:
 - A. Must transfer from end of second section to end of third section.
 - B. To be installed on transferable pole buddy flange assembly.
 - C. Hydraulic cylinders to operate the tilt and open/close.
 - D. Hydraulic valve for tilt pole plummer tilt cylinder.
6. Shut-off valve in suction line.
7. Hydraulic overload protection for rotation, 2nd section, 3rd section, winch, and digger.
8. Auxiliary hydraulic tool power below rotation with control in outrigger valve bank.
9. Flow divider for hydraulic tool outlets below rotation.
10. Extra heavy duty A-frame main outriggers:
 - A. Minimum 149" spread pin to pin and 161" to outside of pads.

- B. Minimum 11" penetration based on 40" frame height.
 - C. Minimum 12" x 12" swivel pads.
 - D. Main outrigger controls at rear, one each side.
11. Heavy duty A-frame auxiliary outriggers:
- A. Minimum 151" spread pin to pin and 162" to outside of pads.
 - B. Minimum 13" penetration based on 40" frame height.
 - C. Minimum 12" x 12" swivel pads.
 - D. Auxiliary outrigger controls at rear, one each side.
12. Sub-frame and tie-down for 120" cab to axle.
13. Minimum 4 channel electric collector ring.
14. Start/stop at command post.
15. Electrical control switch panel to be used in conjunction with start/ stop system.
16. Command post access step.
17. Hose kit for derrick mounted over rear axle.
18. Muffler shield.
19. Pengo 18" auger with 2 5/8" minimum hex shaft and carbide teeth.
20. Spring loaded hose reel with minimum 25 feet of hydraulic hose, FSC stop collars and quick couplers. Hose reel mounted on top of platform at rear.
21. Auxiliary outrigger boom rest.
22. T-40-01 heavy duty transverse through compartment body installed behind the cab, minimum 40" L x 48" H x 92" W:
- A. Constructed of A-60 (iron zinc) alloy metal.
 - B. Double panel doors with paddle handle locks.
 - C. Stainless steel pin piano hinges.
 - D. Compartmentation:
 - 1. Curbside Minimums - Two 6" drawers with adjustable dividers. One 4" drawer with adjustable dividers. Friction slides and rear portion of compartment will contain a 36" tool board with tool bit holder, tool storage, "J" hooks (5) and straight hooks (2).
 - 2. Street-side Minimums - 40" vertical compartment with four (4) "J" hooks.

ITEM	QUANTITY	DESCRIPTION
8	3 Each	Cab and Chassis (GVWR 24,000 lbs.) with flare bodies.

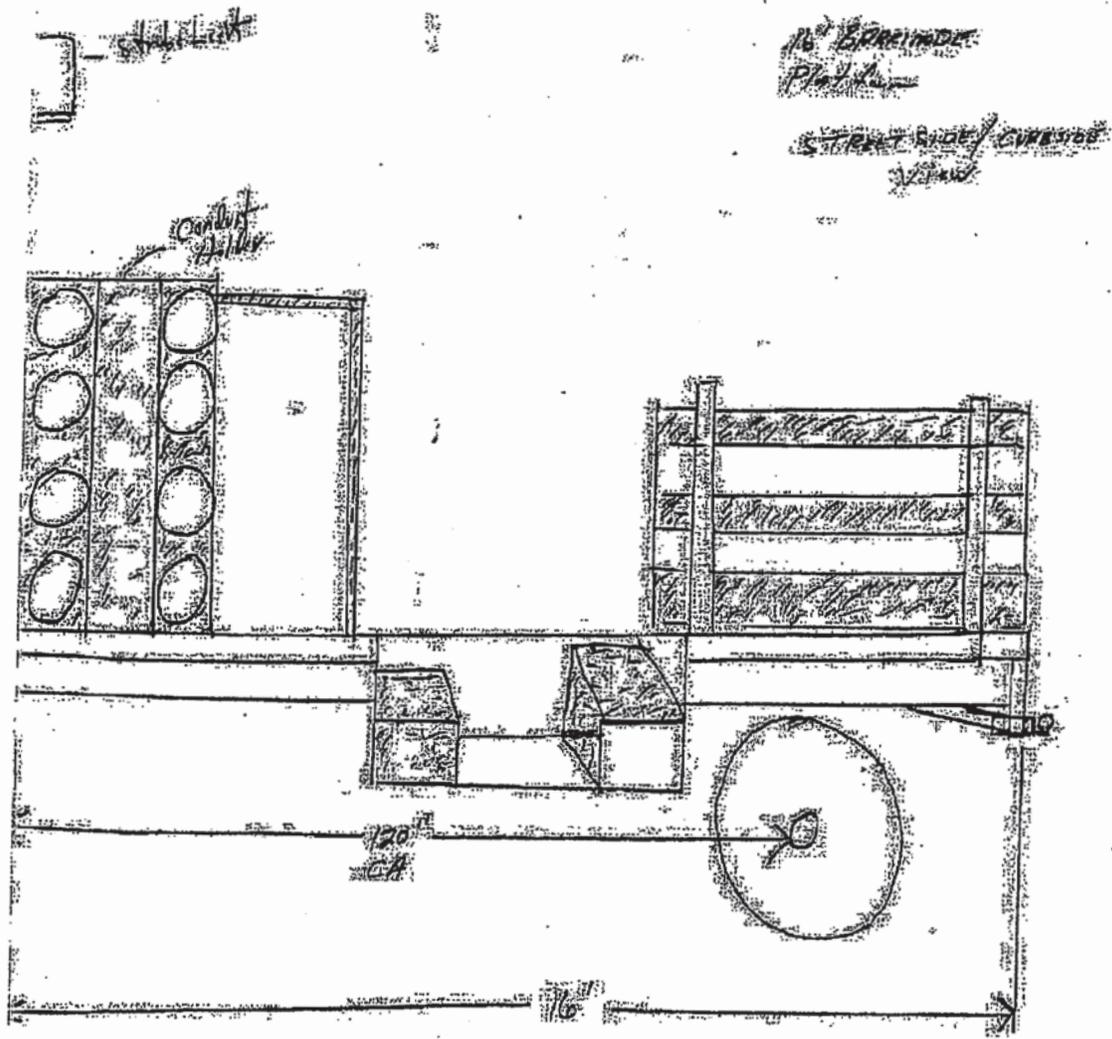
SPECIFICATIONS:

1. Truck - Cab and chassis only with cab grab handles, tilt hood and fenders.
2. Engine - Diesel engine with a minimum 7.8 liter, 275 hp and 800 foot pounds of torque. The engine shall be equipped with an automatic engine shutdown with alarm.
3. Transmission - Allison MT643, or proven equal with external oil cooler (Hayden Model 1062F-1 or equal) in addition to radiator cooler, mounted in front of engine radiator and spin-on in-line filter.
4. GVWR - Minimum 24,000 lbs.
5. Rear Axle - Minimum 19,000 lbs., single speed, ratio geared to attain 60 mph +/- 2 mph.
6. Front Axle - Minimum 7000 lbs.
7. Suspension - Rear axle equipped with heavy duty springs (minimum 17,000 lbs.) plus auxiliary springs.
8. Wheels & Tires - Front and rear wheel seals to be Stemco Wet, cast spoke wheels, minimum 8.25" rims with minimum 12R-22.5 (NO EXCEPTIONS), minimum load range H, tubeless steel belted radial tires. Front tires conventional tread. Rear dual application to be self-cleaning lug design. (Goodyear G124 series or equal).
9. Color - OEM white.
10. Brakes - Four channel ABS, full air, S-cam service brakes, front minimum 16.5 x 5", rear minimum 16.5 x 7". Front and rear Rockwell or equal, automatic slack adjusters. Minimum 15 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, and pull chains accessible from the side of the truck. Spring set parking brakes. All brake drums to be cast iron, outboard type. Quick connect coupling (Milton 747 or equal), connected to the emergency side of air system, to be located in a protected area near the front bumper.
11. Mirrors - OEM inside standard type, outside, left and right, West Coast type.
12. Steering - Integral power steering.
13. Fuel System - To be equipped with under cab minimum 35 gallon steel, left and right hand tanks. Right hand tank to be step type, left hand tank may be step or frame type not to extend more than 4" behind cab. Fuel filtration system to include primary and secondary type fuel filters.
14. Cooling System - Largest capacity radiator with automatic viscous fan clutch or on/off fan clutch.
15. Frame - Minimum 850,000 RBM.

16. Exhaust System - Muffler, vertical exhaust pipe, heat cover, rain cap, to be mounted to allow full utilization of specified cab-to-axle length.
17. Bypass Oil Filter - To be Luberfiner Model 750C.
18. Two (2) front tow hooks installed on frame and strengthened sufficiently to pull truck.

SPECIFICATIONS: Barricade Platform.

1. Nominal length - To be sixteen feet (16').
2. Width - To be minimum eight feet (8').
3. Header -- To be rectangular and constructed of minimum 3" channel frame 1/8" smooth steel backing. Header must be 4" taller than chassis cab for mounting of strobe lights, lights to be mounted on top of the header in both corners.
4. Platform -- To be constructed of minimum 6" structural long sills with minimum 4" structural channel crossmembers placed on 12" centers. Each crossmember to be gusseted to longsills except in recessed seating area for crewman placing cones. Platform deck to be constructed of minimum 1/8" treadplate. Side rails to have stake pockets to accommodate wooden stake side at rear portion of platform and across rear of platform. Conduit holder to be installed immediately behind header and be configured to hold eight (8) pipes that will store two (2) rows of four (4) and extend width of bed. Railings to be installed behind conduit holder to serve as extra storage area. Railings to be made of 10 gauge 2" X 2" square tubing. All surfaces that crewman walk on will be painted with non-skid material. Receiver tube at rear in HD ICC bumper that is reinforced and tied to chassis frame. All lights are to be of LED (Light Emitting Diode) type. Red and white reflective tape to be installed on sides and rear of platform.
5. See diagram below.
6. Trade Ins -- City unit #'s 1180 and 1181, 2000 International stake beds. City unit # 1272, 1999 International 4700 stake bed. To view trade ins contact Roland Mata at (210) 359-3100.



ITEM	QUANTITY	DESCRIPTION
9	2 Each	Cab and Chassis (GVWR 35,000 lbs.) with Fuel and Lube Bodies.

SPECIFICATIONS:

1. Truck - Cab and chassis only with cab grab handles, tilt hood and fenders.
2. Engine - Diesel engine with a minimum 7.8 liter, 275 hp and 800 foot pounds of torque. The engine shall be equipped with an automatic engine shutdown with alarm.
3. Transmission - Allison MT643, or proven equal with external oil cooler (Hayden Model 1062F-1 or equal) in addition to radiator cooler, mounted in front of engine radiator and spin-on in-line filter.
4. GVWR - Minimum 35,000 lbs.
5. Rear Axle - Minimum 23,000 lbs., single speed, ratio geared to attain 70 mph +/- 2 mph.
6. Front Axle - Minimum 12,000 lbs.
7. Suspension - Rear axle equipped with heavy duty springs (minimum 23,000 lbs.) plus auxiliary springs.
8. Wheels & Tires - Front and rear wheel seals to be Stemco Wet, cast spoke wheels, minimum 8.25" rims with minimum 12R-22.5 (NO EXCEPTIONS), minimum load range H, tubeless steel belted radial tires. Front tires conventional tread. Rear dual application to be self-cleaning lug design. (Goodyear G124 series or equal).
9. Color - OEM white.
10. Brakes - Four channel ABS, full air, S-cam service brakes, front minimum 16.5 x 5", rear minimum 16.5 x 7". Front and rear Rockwell or equal, automatic slack adjusters. Minimum 15 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, and pull chains accessible from the side of the truck. Spring set parking brakes. All brake drums to be cast iron, outboard type. Quick connect coupling (Milton 747 or equal), connected to the emergency side of air system, to be located in a protected area near the front bumper.
11. Mirrors - OEM inside standard type, outside, left and right, West Coast type.
12. Steering - Integral power steering.
13. Fuel System - To be equipped with under cab minimum 35 gallon steel, left and right hand tanks. Right hand tank to be step type, left hand tank may be step or frame type not to extend more than 4" behind cab. Fuel filtration system to include primary and secondary type fuel filters.
14. Cooling System - Largest capacity radiator with automatic viscous fan clutch or on/off fan clutch.
15. Frame - Minimum 850,000 RBM.

16. Exhaust System - Muffler, vertical exhaust pipe, heat cover, rain cap, to be mounted to allow full utilization of specified cab-to-axle length.
17. Bypass Oil Filter - To be Luberfiner Model 750C.
18. Two (2) front tow hooks installed on frame and strengthened sufficiently to pull truck.

SPECIFICATIONS: Fuel and Lube Bodies.

1. 1,000 gallon dual compartment diesel tank: 700 gallon red diesel, 300 gallon auxiliary fuel.
2. CTE, or proven equal gear type hydraulic driven diesel pump on main Reelcraft, or proven equal fuel reel with 50' of 1" hose and 1" fuel nozzle with Fillrite, or proven equal meter. Fillrite, or proven equal 12 GPM 12 volt electric pump on auxiliary tank with Fillrite, or proven equal meter. Three (3) 120 gallon oil product tanks with CTE, or proven equal product pumps. One 60 gallon oil product tank with CTE, or proven equal product pumps. Reelcraft reel with 50' of 1/2" hose and nozzle.
3. Graco Badger, or proven equal meters on each product. This is a different system.
4. 120 gallon waste oil recovery system with 1:1 diaphragm pump and Reelcraft, or proven equal reel with 50' of 1" hose.
5. One 60 gallon water/antifreeze tank with 1:1 diaphragm pump and Reelcraft, or proven equal reel with 50' of 3/8" hose.
6. 120 lb. grease station with Graco, or proven equal 50:1 Fireball, or proven equal pump and Reelcraft, or proven equal reel with 50' of 3/8" of hose.
7. 24 CFM direct drive hydraulically driven Ingersoll Rand, or proven equal, air compressor with 30 gallon reservoir.
8. Rear reel cabinets with roll up doors and center walkway.
9. Spill containment sump and drivers side filter drawer.
10. Lockable under tank storage compartments.
11. Trade Ins - City unit#'s 1091, 1998 International fuel and lube truck and unit # 1092, 1997 International fuel and lube truck. To view trade ins contact Roland Mata at (210) 359-3100.

PRICE SCHEDULE

ITEM	QUANTITY	DESCRIPTION
1	3 EACH	Minimum 35,000 lbs GVWR Lbs., 7 CY Dump Trucks.

\$ 68,871.00 Price Each \$ 206,613.00 TOTAL

LESS TRADE-IN UNITS:

UNIT # 2417	2000 INTERNATIONAL 4700	\$ <u>13,750.00</u>
UNIT # 1371	1996 INTERNATIONAL 4700	\$ <u>5,000.00</u>
UNIT # 2420	2000 INTERNATIONAL 4700	\$ <u>13,750.00</u>
TOTAL LESS TRADE INS		\$ <u>174,113.00</u>

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

INTERNATIONAL 4400

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

ALLISON 3500 RDS

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

INTERNATIONAL MAXFORCE DT 257 NET HP

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

DAVIS TATIO 7-10 YD. Dump BodyDELIVERY: Delivery will be made within 180 calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
2 A	6 EACH	Cab and Chassis, Minimum 52,000 GVWR, 102" usable cab to axle.

\$ 89,493.00 Price Each \$ 536,958.00 TOTAL

LESS TRADE-IN UNITS:

UNIT # 1196	1998 INTERNATIONAL 4700	\$ <u>14,000.00</u>
UNIT # 1200	1999 INTERNATIONAL 2574	\$ <u>16,500.00</u>
UNIT # 1222	1999 INTERNATIONAL 2574	\$ <u>16,500.00</u>
UNIT # 1226	1999 INTERNATIONAL 2574	\$ <u>16,500.00</u>
UNIT # 1231	1999 INTERNATIONAL 2574	\$ <u>16,500.00</u>
UNIT # 1198	1998 INTERNATIONAL 4700	\$ <u>14,000.00</u>
TOTAL LESS TRADE INS		\$ <u>442,958.00</u>

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

INTERNATIONAL 5900I

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

FULLER FRO-16210C

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

CUMMINS ISX 420 NET HP

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

WET KIT

DELIVERY: Delivery will be made within 180 calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
2 B	3 EACH	Cab and Chassis, Minimum 52,000 GVWR, 102" usable cab to axle. Same as Item 2 A with winch.

\$ 110,019.00 Price Each \$ 330,057.00 TOTAL

LESS TRADE-IN UNITS:

UNIT # 1257	1998 INTERNATIONAL 2574	\$ <u>25,000.00</u>
UNIT # 1335	2000 INTERNATIONAL 2574	\$ <u>27,000.00</u>
UNIT # 1391	2000 INTERNATIONAL 2574	\$ <u>27,000.00</u>
TOTAL LESS TRADE INS		\$ <u>251,057.00</u>

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

INTERNATIONAL 5900T

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

Fuller FRD-16210C

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

Cummins ISX 420 NET HP

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

WET KIT & 80,000LB TULSA WINCH

DELIVERY: Delivery will be made within 180 calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
3	14 EACH	Cab and Chassis, Minimum 50,000 lbs. GVWR, 12 CY Dump Trucks

\$ 90,195.00 Price Each \$ 1,262,730.00 TOTAL

LESS TRADE-IN UNITS:

UNIT # 1271	2002 STERLING	\$ <u>24,000.00</u>
UNIT # 1336	2000 INTERNATIONAL 4700	\$ <u>23,000.00</u>
UNIT # 1337	2000 INTERNATIONAL 4700	\$ <u>23,000.00</u>
UNIT # 1338	2000 INTERNATIONAL 4700	\$ <u>23,000.00</u>
UNIT # 1344	1999 INTERNATIONAL 2574	\$ <u>21,000.00</u>
UNIT # 1345	1999 INTERNATIONAL 2574	\$ <u>21,000.00</u>
UNIT # 1346	1999 INTERNATIONAL 2574	\$ <u>21,000.00</u>
UNIT # 1347	1999 INTERNATIONAL 2574	\$ <u>21,000.00</u>
UNIT # 1348	1999 INTERNATIONAL 2574	\$ <u>21,000.00</u>
UNIT # 1349	1999 INTERNATIONAL 2574	\$ <u>21,000.00</u>
UNIT # 1358	2000 INTERNATIONAL 4700	\$ <u>23,000.00</u>
UNIT # 1362	2000 INTERNATIONAL 4700	\$ <u>23,000.00</u>
UNIT # 1378	2000 INTERNATIONAL 4700	\$ <u>23,000.00</u>
UNIT # 1377	2000 INTERNATIONAL 4700	\$ <u>23,000.00</u>
TOTAL LESS TRADE INS		\$ <u>951,730.00</u>

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

INTERNATIONAL 7600

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

FULLER FRO-15210C

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

INTERNATIONAL MAJORCE 13 410 NET HP

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

DAVIS FMT1014 10-14yd Dump Body

DELIVERY: Delivery will be made within 95 calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
4	4 EACH	18+ Cubic Yard, High Compaction, Rear Load, Refuse Collection Truck
\$ <u>DELETED</u> Price Each \$ <u>ADDITIONUM V</u> TOTAL		

LESS TRADE-IN UNITS:

UNIT # 4860	2000 INTERNATIONAL 4900	\$ _____
UNIT # 4861	2000 INTERNATIONAL 4900	\$ _____
UNIT # 4870	2000 INTERNATIONAL 4700	\$ _____
UNIT # 4871	2000 INTERNATIONAL 4700	\$ _____
TOTAL LESS TRADE INS		\$ _____

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

DELIVERY: Delivery will be made within _____ calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
5	4 EACH	Minimum 35,000 GVWR Lbs., 2,000 Gallon Water Distribution Trucks.

\$ 79,540.00 Price Each 318,160.00 TOTAL

LESS TRADE-IN UNITS:

UNIT # 1232	2000 INTERNATIONAL 4700	\$ <u>13500.00</u>
UNIT # 1234	2000 INTERNATIONAL 4700	\$ <u>13500.00</u>
UNIT # 4524	1997 INTERNATIONAL 4700	\$ <u>DELETED PER ADD V</u>
UNIT # 1235	2000 INTERNATIONAL 4700	\$ <u>13500.00</u>
TOTAL LESS TRADE INS		<u>\$277,660.00</u>

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

INTERNATIONAL 4400

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

ALLISON 3000 RDS

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

INTERNATIONAL MAXFORC DT 257 NET HP

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

CONSTRUCTION TRUCKS & EQUIPT 2200 GAL WATER SYSTEMDELIVERY: Delivery will be made within 195 calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
6	1 EACH	Truck, Paint Striper.

\$ N/B Price Each \$ _____ TOTAL

LESS TRADE-IN UNITS:

UNIT # 1460 1997 GMC T 7500 \$ _____

TOTAL LESS TRADE INS \$ _____

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

DELIVERY: Delivery will be made within _____ calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
7	1 EACH	Cab and Chassis (GVWR 35,000 lbs.), Digger Derrick, 120" cab to axle.

\$ N/B Price Each \$ _____ TOTAL

12

LESS TRADE-IN UNITS:

UNIT # 1449 2000 INTERNATIONAL 4700 \$ _____

TOTAL LESS TRADE INS \$ _____

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

DELIVERY: Delivery will be made within _____ calendar days after issuance of purchase order.

ITEM	QUANTITY	DESCRIPTION
8	3 EACH	Cab and Chassis (GVWR 24,000 lbs.) with flare bodies.

\$ N/B Price Each \$ _____ TOTAL

LESS TRADE-IN UNITS:

UNIT # 1180 2000 INTERNATIONAL 4700 \$ _____

UNIT # 1181 2000 INTERNATIONAL 4700 \$ _____

UNIT # 1272 1999 INTERNATIONAL 4700 \$ _____

TOTAL LESS TRADE INS \$ _____

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

DELIVERY: Delivery will be made within _____ calendar days after issuance of purchase order.

TEM	QUANTITY	DESCRIPTION
9	2 EACH	Cab and Chassis (GVWR 35,000 lbs.) with Fuel and Lube Bodies.

\$ 130,098.00 Price Each \$ 260,196.00 TOTAL

LESS TRADE-IN UNITS:

UNIT # 1091	1998 INTERNATIONAL 4700	\$ <u>14,500.00</u>
UNIT # 1092	1997 INTERNATIONAL 4700	\$ <u>14,500.00</u>
TOTAL LESS TRADE INS		\$ <u>231,196.00</u>

BIDDER MUST FILL IN THE FOLLOWING:

A) MAKE & MODEL CAB & CHASSIS OFFERED:

INTERNATIONAL 4400

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

ALLISON 3000 RDS

C) SPECIFIC MAKE & MODEL OF ENGINE OFFERED (INCLUDE SAE NET HP):

INTERNATIONAL MAXFORCE 9 307 NET HP

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

CONSTRUCTION TRUCKS & Equip M150

DELIVERY: Delivery will be made within 200 calendar days after issuance of purchase order.



CITY OF SAN ANTONIO

P.O. Box 839966
SAN ANTONIO, TEXAS 78283-3966

ADDENDUM I

SUBJECT: Formal Invitation for Bids for Medium and Heavy Duty Trucks (08-054 ND)-scheduled to open May 23, 2008, date of issue May 5, 2008.

FROM: Denise Gallegos, CPPB, Purchasing and Contract Administrator

DATE: May 15, 2008

THE ABOVE MENTIONED BID IS HEREBY AMENDED AS FOLLOWS:

1. Page 11, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 8, Delete sentence 2.
2. Page 12, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 18, Change to read: "Transmission temperature gauge required on all automatic transmissions."
3. Page 12, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 19, Sub paragraph F, Change to read: "Tilt steering column."
4. Page 12, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 19, Add sub paragraph S to read: "A bug screen to be installed behind all grilles."
5. Page 12, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 19, Add sub paragraph T to read: "Tow hooks to be mounted on front frame rails and capable of towing the truck."
6. Page 12, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 19, Add sub paragraph U to read: "All driver seats to be of air ride design."
7. Page 12, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 19, Add sub paragraph V to read: "An 8" convex mirror to be installed below the door mirror on both sides and a fender mirror to be installed on the right fender."

8. Page 13, Item 1, Paragraph 1, Sentence 1, Change to read: "In line six (6) cylinder, minimum 7.6 liters, diesel, minimum 260 net HP rated at manufacturer's recommended RPM, producing a minimum of 800 lb. ft. of gross torque and on-off fan clutch."
9. Page 13, Item 1, Paragraph 2. Sentence 1, Change to read: "Allison 3500 RDS, or proven equal."
10. Page 13, Item 1, Paragraph 3, Add sentence to read: "To include heavy duty front shocks."
11. Page 13, Item 1, Paragraph 6, Delete last sentence.
12. Page 13, Item 1, Paragraph 6, Add sentence to read: "Seven (7) pin electric brake control to be installed on unit."
13. Page 13, Item 1, Add paragraph 12 to read: "30,000 lb. swivel type pintle hook mounted approximately 33 ½ inches from ground to center of pintle hook. Pintle hook and electrical connections will be located in a protected area that will not interfere with or be damaged by the operation of the dump body or objects being dumped."
14. Page 14, Item 1, Paragraph 4, Sentence 8, Change to read: "Power take off to be Chelsea 277XGFJPK5RB or equal, with electronic overspeed control and electronic shift controls."
15. Page 15, Item 1, Add Paragraph 10 to read: "Color – Bodies to be white in color to match the cab and chassis."
16. Page 15, Item 2 A, Paragraph 1, Sentence 1, Change to read: "Diesel, minimum 14 liter water cooled, minimum 400 net horsepower rated at manufacturer's recommended RPM, producing a minimum of 1550 ft. lb. of gross torque."
17. Page 15, Item 2 A, Paragraph 3, Change to read: "Transmission – Fuller FR15210-B, or proven equal."
18. Page 15, Item 2 A, Paragraph 6, Add sentence to read: "To include heavy duty front shocks."
19. Page 15, Item 2 A, Paragraph 8, Change to read: "Rear Suspension – Minimum 40,000 lbs. capacity, Haulmax HMX, or proven equal."
20. Page 16, Item 2 A, Paragraph 17, Change to read: "Fifth Wheel – Holland FW8-7401G4L06 32" air slide with removable blocking, or proven equal."
21. Page 17, Item 2 B, DESCRIPTION, Change to read: "Cab and Chassis, Minimum 52,000 GVWR, 120" usable cab to axle, Same as Item 2A with winch."

22. Page 17, Item 2 B, Paragraph 1, Delete sub paragraphs A, B, C, and D.
23. Page 17, Item 2 B, Paragraph 1, Add sub paragraph A to read: "Planetary hydraulic winch, 75,000 lbs. single wrap line pull capacity, two (2) speeds forward, two (2) speeds reverse. 75 gallon side mount oil reservoir filled to capacity with SAE 10 hydraulic oil. Eight (8) bolt full torque PTO as required, direct mount pump, minimum oil flow of 25 GPM at 700 RPM. 2,400 PSI, air controls for all winch functions, air feathering control for hand brake, 250' of 7/8" 6 X 37 RRL IWRC IPS cable with minimum three (3) connectors. Heavy duty mounting angles as required. Full width oil field type headache rack manufactured from 4" schedule 80 pipe, locking chain rack and tray on each side. Wet line kit as required for dump trailer, diverter valve with air control in cab, relief valve as required for 2,000 PSI, hydraulic hoses and quick couplers as required to work with City owned dump trailers."
24. Page 17, Item 3, Paragraph 1, Sentence 1, Change to read: "Diesel, minimum 12 liter water cooled, minimum 400 net horsepower rated at manufacturer's recommended RPM, producing a minimum of 1550 ft. lb. of gross torque."
25. Page 18, Item 3, Paragraph 3, Sentence 1, Change to read: "Transmission - Fuller FR15210-B or Fuller FRO-14210C, or proven equal."
26. Page 18, Item 3, Paragraph 6, Add sentence to read: "To include heavy duty front shocks."
27. Page 18, Item 3, Paragraph 8, Sentence 1, Change to read: "Minimum 40,000 lbs. capacity, Haulmax HMX, or proven equal."
28. Page 18, Item 3, Paragraph 16, Sentence 1, Change to read: "49,000 lb. swivel type pintle hook mounted approximately 33 1/2 inches from ground to center of pintle hook, 7 pin trailer electrical connection and glad hands compatible with ABS air brakes."
29. Page 20, Item 3, Add Paragraph 10 to read: "Color - Bodies to be white in color to match the cab and chassis."
30. Page 20, Item 4, Paragraph 3, Sentence 1, Change to read: "In line six (6) cylinder, minimum 7.6 liters, diesel, minimum 300 net HP rated at manufacturer's recommended RPM, producing a minimum of 1,000 lb. ft. of gross torque, with on/off fan clutch."
31. Page 21, Item 4, Paragraph 5, Sentence 1, Change to read: "Allison 3500 RDS, or proven equal."
32. Page 21, Item 4, Paragraph 8, Add sentence to read: "To be equipped with differential shift locks."

33. Page 21, Item 4, Paragraph 12, Sentence 2, Change to read: "Right hand tank to be step type, left tank may be step or frame type."
34. Page 22, Item 4, Paragraph 15, Delete sub paragraphs: "D, G, and I."
35. Page 23, Item 4, Paragraph 8, Sentence 1, Change to read: "Capacity of body to be minimum 18 cubic yards excluding loader hopper and hopper to be minimum 2.8 cubic yard capacity without extensions."
36. Page 24, Item 5, Paragraph 1, Sentence 1, Change to read: "Diesel, minimum 245 horsepower rated at manufacturer's recommended RPM, producing a minimum of 620 ft. lbs. of torque at a maximum of 1600 RPM, electronically governed to 68 MPH +/- 2 MPH."
37. Page 25, Item 5, Paragraph 2, Sentence 4, Change to read: "Pump/PTO shall automatically disengage when RPM exceeds manufacturer's recommended RPM."
38. Page 26, Item 5, Paragraph 14, Sentence 4, Change to read: "Fuel filtration to be combination filter/water separator."
39. Page 26, Item 5, Paragraph 2, Sentence 1, Change to read: "Minimum 1,900 to a maximum 2,200 gallon capacity of oval design and constructed of grade "A" steel, electrically welded throughout."
40. Page 27, Item 5, Paragraph 3, Sentence 1, Change to read: "To be manufactured of minimum 2 1/2" pipe installed at rear of tank and must provide an air gap of 6" and be visible from street level."
41. Page 27, Item 5, Paragraph 5, Sentence 2, Change to read: "Provide 50' of heavy duty 1" rubber hose on a retractable hose reel with an adjustable stream to mist nozzle."
42. Page 27, Item 5, Paragraph 6, Sentence 1, Change to read: "Install two (2) each minimum 2" adjustable brass shoes, one (1) on each side in the rear."
43. Page 27, Item 5, Paragraph 9, Add sentence to read: "On each side of water tank in minimum 3" letters (in Spanish and English) the words "Do not drink water, non potable"."
44. Page 30, Item 6, Paragraph 13, Delete sentence 37: "A steel pedestal mounted in the chassis cab to secure the switchbox while in "one-man" operation mode."
45. Page 36, Item 7, Paragraph 2, Sentence 1, Change to read: "Diesel engine with a minimum 8.0 liter, 275 hp and 1000 foot pounds of torque."
46. Page 36, Item 7, Paragraph 8, Sentence 2, Change to read: "Minimum 13.2 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic

drain valves Model KN24000 or equal, and pull chains accessible from the side of the truck.”

47. Page 37, Item 7, Paragraph 14, Sentence 1, Change to read: “Frame - Minimum 1,500,000 RBM.”
48. Page 37, Item 7, Paragraph 16, Sentence 2, Change to read: “Right hand tank to be step type, left tank may be step or frame type.”
49. Page 37, BODY SPECIFICATIONS, Paragraph 1, Sub Paragraph E: Change to read: “Single or dual lift cylinders, continuous rotation, self aligning swivel ball bushings, box fabricated booms.”
50. ~~Page 41, Item 8, Paragraph 2, Sentence 1, Change to read: “Diesel engine with a minimum 6.7 liter, 230 hp and 650 foot pounds of torque.”~~
51. Page 41, Item 8, Paragraph 3, Sentence 1, Change to read: “Allison 2500 RDS, or proven equal.”
52. Page 41, Item 8, Paragraph 6, Add sentence to read: “To include heavy duty front shocks.”
53. Page 41, Item 8, Paragraph 8, Sentence 1, Change to read: “Front and rear wheel seals to be Stemco Wet, piloted hub wheels, minimum 8.25” rims with minimum 11R-22.5 (NO EXCEPTIONS), minimum load range G, tubeless steel belted radial tires.”
54. Page 41, Item 8, Paragraph 10, Sentence 2, Change to read: “Minimum 13.2 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, and pull chains accessible from the side of the truck.”
55. Page 41, Item 8, Paragraph 10, Add sentence to read: “7 way electric brake controller.”
56. Page 42, Item 8, Delete Paragraph 17.
57. Page 42, Item 8, Paragraph 4, Add sentence to read: “Two (2) strobe lights to be mounted in rear skirt (Model 60 cut out with grommets) with all strobe lights to be on single switch.”
58. Page 44, Item 9, Paragraph 2, Sentence 1, Change to read: “Diesel engine with a minimum 8.0 liter, 300 hp and 950 foot pounds of torque.”
59. Page 44, Item 9, Paragraph 3, Change to read: “Allison 3000 RDS, or proven equal.
60. Page 44, Item 9, Paragraph 6, Add sentence to read: “To include heavy duty front shocks.”

DELETE
BY Act V

61. Page 44, Item 9, Paragraph 8, Sentence 1, Change to read: "Front and rear wheel seals to be Stemco Wet, piloted hub wheels, minimum 8.25" rims with minimum 12R-22.5 (NO EXCEPTIONS), minimum load range H tubeless steel belted radial tires."
62. Page 44, Item 9, Paragraph 10, Sentence 3, Change to read: "Minimum 13.2 CFM compressor, Midland Pure Air Plus Dryer Model DA33100 or equal with automatic drain valves Model KN24000 or equal, and pull chains accessible from the side of the truck."
63. Page 44, Item 9, Paragraph 13, Sentence 1, Change to read: "To be equipped with under cab minimum 70 gallon steel, left or right hand tank."
64. Page 44, Item 9, Paragraph 14, Change to read: "Cooling System – Largest capacity radiator with on/off fan clutch."
65. Page 44, Item 9, Paragraph 15, Sentence 1, Change to read: "Frame- Minimum 1,500,000 RBM."
66. Page 45, Item 9, Delete Paragraph 17.
67. Page 48, Item 2 B, DESCRIPTION, Change to read: "Cab and Chassis, Minimum 52,000 GVWR, 120" usable cab to axle, Same as Item 2A with winch."

****THIS ADDENDUM TO BE SIGNED AND RETURNED WITH THE BID PACKAGE****

Denise Gallegos, CPPB
Purchasing and Contract Administrator
Purchasing & Contract Services Department

Date 05-30-08

Company Name SANTOX TRUCK CENTER LTD

Address: 1380 ACKERMAN RD

City / State / Zip Code SAUN ANTONIO, TX 78219

Signature [Handwritten Signature]



CITY OF SAN ANTONIO

P.O. Box 839966
SAN ANTONIO, TEXAS 78283-3966

ADDENDUM II

SUBJECT: Formal Invitation for Bids for Medium and Heavy Duty Trucks (08-054 ND)-scheduled to open May 23, 2008, date of issue May 5, 2008.

FROM: Denise Gallegos, CPPB, Purchasing and Contract Administrator

DATE: May 16, 2008

THE ABOVE MENTIONED BID IS HEREBY AMENDED AS FOLLOWS:

1. Page 28, Item 6, Paragraph 6, Sentence 2, Change to read: "It shall be equipped with a minimum 12.9 CFM air compressor."
2. Page 37, Item 7, Paragraph 11, Sentence 1, Change to read: "Front and rear wheel seals to be Stemco Wet, hub piloted wheels, minimum 8.25" rims with minimum 12R-22.5 (NO EXCEPTIONS), minimum load range H, tubeless steel belted radial tires."

****THIS ADDENDUM TO BE SIGNED AND RETURNED WITH THE BID PACKAGE****

A handwritten signature in cursive script, appearing to read "Denise Gallegos".

Denise Gallegos, CPPB
Purchasing and Contract Administrator
Purchasing & Contract Services Department

Date 05-30-08

Company Name: SANTEX TRUCK CENTER LTD

Address: 1380 ACKERMAN RD

City / State / Zip Code: San Antonio, TX 78219

Signature: [Handwritten Signature]



CITY OF SAN ANTONIO

P.O. Box 839966
SAN ANTONIO, TEXAS 78283-3966

ADDENDUM III

SUBJECT: Formal Invitation for Bids for Medium and Heavy Duty Trucks (08-054 ND)-scheduled to open May 23, 2008, date of issue May 5, 2008.

FROM: Denise Gallegos, CPPB, Purchasing and Contract Administrator

DATE: May 20, 2008

THE ABOVE MENTIONED BID IS HEREBY AMENDED AS FOLLOWS:

1. Addendum I, Item Number 23, Delete in its entirety.
2. Page 17, Item 2 B, Paragraph 1, Add sub paragraph A to read: "Planetary hydraulic winch, 75,000 lbs. single wrap line pull capacity, two (2) speeds forward, two (2) speeds reverse. 75 gallon side mount oil reservoir filled to capacity with SAE 10 hydraulic oil. Eight (8) bolt full torque PTO as required, direct mount pump, minimum oil flow of 25 GPM at 700 RPM. 2,400 PSI, air controls for all winch functions, air feathering control for hand brake, 250' of 7/8" 6 X 37 RRL IWRC IPS cable with minimum three foot (3') cam alloy tail chain (minimum 7/8" links) and eye hook on end. Chain to be attached to cable with swage connector. Heavy duty mounting angles as required. Full width oil field type headache rack manufactured from 4" schedule 80 pipe, locking chain rack and tray on each side. Wet line kit as required for dump trailer, diverter valve with air control in cab, relief valve as required for 2,000 PSI, hydraulic hoses and quick couplers as required to work with City owned dump trailers."
3. Page 41, Item 8, Paragraph 10, Sentence 1, Change to read: "Four channel ABS, front and rear dust shields, minimum 15" X 4" front, minimum 16-1/2" X 7" rear brakes."

****THIS ADDENDUM TO BE SIGNED AND RETURNED WITH THE BID PACKAGE****

Denise O. Gallegos

Denise Gallegos, CPPB
Purchasing and Contract Administrator
Purchasing & Contract Services Department

Date 05-30-08

Company Name: FRANTEX TRUCK CENTER LTD

Address: 1380 ACKERMAN RD

City / State / Zip Code SAN ANTONIO, TX 78229

Signature [Handwritten Signature]



CITY OF SAN ANTONIO

P.O. Box 839966
SAN ANTONIO, TEXAS 78283-3966

ADDENDUM IV

SUBJECT: Formal Invitation for Bids for Medium and Heavy Duty Trucks (08-054 ND)-scheduled to open May 23, 2008, date of issue May 5, 2008.

FROM: Denise Gallegos, CPPB, Purchasing and Contract Administrator

DATE: May 21, 2008

THE ABOVE MENTIONED BID IS HEREBY AMENDED AS FOLLOWS:

1. The bid opening date is hereby extended to **May 30, 2008**.

****THIS ADDENDUM TO BE SIGNED AND RETURNED WITH THE BID PACKAGE****

Denise Gallegos, CPPB
Purchasing and Contract Administrator
Purchasing & Contract Services Department

Date 05-30-08
Company Name: SANTEX TRUCK CENTER LTD
Address: 380 ACKERMAN RD.
City / State / Zip Code: SAN ANTONIO, TX 78219
Signature: [Handwritten Signature]



CITY OF SAN ANTONIO

P.O. Box 839966
SAN ANTONIO, TEXAS 78283-3966

ADDENDUM V

SUBJECT: Formal Invitation for Bids for Medium and Heavy Duty Trucks(08-054 ND)-scheduled to open May 30, 2008, date of issue May 5, 2008.

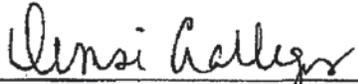
FROM: Denise Gallegos, CPPB, Purchasing and Contract Administrator

DATE: May 22, 2008

THE ABOVE MENTIONED BID IS HEREBY AMENDED AS FOLLOWS:

1. Page 20, Item 4, Delete in its entirety.
2. Page 27, Item 5, Paragraph 12, Delete 3rd sentence.
3. Addendum I, Paragraph 50, Delete in its entirety.
4. Page 41, Item 8, Paragraph 2, Sentence 1, Change to read, "Diesel with a minimum 6.7 liter, 230 hp and 620 foot pounds of torque."
5. Page 50, Price Schedule, Item 4, Delete in its entirety.
6. Page 51, Price Schedule, Item 5, Less Trade-In Units, Delete Unit #4524.

****THIS ADDENDUM TO BE SIGNED AND RETURNED WITH THE BID PACKAGE****

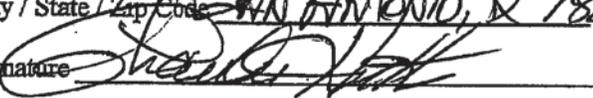

Denise Gallegos, CPPB
Purchasing and Contract Administrator
Purchasing & Contract Services Department

Date 05-30-08

Company Name: SANTEX TRUCK CENTER LTD

Address: 1380 ACKERMAN RD

City / State / Zip Code SAN ANTONIO, TX 78219

Signature 



CITY OF SAN ANTONIO

P.O. Box 839966
SAN ANTONIO, TEXAS 78283-3966

ADDENDUM VI

SUBJECT: Formal Invitation for Bids for Medium and Heavy Duty Trucks(08-054 ND)-scheduled to open May 30, 2008, date of issue May 5, 2008.

FROM: Denise Gallegos, CPPB, Purchasing and Contract Administrator

DATE: May 28, 2008

THE ABOVE MENTIONED BID IS HEREBY AMENDED AS FOLLOWS:

1. Page 11, SPECIFICATIONS AND GENERAL REQUIREMENTS, Paragraph 8, Sentence 1, Change to read: "An operator's manual per unit, to include five (5) sets of parts and maintenance manuals or CD ROM per model of all equipment, accessories, and components will be required.

****THIS ADDENDUM TO BE SIGNED AND RETURNED WITH THE BID PACKAGE****

A handwritten signature in black ink, appearing to read 'Denise Gallegos'.

Denise Gallegos, CPPB
Purchasing and Contract Administrator
Purchasing & Contract Services Department

Date 05-30-08

Company Name: Santex Truck Center LTD

Address: 580 Arkenman Rd.

City / State / Zip Code: San Antonio, TX 78219

Signature [Handwritten Signature]



CITY OF SAN ANTONIO
Request for Council Action

Agenda Item # 10
Council Meeting Date: 9/4/2008
RFCA Tracking No: R-3756

DEPARTMENT: Purchasing & Contract Services **DEPARTMENT HEAD:** Janie Cantu

COUNCIL DISTRICT(S) IMPACTED:
City Wide

SUBJECT:
Medium and Heavy Duty Trucks - Diesel Powered

SUMMARY:

This ordinance authorizes the acceptance of a contract with Grande Truck Center and Santex Truck Center, Ltd., to provide the City of San Antonio's Public Works and Parks and Recreation Departments with medium and heavy duty diesel powered trucks. The total cost of this purchase is for \$1,977,993.00 and will be funded by the Equipment Renewal Replacement Fund.

BACKGROUND INFORMATION:

The attached tabulation of eleven (11) bids to furnish medium and heavy duty trucks is submitted for City Council consideration and action. The bid submitted by Santex Truck Center, Ltd. for Item 2B did not meet bid specifications due to the winch not having two (2) forward and two (2) reverse drive gears. The low responsive bids were submitted by Grande Truck Center - Items 2A, 2B, 7 and 9 and Santex Truck Center, LTD - Item 3 for a total of \$1,977,993.00.

This purchase will provide twenty-six (26) replacement vehicles for the Public Works and Parks and Recreation Departments. These are medium and heavy duty vehicles used for refueling City-owned equipment, hauling debris and road materials, performing street maintenance and repairs, and other construction related services. The City uses various types of medium and heavy duty trucks during the course of normal operations.

Due to the Gross Vehicle Weight Rating of the trucks being purchased, they are not available in Liquefied Petroleum Gas (LPG) fueled models.

The life expectancy of these vehicles is ninety-six (96) months. Each vehicle will be placed into the Vehicle Replacement Program in FY2009.

ISSUE:

This contract will provide the Public Works and Parks and Recreation Departments with twenty-six (26) medium and heavy duty trucks to replace existing vehicles which have met or exceeded

scheduled replacement parameters. These replacement vehicles will be utilized for refueling City-owned equipment, hauling debris and road materials, performing street maintenance and repairs, and other construction related services.

This contract allows for additional purchases through December 31, 2008. The equipment will be covered by either a one (1) or two (2) year, unlimited mileage warranty which includes parts and labor.

ALTERNATIVES:

The current vehicles scheduled for replacement have met their age and / or mileage requirement cycles and are no longer economically feasible to repair. If the replacement vehicles are not purchased, routine necessary field work may be compromised and thus create the potential of delays in delivery of essential services to the citizens of San Antonio.

FISCAL IMPACT:

The total cost of this contract is \$1,977,993.00. Funding will be from the Equipment Renewal and Replacement Fund. All expenditures will be in accordance with the FY 2008 Budget approved by City Council.

RECOMMENDATION:

Staff recommends approval of this purchase. The medium and heavy duty diesel powered trucks will enable the City to continue performing the necessary field work without compromise.

ATTACHMENT(S):

File Description	File Name
Grande Truck Center - Contract	Grande Truck Center - Contract.pdf
Grande Truck Center - Addendums	Addendums for Grande Truck Center.pdf
Santex Truck Center, Ltd. - Contract	Santex Truck Center, Ltd.- Contract.pdf
Santex Truck Center, Ltd. - Addendums	Addendums for Santex Truck Center, Ltd..pdf
Bid Tab	08-054 Bid Tab.pdf
Voting Results	
Ordinance/Supplemental Documents	200809040747.pdf

DEPARTMENT HEAD AUTHORIZATIONS:

Steve Morando Assistant Director Purchasing & General Services

APPROVED FOR COUNCIL CONSIDERATION:

Sharon De La Garza Assistant City Manager