

AN ORDINANCE 2006 - 0 2 - 0 2 - 0 1 5 2

**ACCEPTING THE LOW BID SUBMITTED BY INDUSTRIAL DISPOSAL SUPPLY TO PROVIDE THE PUBLIC WORKS DEPARTMENT WITH FOUR REPLACEMENT TRUCK-MOUNTED STREET SWEEPERS FOR A TOTAL OF \$576,924.00, FROM THE EQUIPMENT RENEWAL AND REPLACEMENT FUND.**

\* \* \* \* \*

**WHEREAS**, bids were submitted to provide the City of San Antonio Public Works Department with four replacement truck-mounted street sweepers; and

**WHEREAS**, the low bid was submitted by Industrial Disposal Supply for a total cost of \$576,924.00; **NOW THEREFORE**:

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

**SECTION 1.** The bid submitted by Industrial Disposal Supply to provide the City of San Antonio Public Works Department with four replacement truck-mounted street sweepers for a total cost of \$576,924.00 is hereby accepted, subject to and contingent upon the deposit of all required bonds, performance deposits and insurance certificates. Attached hereto and incorporated herein for all purposes as Exhibit A are the bid and bid tabulation sheet.

**SECTION 2.** The amount of \$576,924.00 will be encumbered in Fund 72-001000, Equipment Renewal and Replacement Fund, in GL 5709090, Cost Center 1503200001, and will be authorized to be made payable to Industrial Disposal Supply upon issuance of the purchase order. All expenditures will be in accordance with the FY 2005-2006 budget approved by City Council.

**SECTION 3.** The financial allocations in this Ordinance are subject to approval by the Acting Director of Finance, City of San Antonio. The Acting 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 4.** This ordinance shall take effect February 12, 2006.

**PASSED AND APPROVED** this 2<sup>nd</sup> day of February, 2006.

  
M A Y O R  
PHIL HARDBERGER

ATTEST:

  
City Clerk

APPROVED AS TO FORM:

  
City Attorney

## City of San Antonio Bid Tabulation

Opened: December 30, 2005			<b>FSWN</b>	<b>MLWN</b>
For: Street Sweepers			Industrial Disposal Supply	Tymco International, Ltd.
06-029 TC		TC	PO Box 8175	PO Box 2368
			San Antonio, TX 78208	Waco, TX 76703
Item	Description	Quantity		
1	Street Sweeper, High Side Dump, Truck Mounted	4		
	Price per Each		\$166,731.00*	\$174,310.00
	Price Total		\$666,924.00	\$697,240.00
	Less Trade In - Unit #953		\$15,000.00	\$15,000.00
	Less Trade In - Unit #954		\$15,000.00	\$15,000.00
	Less Trade In - Unit #955		\$15,000.00	\$15,000.00
	Less Trade In - Unit #956		\$15,000.00	\$15,000.00
	Less Trade In - Unit #957		\$15,000.00	\$15,000.00
	Less Trade In - Unit #958		\$15,000.00	\$15,000.00
	Total Trade Ins		\$90,000.00	\$90,000.00
	Price Total Less Trade-Ins		\$576,924.00	\$607,240.00
	Make		International	International
	Model		4200	4200
	Body		Tymco 500X	Tymco 500X
	Delivery		150 Days	180 Days
	Terms		Net 30	Net 30
	<b>Total Award</b>		<b>\$576,924.00</b>	

\* Price included \$2,000 discount for tire option.

**EXHIBIT A**

CITY OF SAN ANTONIO PURCHASING & GENERAL SERVICES DEPARTMENT

Issued By: TC  
BID NO.: 06-029 TC

Date Issued: December 12, 2005  
Page 1 of 24

FORMAL INVITATION FOR BIDS  
STREET SWEEPERS

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 **DECEMBER 30, 2005**

The City of San Antonio Purchasing 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 Specifications and General Requirements  
Terms and Conditions of Invitation for Bids 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: JACK CURTIS Firm Name: INDUSTRIAL DISPOSAL SUPPLY  
(Please Print or Type)  
Address: P. O. BOX 8175  
Signature of Person Authorized to Sign Bid City, State, Zip Code: SAN ANTONIO, TX 78208  
Email Address: JCURTEX@AOL.COM Telephone No.: 210-227-3441  
Fax No.: 210-227-4424

Please complete the following:

Prompt Payment Discount: - % - 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)

X Female Owned Handicapped Owned X Small Business (less than \$1 million annual receipts or 100 employees)

Indicate Status: Partnership X Corporation Sole Proprietorship Other (specify)

Tax Identification Number: 74-1538137 Social Security Number: - - - - -

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 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 Open 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 Open 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 Invitation for Bids.
- (b) Where there is a discrepancy between the unit price and the extended price, the unit price shall prevail.
- (c) Any bid that is considered for award on an "all or none" basis must include a price quote for all units or line items. 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.
- (d) Alternate bids may be allowed at the sole discretion of the City.

- (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. Facsimile bids must be submitted in accordance with Par. 6 (a) above. 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 "Low 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, however, 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 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 of Purchasing 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) Prompt payment discounts will be considered in making the award provided the period of the discount offered is sufficient to permit payment within such period in the regular course of business (minimum ten days).
- (b) 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. Re 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 of Purchasing & General Services, 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) Either party may cancel the contract at any time after award. The City shall be required to give the vendor notice **thirty** days prior to the date of cancellation of the contract. The vendor shall be required to give the City written notice **sixty** days prior to the date of cancellation of the contract.

**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 of Purchasing. 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 & General 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 & General 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 of Purchasing & General Services 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. INDEMNITY**

- (a) **CONTRACTOR** covenants and agrees to **FULLY INDEMNIFY** and **HOLD HARMLESS**, the **CITY** and the elected officials, employees, officers, directors, and representatives of the **CITY**, individually or 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 injury or death and property damage, made upon the **CITY**, directly or indirectly arising out of resulting from or related to **CONTRACTOR'S** activities under this **CONTRACT**, including any acts or omissions of **CONTRACTOR**, any agent, officer, director, representative, employee, consultant or subcontractor of **CONTRACTOR**, and their respective officers, agents, employees, directors and representatives while in the exercise or performance of the rights or duties under this **CONTRACT**, all

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 INDEMNIFICATION 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. CONTRACTOR shall promptly advise the CITY in writing of any claim or demand against the CITY or CONTRACTOR known to CONTRACTOR related to or arising out of CONTRACTOR'S activities under this CONTRACT and shall see to the investigation and defense of such claim or demand at CONTRACTOR'S cost. The CITY shall have the right, at its option and at its own expense, to participate in such defense without relieving CONTRACTOR of any of its obligations under this paragraph.

- (b) It is the EXPRESS INTENT of the parties to this contract, that the INDEMNITY provided for in this section, is an INDEMNITY extended by CONTRACTOR to INDEMNIFY, PROTECT and HOLD HARMLESS the CITY from consequences of the CITY'S OWN NEGLIGENCE, provided however, that the INDEMNITY provided for in this section SHALL APPLY only when the NEGLIGENT ACT of the CITY is a CONTRIBUTORY CAUSE of the resultant injury, death, or damage, and shall have no application when the negligent act of the CITY is the sole cause of the resultant injury, death, or damage. CONTRACTOR further AGREES TO DEFEND, AT ITS OWN EXPENSE and ON BEHALF OF THE CITY AND IN THE NAME OF THE CITY, any claim or litigation brought against the CITY and its elected officials, employees, officers, directors and representatives, in connection with any such injury, death, or damage for which this INDEMNITY shall apply, as set forth above.

#### 20. INSURANCE

If required, specific insurance provisions will be included in bid specifications. An original, certified copy of an insurance certificate must be submitted within ten days from 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.

#### 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 & General Services Department.

**24. ASSIGNMENT**

The successful vendor shall not sell, assign, transfer or convey this contract in whole or in part, without the prior written consent of the City of San Antonio Purchasing & General Services Department. Any such assignment or transfer shall not release vendor from all contractual obligations.

**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 & General Services Department at (210) 207-7260 and referenced by bid number.

**SPECIFICATIONS AND GENERAL REQUIREMENTS**

**SCOPE:** The City of San Antonio is soliciting bids for High Rise Dump Sweepers in accordance with the specifications listed herein. This equipment will be utilized by the Public Works Department, Storm Water Division for City Street cleaning. The unit is to be a diesel powered, regenerative air with a variable height side dump sweeper mounted on a diesel powered truck chassis.

**GENERAL CONDITIONS:**

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 refuse 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:** INDUSTRIAL DISPOSAL SUPPLY

**ADDRESS:** 1106 PAULSUN SAN ANTONIO, TEXAS

3. Delivery - All deliveries are to be made inside the City limits of San Antonio. Vendor must deliver equipment to the location specified by the Fleet Acquisition Manager, Jeff Moore at (210) 532-8374. 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 1500 miles accumulated on the odometer upon delivery will not be accepted. When delivered, all units must have a current State Inspection Decal and the fuel tanks must be filled at a minimum of 25 gallons of fuel. Delivery of all units will be no later than 90 days after issuance of Purchase Order. Delivery of units does not ensure acceptance by the City of San Antonio, after each unit has passed the requirements of the bid the 60 day clock will stop. There will be a .25% penalty per day on units exceeding the delivery requirements.

4. **Equipment Manuals** – Successful bidder to furnish one set of operator manuals covering all major components of the vehicle (cab, chassis, bodies) for each unit delivered. Successful bidder must also provide five (5) complete sets of operator and shop repair manuals or CD ROM's for each item bid, to include all major components, or prepaid 8-year subscription to manufacturer's maintenance/parts web site at no cost to the City.
5. **Training** – Training shall be provided by a qualified instructor. Training shall be conducted at a designated City facility. The City will not pay any cost incurred by the successful bidder in providing training. The successful bidder shall be required to provide onsite training of two, four hour sessions for operators and technicians. A video shall also be provided to demonstrate the safe operation of the entire system.
6. **Trade Ins** – The City of San Antonio reserves the right to retain any trade-in unit 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. A successful bidder for outright purchase of trade-in units will be required to provide a performance bond, cashier's check or certified check in the amount of 100% of the total trade-ins awarded to the bidder. This will be required within 10 days of notification. Bond, cashier's check or certified check will not be returned until all trade-in units have been accepted and paid for by the successful bidder. Trade-in units will become available only as new units included in this bid have been in service for a minimum of 8 workdays. Trade-in units will be operational but turned over to the successful bidder in an "as is" condition. In the event a trade in unit becomes damaged by accident or neglect, the City reserves the right to retain the trade in or perform necessary repairs. Bidders will be required to pick up trade-in units within 7 days of notification of their availability. Arrangements to view trade-in units may be made by contacting the Fleet Acquisition Manager, Jeff Moore at (210) 532-8374
7. **Demonstrations** – The City may request, from selected vendors, a demonstration of proposed equipment. The City is under to obligation to demo all products proposed by vendors. If a demonstration is required, the City's Fleet Acquisition Manager, will contact the vendor to schedule the product demonstration. This request will be considered an integral part of the bid process. Failure to comply may result in the bid being deemed non-responsive, and therefore, not considered for award. Upon request, the vendor shall have a minimum of five (5) working days to provide and deliver the equipment to a location specified by City for the demonstration. The vendor shall make the equipment available for a minimum of five (5) working days at City's location, but not to exceed ten (10) working days.
8. **Evaluation** – In the event that a demonstration is required, the equipment will be evaluated on numerous factors, including, but not limited to, meeting minimum bid specifications, operating efficiency, operator's ability to maneuver effectively and safely, as well as placement of instruments and components. Award will be made to the Vendor proposing the combination most advantageous to the City of San Antonio based upon an integrated assessment of the factors noted in this paragraph. This evaluation process may result in award(s) to a higher rated, higher priced Vendor, where the decision is consistent with the evaluation factors and the City has reasonably determined that the technical superiority and/or overall business approach of the higher priced Vendor(s) outweighs the difference in price. To arrive at a selection decision, the City will integrate the evaluators' assessment of the evaluation factors outlined above with those stated elsewhere in these specifications. While the City's source selection evaluation team strives for maximum objectivity, the source selection process, by its nature, is subjective and, therefore, professional judgment is implicit throughout the entire process. While the City may award on the basis of lowest, responsive bid, the City reserves the right to award on the basis of best value and/or using the health and safety exception to the competitive bidding rules.

9. All prices will be quoted F.O.B., designated City of San Antonio facility. All bids will be submitted in triplicate and will include complete manufacturer's specifications for each model being bid.
10. Pre-Bid Conference: A pre-bid conference will be conducted at 10:00 A.M., December 20, 2005. Location will be at the Fleet Operations Conference Room at 329 S. Frio, San Antonio, TX 78207
11. Any equipment furnished must meet all Federal and State safety plus lowest emissions requirements possible.
12. City of San Antonio reserves the right to increase or decrease quantity of units being purchased through December 31, 2006, 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.
13. For questions pertaining to technical specifications, contact Jeff Moore at (210) 532-8374. For questions regarding bidding procedures, contact Terri Canal at (210) 532-8374 or [tcanal@sanantonio.gov](mailto:tcanal@sanantonio.gov) .
14. The City reserves the right to reject any and all bids, and to waive irregularities and any requirements of the bid if deemed to be in the best interest of the City.
15. All units must be delivered to the City in a ready for service condition.

ITEM	QUANTITY	DESCRIPTION
1	4 Each	Street Sweeper, Municipal Diesel Powered, 5.7 Cubic Yard Volumetric Capacity, Variable Height Dumping, with Twin Gutter Brooms and Dual Steering

**SPECIFICATIONS:**

**A. CAB AND CHASSIS -**

All equipment furnished under this contract to be new, unused and the same as the manufacturer's current production model. Accessories not specifically mentioned herein, but necessary to furnish complete unit ready for use, must also be included. Units to conform to the best practice known to the body trade in design, quality of material and workmanship. Assemblies, sub-assemblies and component parts to be standard and interchangeable throughout the entire quantity of units as specified in this invitation to bid. The equipment furnished must conform to ANSI Safety Standard Z245.1-1999 or any Federal , State or local requirements

1. Engine – Diesel, 4-cycle, water cooled, minimum 200 horsepower rated at manufacturer's recommended RPM, producing a minimum of 550 lb. ft. of torque. Dual-element, dry-type air cleaner and restriction warning on the dash. Engine idle time will be limited to three (3) minutes, cruise control to be

included. Road speed electronically controlled to 65 MPH +/- 2 MPH. Remote engine control wiring and automatic glow plug with indicator light shall be supplied

2. Engine Protection – All diesel engines furnished under this bid shall be protected by an OEM 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 are unsafe per the manufacturer's specifications, system must provide time limited automatic override. System must provide audio and visual alarms for thirty (30) seconds prior to shutdown.
3. Cooling System – Maximum capacity offered by the manufacturer. Coolant to be extended life, mixed to protect to -34° F. Silicone coolant hoses with stainless steel constant torque type hose clamps. Full flow, spin-on type, coolant filter. Low coolant warning to be provided.
4. Transmission – Shall be heavy duty Allison 2500 RDS-P wide ratio, electronic, five-speed forward, one reverse, and automatic, with PTO provision.
5. Electrical – Units to be equipped with 12-volt, heavy-duty batteries (minimum 1100 CCA). Alternator shall be 12-volt, minimum 110 amps, and gauge of lead wires to be sufficient to meet calculated load for this application. Shall consist of two (2), multiple beam halogen headlights with dash beam indicator, daytime running lights, instrument panel, taillights, stop lights, front and rear turn signals, and self canceling signal switch, equipped for 4-way flashing. Taillights, stop lights and signal lamps may be in combination.
6. Frame – Minimum of 80,000 PSI.
4. Front Axle – Minimum 10,000 lbs. capacity with minimum 10,000 lbs. Front shock absorbers to be heaviest duty available for specified axle.
5. Steering – Dual (left and right side), integral power steering with cruise control and tilt.
6. Rear Axle – Minimum 23,000 lbs., single speed.
7. Rear Suspension – Minimum 23,000 lbs capacity. Suspension shall be Hendrickson Air HAS 230, 23,000 lbs. capacity, 9.5 ride height with shock absorbers or proven equal.
8. Wheels & Tires – All wheels to be 10-hole hub piloted steel disc wheel, 22.5 x 8.5. Tires 12R22.5 14-ply with on/off highway tread design on rear axle and steering tread on front; as well as, rib cut and chip compound, tubeless, steel belted.
9. Brakes – Full air, Bendix ABS brake control system, S-cam service brakes. Brakes to be the maximum size offered O.E.M., minimum 15 inch x 4 inch front and 16-½ inch x 7 inch rear. Front and rear Rockwell or proven equal, automatic slack adjusters with stroke indicators. Minimum 13.2 CFM compressor, Midland Pure Air Plus Dryer Model DA-33100 or proven equal, with automatic drain valves Model KN-24000 or proven equal, and a manual drain valve on each tank with pull chains accessible from the side of the truck.
10. Fuel System – To be equipped with minimum 50-gallon metal tank. Fuel filtration system to include primary and secondary type fuel filter(s) with water separator. Tank will supply fuel to both engines.

11. Units to be equipped with the following additional equipment:
  - a. Mirrors: West Coast type, right and left hand, heavy-duty, 6 inch x 16 inch split focus, (approximately 2/3 flat area, 1/3 adjustable convex) breakaway type, or proven equal.
  - b. Horns: Air horn(s) and minimum single electric horn. Air and electric horns will be operable from both driving positions.
  - c. Seats: Driver seats to be high back bucket type, National Cush-n-Aire or proven equal.
  - d. Turn indicators and four-way flasher front and rear.
  - e. Hour Meter.
  - f. Windshield wiper/washers with minimum 3-speed or variable speed wipers.
  - g. Fire Extinguisher: 10-lb., ABC type to be securely mounted in the cab.
  - h. DOT triangle warning kit securely mounted in the cab.
  - i. Cab grab handles, to be mounted on both sides.
  - j. Two (2) front tow hooks, frame attached, tow hooks to be designed and installed to allow for lifting and towing of vehicles.
  - k. Exterior sun visor, painted same color as cab. Interior sun visors for both driver positions.
  - l. Arm rest, both sides.
  - m. Minimum AM/FM radio with two speakers.
  - n. Ignition switches and door locks to be keyed alike. Minimum of three (3) keys to be provided with each truck.
  - o. Cigar lighter/power port.
  - p. Backup alarm.
12. Color – OEM white.
13. Air Conditioning – Cab shall have in-dash chassis manufacturer's factory installed air conditioner for operator safety and comfort with a fresh air filter. 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 Acquisition Manager before installation. All air conditioner components to be compatible and recommended for end

item. Vehicles to be equipped with tinted glass and insulated cab headliner. After market air conditioners are unacceptable.

14. GVWR – Minimum Gross vehicle weight rating 33,000 GVW.
15. Wheelbase – Shall be 152" and shall provide 84" between back of cab and center of rear axle for proper load distribution.

#### B. HIGH SIDE DUMP SWEEPER -

1. All equipment furnished under this contract to be new, unused and the same as the manufacturer's current production model. Accessories not specifically mentioned herein, but necessary to furnish complete unit ready for use, must also be included. Unit to conform to the best practice known to the body trade in design, quality of material and workmanship. Assemblies, sub-assemblies and component parts to be standard and interchangeable throughout the entire quantity of units as specified in this invitation to bid. The equipment furnished must conform to ANSI Safety Standard Z245.1-1999.
2. Power Unit – The Sweeper power unit shall be a diesel fueled, water-cooled, and turbocharged electronic industrial engine or proven equal. Piston displacement shall not be less than 276 cubic inch developing minimum 115 HP @ 2500 RPM and 291 ft. lbs. torque @ 1400 RPM. Engine shall be 4-cycle. Engine ECU shall be programmed to provide automatic engine monitoring and shutdown when engine problem is detected, such as high coolant temperature or low oil pressure. All engine controls shall be located inside cab.
3. Dust Separator – Separation of the dirt and refuse from the air stream shall be accomplished within the hopper and by means of an independent multi-pass cylindrical, centrifugal, single chamber dust separator with a minimum size of 28" diameter and 48" width. The separator shall be designed so that it will not plug with normally encountered debris. The dust separator door shall be self-opening and self-emptying when the hopper tilts. The housing shall have a bolt-on abrasion resistant bonded rubber lining material for long life and serviceability
4. Hopper –
  - a. Hopper size shall be approximately 5.7 cubic yards volumetric measurement with a useable capacity of not less than 4.0 cubic yards.
  - b. When hopper is fully tilted to the dump position, the hopper floor shall have approximately a 50° dump angle.
  - c. When the hopper is stowed, the hopper floor shall have approximately a 10° slope to assist with clean out and draining.
  - d. Hopper shall discharge debris on the right side as viewed from the rear.
  - e. The hopper dump height shall have an infinite variable of 24 inches up to 132 inches from tip of discharge chute to the ground with the hopper fully tilted.
  - f. Hopper door opening shall be a minimum of 68 inches wide by 57 inches tall (68" W x 57" L).

- g. Hopper door shall be hydraulically locking. Hopper door shall have two (2) additional mechanical cam locks on door edge opposite from hinges to assure air and watertight operation.
  - h. Hopper shall have a separate discharge chute to project debris into middle of dump container.
  - i. Discharge chute shall have side panels on each side to prevent lateral spillage.
  - j. Discharge chute shall use a rubber seal in the lowered position to prevent leakage while dumping.
  - k. Unit shall have rubber seals on all doors and opening so that the Hopper shall be airtight.
  - l. Hopper suction inlet shall have a bolt-on replaceable wear resistant liner.
  - m. The dump door and discharge chute shall be actuated by dual hydraulic cylinders that are attached between the door and chute, independent of the hopper. With the dump door cylinder fully extended, the chute must be capable of floating approximately 45° upward when contacted by a dump container on the bottom side without incurring structural damage to the sweeper.
  - n. The dump door and discharge chute must be capable of being opened fully without tilting hopper to assist with clean out and service.
  - o. The hopper shall have a two-piece stainless steel screen designed with integral openings for cleaning the hopper above the screen without the use of drop-down screens or access panels.
  - p. Filters and baffles are not acceptable due to increased cost of replacement and cleaning.
  - q. A hopper drain shall be integrated into the dump door with a hinged screen for easy cleaning.
  - r. Hopper load indicator shall be provided with audible and visual indicators in cab that signals full load by weight.
5. Lift Mechanism –
- a. Hopper elevation for dumping shall be accomplished by means of a two-stage scissor lift with a lift capacity of 10,000 lbs.
  - b. Two (2) double acting hydraulic cylinders shall active a scissor mechanism with integral counterbalance holding valves. Pilot operated check valves are not acceptable. Holding valves are to be plumbed into the cylinders via steel lines; hydraulic hoses are not acceptable between the holding valve manifold(s) and the cylinder ports.
  - c. All pivots on the lift mechanism shall utilize self-lubricated bearings and require no grease fittings.
  - d. Safety props shall be provided for scissor lift servicing. A location will be provided on the scissor mechanism to stow the props when not in use. Props must be capable of safely supporting the full payload capacity and the pull down force of the scissor actuators.

- e. Sweeper shall have left and right stabilizers which automatically deploy before the scissor mechanism begins to rise. Stabilizers shall remain in the down position until the lift mechanism is fully seated in the sweeping position.
- f. A warning system shall be provided to indicate when the stabilizers are deployed. Solid-state proximity switches shall be used to sense stabilizer position.
- g. Raising, lowering and tilting of the hopper shall be controlled from the operator console in the cab

#### 6. Lights and Warning Systems -

- a. An amber strobe light with 2,300,000+ candlepower, a minimum input of 23 Joules, and 60 flashes per minute shall be mounted between the cab and the hopper and viewable from the sides and front of the sweeper. The strobe light shall have a protective limb guard.
- b. Four (4) LED rear amber strobe lights shall be mounted on the rear doors of the engine compartment; thus, providing sweeper with rearward illumination.
- c. Two (2) LED stop/turn/tail lights shall be mounted on the rear doors of the engine compartment.
- d. Two (2) work lights shall be mounted on the rear of the sweeper to illuminate the swept path and engine compartment.
- e. One (1) work light shall be located on the right side for illumination when dumping.

#### 7. Hydraulic System -

- a. The hydraulic system shall be adequate for use within the design requirements of the sweeper. The system shall include a minimum 30-gallon metal reservoir, sight level/temperature gauge, dual 60 mesh suction line strainers, replaceable 10-micron spin-on tank filler/vent port filter.
- b. The hydraulic system shall use a single spin-on 10-micron absolute synthetic media in-line return filter with 25 PSI bypass and restriction indicator for service.
- c. The hydraulic tank shall incorporate an oil level float switch to automatically shutdown the power unit if the tank oil approaches an unsafe operating level.
- d. The hydraulic system shall use high quality hydraulic cylinders, gutter broom drive motors, stackable control valves, cartridge relief valves, check valves, sequence valves and pressure compensated flow control valves.
- e. The hydraulic system oil cooler shall be air to oil with thermostatically controlled integral high-speed electric fan.
- f. The hoses and fittings shall be adequate for operational pressures and parameters.
- g. Two (2) variable displacement piston pumps in tandem shall be located at the power unit flywheel and direct driven by a serviceable flex coupling.

- h. The blower pump shall drive the fixed displacement motor for the sweeper blower using a hydrostatic closed loop circuit to minimize tank capacity and maximize hydraulic efficiency.
  - i. The blower pump shall be manually stroked and de-stroked by an electric actuator for infinite control of the blower RPM and system simplicity, and it shall be controlled from the operator console in the cab.
  - j. The blower pump control shall use a neutral switch to prevent power unit from being started under hydraulic load and for safety.
  - k. The blower pump shall use a separate external high-pressure filter with restriction indicator to provide clean oil for the closed loop circuit and four (4) year pump warranty with proper service.
  - l. The secondary variable piston load sense pump shall be an open loop pump that provides pressure and flow for the load sensing manifold that controls flow to the main hydraulic system manifold, the BAH manifold and for the hopper lift system.
8. Auxiliary Hydraulic System -
- a. The sweeper shall be supplied with an electric powered hydraulic pump to serve as a temporary system pump for lowering hopper and activating the sweeper components without the need to start the power unit.
  - b. The pump shall be rated with a minimum flow of 1.2 GPM at 2400 PSI.
9. Blower -
- a. The blower shall be driven using a fixed displacement heavy-duty hydraulic motor.
  - b. The blower motor shall use a flexible coupling to drive the sweeper blower for efficiency, noise reduction and ease of service.
  - c. Blower motor shall use a sensor to provide blower RPM reading inside cab for operator control.
  - d. Blower shall be heavy duty, wear resistant, turbine type open face constructed.
  - e. Blower wheel shall be covered with wear resistant rubber for long life.
  - f. Blower shall be mounted on self-aligning anti-friction bearings, sealed and lubricated for life.  
Note: If bearings are not sealed and lubricated for life, then an automatic lube system must be furnished.
  - g. Blower housing shall be design with adjustable spring balance to ensure long seal life.
  - h. Blower shall be replaceable without having to remove blower housing from sweeper.
  - i. Blower shall not exceed 3000 RPM insuring a smooth, safe and efficient performance.

- j. The blower shall be inoperable during any portion of the dump sequence, including deployed stabilizers, opened dump door or raised/tilted hopper to prevent exposing personnel to a rotating blower and to eliminate flying debris.

#### 10. Pick-Up Head – Broom Assist –

- a. A spring balanced all steel fabricated pick-up head with maximum length and width of 87" x 41" I.D. shall be provided.
- b. The pick-up head shall have a separate upper and lower chamber where pressurized air is blasted from upper chamber through an elongated blast orifice to street surface.
- c. Blast orifice flange shall be stainless steel bolt-on design so that flange is easily replaced as well as have an adjustment mechanism with the intention that the blast orifice gap shall be easily adjusted without removing pick-up head from sweeper.
- d. Pick-up head shall have a minimum fourteen inch (14") diameter pressure inlet ring located on left side of pick-up head.
- e. A minimum fourteen inch (14") diameter pressure hose attached between pick-up head and blower housing shall be provided.
- f. A bolt-on pressure inlet ring with turning vanes shall be provided for efficient performance and easy service.
- g. A minimum twelve inch (12") diameter suction hose, attached to a disconnect transition at the hopper, shall extend down to the right side of the pick-up head and shall be attached to the pick-up head suction nozzle ring which shall be constructed of one-fourth inch (1/4") steel.
- h. Suction hose shall have a minimum three-eighths inch (3/8") wall construction for long life.
- i. Pick-up head shall be equipped with two inch (2") wide adjustable side mounted integral alloy steel and carbide runners for maximum pick up ability and long life. Skid runners to be warranted for 2 years/2,000 hours prorated. Runners shall be symmetrical for optimum life.
- j. Pressure inlet ring shall be equipped with an adjustable pressure relief for optimum leaf and light debris sweeping; control shall be mounted inside cab.
- k. A broom shall be mounted at the rear of the pick-up head and shall be fully enclosed.
- l. Control of broom rotation and positioning shall be accomplished by a single toggle switch located on the control console in the cab.
- m. Pick-up head lift cylinder shall be equipped with a pressure switch to automatically turn off the broom function when raising the pick-up head.
- n. The broom shall be driven hydraulically. A separate hydraulic circuit will be provided for all broom functions.

- o. The broom shall be approximately 79" long and 12" in diameter.
- p. Design of broom suspension shall provide automatic independent adjustment of each broom end to the surface being swept.
- q. Two (2) hydraulic cylinders shall be incorporated to provide positioning and the independent suspension of the broom ends.
- r. Reverse pick-up head system shall be furnished to allow unit to back up without damage to the pick-up head.

#### 11. Gutter Broom(s) –

- a. Dual gutter brooms shall have a minimum forty-three inch (43") diameter, wire filled vertical digger type for removing debris from gutter area
- b. Shall be variable speed.
- c. Shall be hydraulic motor driven.
- d. Gutter broom down pressure shall be automatically adjusted to load by a pressure sensing sequence valve inline with gutter broom torque motor.
- e. Each gutter broom shall have lateral flexibility to swing rearward when encountering the impact of an immovable object.
- f. Each gutter broom shall have a spring adjustment to allow downward compensation for bristle wear and shall be free floating to follow street contour.
- g. Each gutter broom shall be held in the up and transit position by use of an electric lock valve attachment. Upward motion of gutter broom shall be regulated by an adjustable flow control valve.
- h. Each gutter broom shall incorporate a hydraulically actuated tilt capability of twenty-seven degrees (27°), remotely controlled from the operator's seat to allow instant adjustment for debris removal from deep gutters.

#### 12. Dust Control Water System –

- a. Water tank shall have a minimum 250-gallon capacity and constructed of 100% rustproof materials. Tank shall be slide-in design for easy removal of any other major component.
- b. Water from tank to be filtered by 80 mesh cleanable filter located between tank and water pump. A water shutoff valve shall be provided near the filter to prevent water from draining while servicing the filter strainer.
- c. A pump delivering minimum of 3.5 GPM with a 1000 PSI system relief pressure and with an electronic solid state liquid level sensor to automatically shut off pump and turn on low water warning lamp when water is depleted.
- d. Hi/Low pressure wash down system with self-contained water supply; 50' high pressure, low volume wash down hose with automatic hose reel mounted on the right side of the unit, a wand with trigger control and two interchangeable lance lengths of 48" and 36" shall be furnished.
- e. High output water system shall be furnished with additional nozzles and deflectors strategically located to control extreme dust.

- f. Spray system shall include spray nozzles to be located as follows: minimum of 4 on outside of pick-up head; 2 for each gutter broom; 1 inside Hopper.
- g. Flexible 20-foot (minimum) long water fill hose with 2½ inch coupling for filling water reservoir and hose storage rack shall be provided. Water fill hose shall include a stainless 100 mesh cleanable filter.

13. Storage Compartment –

- a. A Storage compartment shall be fabricated of welded steel plate and have a total capacity of not less than 4.5 cubic feet and a lockable door.

14. Camera -

- a. A rear vision camera/color flat screen monitor system shall be mounted at the rear of the unit with the monitor mounted inside the truck cab and visible from each operator station.

15. Operating Controls –

- a. All operating controls for sweeper shall be mounted inside truck cab and readily accessible to the operator in either left or right driving position.
- b. All main electrical systems shall be operated via a multiplexing control system with LED diagnostics and integral solid-state circuit protection.
- c. A 12V DC fused power source panel for any needed additional electrical components or accessories (i.e. radios, warning lights, controls, etc.) shall be included.
- d. Auxiliary engine controls shall be mounted on console panel.
- e. A multi-function multiplex display shall be provided on the console panel to display engine conditions consisting of, but not limited to engine RPM, percent load, engine torque, engine hours, engine oil pressure, coolant temperature, battery voltage, fuel rate, engine fault codes and blower speed.
- f. Two-speed engine throttle control shall be automatically triggered by blower RPM switch from idle (1100 RPM) to operating (1800 RPM).
- g. Visual indicator lights shall be provided for, but not limited to, dust suppression water pump on, low water, discharge chute down, stabilizer down, and minimum dump height.
- h. Audible alarm shall sound to indicate the following conditions: auxiliary engine shutdown warning, brake not set or transmission not in neutral with stabilizers down or with discharge chute down.
- i. All external wiring, harnesses and terminations shall be of a sealed, weather-tight design utilizing heat-shrinkable components. Additionally, where feasible, all connectors shall utilize solid, cold-formed, nickel-plated copper alloy contacts with gas-tight crimps (Deutsch).

- j. Stabilizers shall automatically lower when the dump switch is engaged to raise the hopper. The stabilizers shall remain in the down position until the hopper is fully seated in the sweeping position.
- k. The blower shall not be operational during the dumping sequence to prevent exposing personnel to the blower wheel and eliminate flying debris.
- l. To assure safe operation, the dump sequence shall be inoperable when the blower is turning, the park brake is not set, or the truck transmission is not in neutral.

**PRICE SCHEDULE**

**ITEM 1 - 4 EACH - STREET SWEEPER, HIGH SIDE DUMP, TRUCK MOUNTED**

\$ 168,731.00 Price per Each \$ 674,924.00 TOTAL

SUGGEST STANDARD TUBELESS RADIAL TIRES: 11RX22.5, 14 PLY DEDUCT \$2,000.00 PER UNIT  
SUGGEST ADD AUTOMATIC HOSE REEL \$1200.00 UNIT

**LESS TRADE-IN UNITS:**

UNIT # 953	1998 WHITE INTERNATIONAL 4700	\$ 15,000.00
UNIT # 954	1998 WHITE INTERNATIONAL 4700	\$ 15,000.00
UNIT # 955	1998 WHITE INTERNATIONAL 4700	\$ 15,000.00
UNIT # 956	1998 WHITE INTERNATIONAL 4700	\$ 15,000.00
UNIT # 957	1998 WHITE INTERNATIONAL 4700	\$ 15,000.00
UNIT # 958	1998 WHITE INTERNATIONAL 4700	\$ 15,000.00
TOTAL LESS TRADE INS		\$ 90,000.00

**BIDDER MUST FILL IN THE FOLLOWING:**

A) MAKE & MODEL CAB & CHASSIS OFFERED:

INTERNATIONAL MODEL 4200

B) SPECIFIC MAKE & MODEL OF TRANSMISSION OFFERED:

ALLISON MODEL 2500 RDS

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

INTERNATIONAL MODEL VT365 DIESEL 200HP @ 2600RPM

D) SPECIFIC MAKE & MODEL OF BODY OFFERED:

TYMCO MODEL 500X REGENERATIVE AIR SWEEPER

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

(Deliveries beyond 180 days are unacceptable.)

NOTE: REFERENCE ITEM A.1. PAGE 12 OF 24 ENGINE PROVIDED MEETS SPECIFICATIONS BUT PRODUCES MINIMUM OF 520 LB. FT. OF TORQUE AS PER MANUFACTURER RECOMMENDATION.



# CITY OF SAN ANTONIO

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

## ADDENDUM I

SUBJECT: Formal Invitation for Bid – Street Sweepers (06-029) – dated December 12, 2005,  
scheduled to open December 30, 2005

FROM: Oswald Parker, Purchasing Manager, Purchasing & General Services

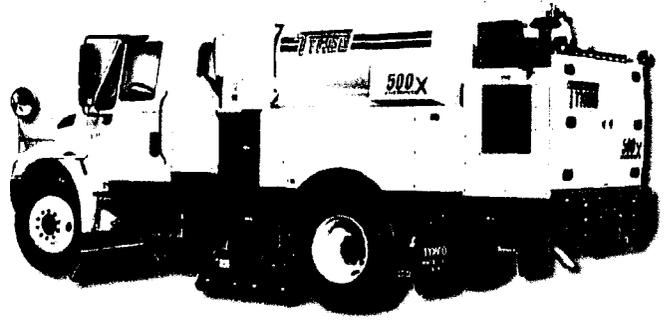
DATE: December 21, 2005

### **THE ABOVE MENTIONED BID IS HEREBY AMENDED AS FOLLOWS:**

Page 10, General Conditions, Paragraph 3 – Delivery, Sentence 7 & 8 Change to Read: “Delivery of all units will be no later than 180 days after issuance of Purchase Order. Delivery of units does not ensure acceptance by the City of San Antonio, after each unit has passed the requirements of the bid the 180 day clock will stop.”

Oswald Parker  
Purchasing Manager  
Purchasing & General Services

OP/tc



## GENERAL SPECIFICATIONS/ MODEL 500X™ HIGH SIDE DUMP REGENERATIVE AIR SWEEPER®

### SWEEPER AUXILIARY ENGINE, Electronic Control, Turbo Diesel

Make ..... John Deere, 4045T, 4 cyl. (Tier 2)  
Displacement ..... 276 cubic inches (4.5 L)  
Horsepower ..... 115 @ 2,500 rpm (86 kW)  
Net torque ..... 291 ft/lbs @ 1400 rpm (394 Nm)  
Air cleaner ..... Two stage, radial seal with safety element  
Oil Filter, spin on ..... Full flow

### BLOWER, Rubber Lined

Aluminum alloy high volume open face turbine  
Purpose ..... creates blast and suction  
Bearings ..... (2) sealed for life, self aligning  
Housing ..... Isolation mounted with abrasion resistant, replaceable liner  
Housing seal ..... Heavy rubber section, non-wiping, spring actuated Tilt-N-Seal™ design  
Drive ..... Fixed displacement heavy duty hydraulic motor

### DUST SEPARATOR

Type ..... Cylindrical, cyclonic, multipass, centrifugal separation  
Size ..... 28" x 48"  
Location ..... Inside hopper  
Particulate removal ..... Through skimmer slot into hopper  
Housing ..... Abrasion resistant, replaceable liner  
Inspection ..... Self opening, self emptying when hopper tilts

### HOPPER, Stainless Steel

Volumetric Capacity ..... 5.7 cubic yards (4.3m³)  
Useable Capacity ..... 4.0 cubic yards (3.06m³)  
Construction ..... Welded non-magnetic stainless steel plate with integral stiffeners  
Floor dump angle ..... 50°  
Dump door opening ..... 68" x 57" (158 cm x 129 cm)  
Dump door ..... Self locking  
Chute ..... 72" x 48" stainless steel lined  
Chute reach ..... 22" without side shift  
Dumping direction ..... Right side  
Lifting method ..... Two stage scissor lift, dual hydraulic cylinders with integral holding valves  
Lift capacity ..... 10,000 lbs  
Dump height ..... Variable  
Minimum ..... 2' from bottom of chute to ground  
Maximum ..... 11' from bottom of chute to ground  
Hopper screen ..... 2 piece stainless steel screen with access for cleaning top side  
Hopper drain system

### BROOM ASSIST PICK-UP HEAD (BAH®)

Function ..... Air blast and suction chamber with broom assist  
Width ..... 87" (2210 mm)  
Head area ..... 3567.0 square inches (2.3m²)  
Broom ..... 12" x 79"  
Location: Enclosed in rear of pick-up head  
Suspension ..... 4 springs 2 drag links  
Suction hose ..... 12" diameter (305 mm)  
Pressure hose ..... 14" diameter (356 mm)  
Skids ..... (DUO SKID®) Double wide, long-life carbide  
Pressure bleeder ..... Integral for leaf/light material pick-up.

### GUTTER BROOMS, Dual Patented

Standard equipment, includes floodlights and parabolic mirrors  
Drive ..... Variable speed non-reversible hydraulic motor  
Adjustment ..... Adjustable for down pressure, pattern and wear  
Down pressure ..... Automatically adjusts to requirement  
Flexibility ..... All directions, integral anti-damage "swing away" relief valve  
Brooms ..... 43" dia. (1.1 m) steel wire, vertical diggers  
Hydraulic tilt ..... Left & Right gutter brooms adjust for curb depth

### HYDRAULIC SYSTEM

Dual hydraulic pumps ..... Sweeper pump operates gutter brooms, pick-up head (BAH®), stabilizers, hopper lift, hopper dump, and hopper door. Blower pump hydrostatically drives blower  
Drive ..... Direct drive from auxiliary engine  
Blower pump ..... Heavy duty variable displacement piston pump  
Sweeper pump ..... Pressure compensated piston pump  
Blower pump flow ..... 45 GPM (170 LPM)  
Sweeper pump flow ..... 16 GPM (61 LPM)  
Reservoir ..... 30 Gal (110 L) dual mesh strainers  
Safety features ..... Low oil shut down  
Filters(2) ..... (1) 10 micron spin-on, in-line return, (1) cartridge, charge loop  
Vent Filter ..... (1) 10 micron spin-on  
Cooler ..... Air to Oil with thermostatically controlled electric fan

### DUST CONTROL SYSTEM

System of water spray nozzles for airborne dust suppression  
Pump ..... Electric diaphragm  
Reservoir ..... Stainless Steel or Polyethylene 250 gallon (946 L) with hydrant fill hose  
Filter ..... 80 mesh stainless steel, in-line  
Low water shut-off ..... Safety shut-off with low water warning light in cab  
Spray nozzles:  
Pick-up head ..... 4  
Gutter brooms (each) ..... 2  
Hopper inlet ..... 1

### CONTROLS

Inside cab: (lighted) pick-up head, left and right hand gutter broom tilt, gutter broom, ignition, blower speed control, low water warning system (dust control), all safety lights, dump controls, pressure bleeder, LCD multi-function display

Steering: Dual

### STANDARD EQUIPMENT

Auxiliary engine-diesel, automatic shutdown system, auxiliary hydraulic system, broom assist pick-up head (BAH®), dual steering, DUO-SKID®, dust control system, gutter brooms, right and left, includes floodlights and parabolic mirrors, gutter broom tilt adjuster-left and right, pressure bleeder, stainless steel hopper, severe weather wiring package, tymco decals/strips, water fill hose and storage area, storage compartment, hopper load indicator, hopper drain system

### STANDARD SAFETY EQUIPMENT

Solid state proximity switches, right and left side stabilizers (automatically engage when lifting hopper), blower actuation interlock, minimum dump interlock, stabilizer down warning system, alternating LED rear flashers, front mounted amber strobe light, alternating/flashing warning lights, back-up alarm, hopper load indicator, scissor lift safety props.

### OPTIONAL EQUIPMENT

Air Purge  
Auto Sweep Interrupt (ASI)  
DCVA  
Reverse Pick-Up Head Chains  
Hi/low pressure washdown system with CAT water pump  
Linear actuator (Pressure bleeder)  
Engine block heater  
Fuel/Water separator  
Drop down gutter broom  
Sweeper odometer  
Pick-up head hour meter  
High output water system  
Hydrant wrench  
Color (other than TYMCO standard white)

Special options are available for your individual requirements. Contact your local dealer or TYMCO

### CAB/CHASSIS

MODEL ..... International 4200  
GVW ..... 33,000 lbs. (14,982 kg)  
Axle capacity, rear ..... 23,000 lbs. (10,442 kg)  
Axle capacity, front ..... 10,000 lbs. (4,540 kg)  
Frame ..... 80,000 psi  
Engine ..... VT365 (6L) diesel engine, 200 HP @ 2600 RPM, 520 lb-ft torque @ 1400 RPM  
Transmission ..... Allison 2500 RDS  
Alternator ..... 110 amp  
Batteries ..... 12 v dual 1100 CCA  
Wheelbase ..... 152" (3861 mm)  
Fuel tank ..... 50 gallons, (189 L) shared with sweeper  
Tires ..... (2-front, 4-rear) Tubeless radial 11 R x 22.5, 14 ply  
Steering ..... Full power  
Brakes ..... Full air with 13.2 CFM air compressor  
Rear suspension ..... Hendrickson™ air suspension  
Instruments & lights ..... Full package as required

### GENERAL SWEEPING WIDTH

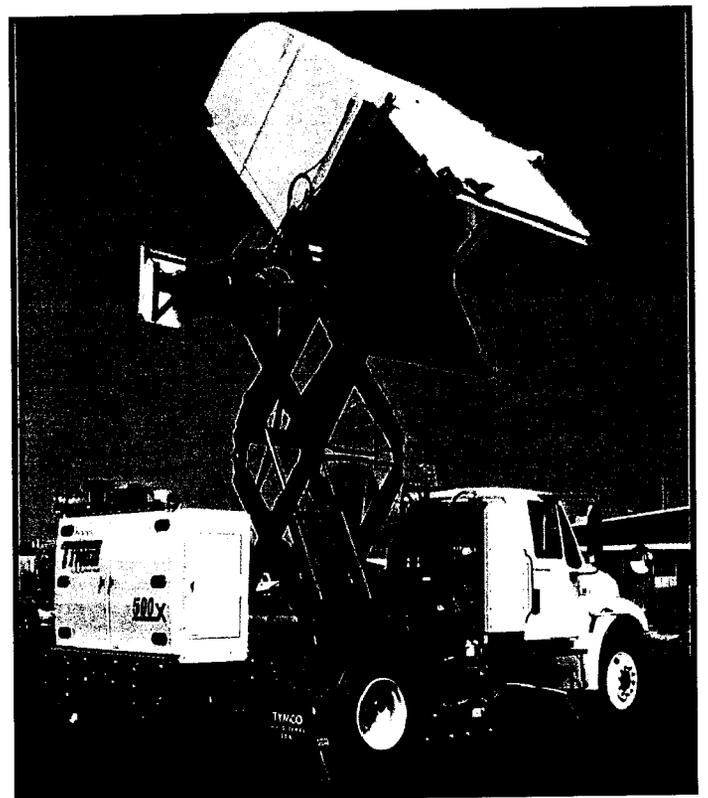
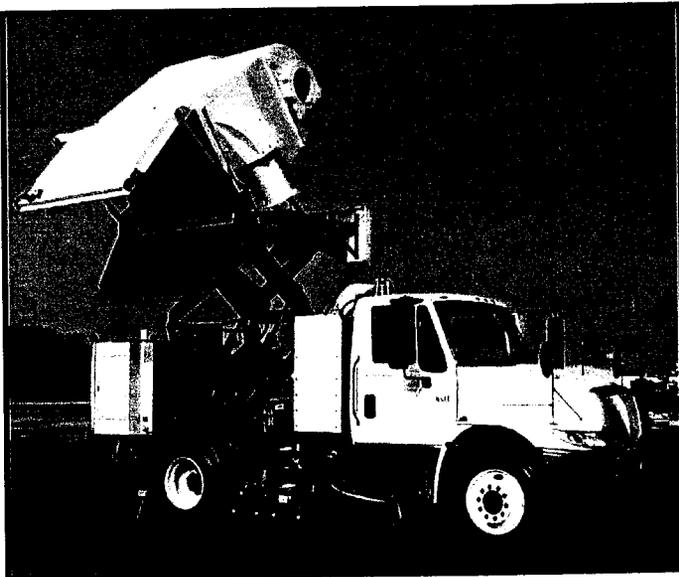
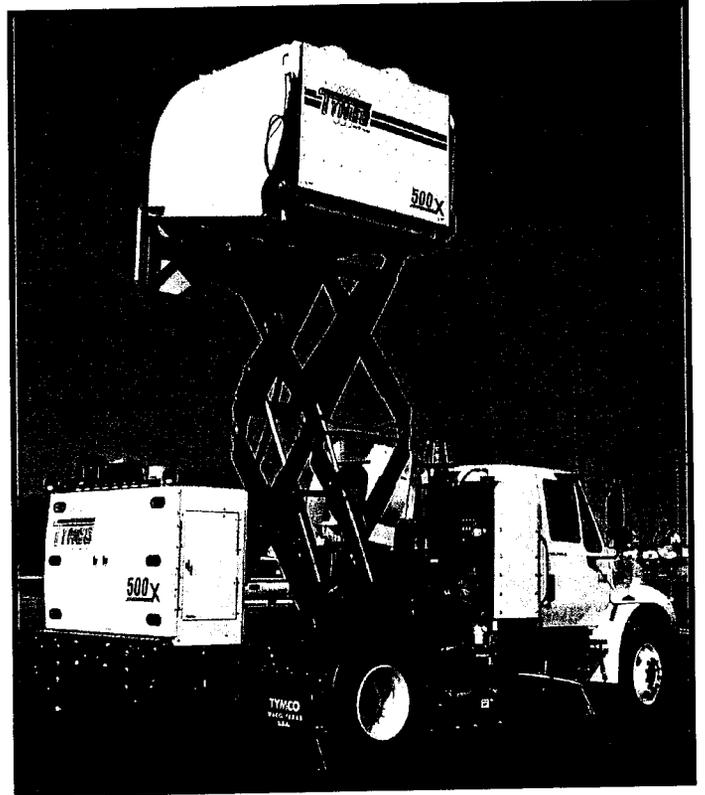
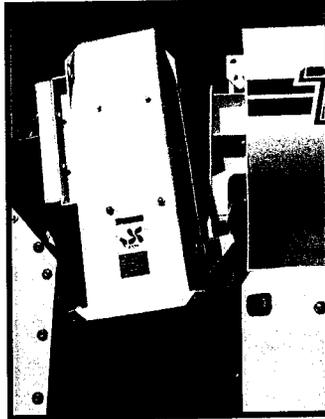
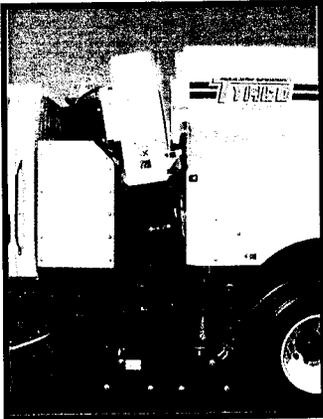
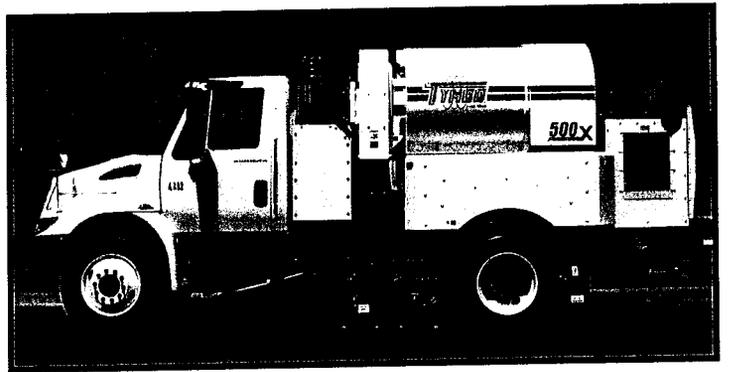
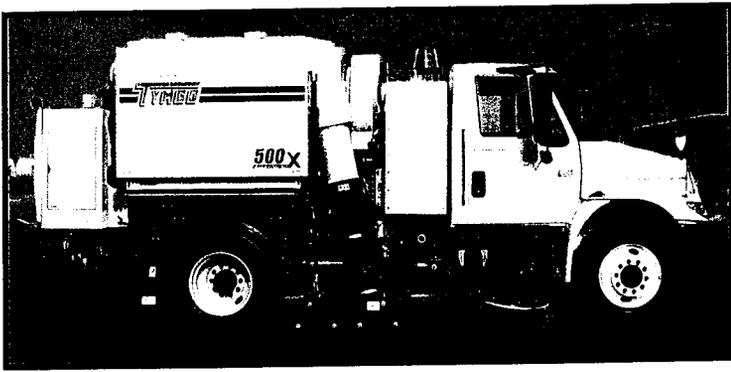
Pick-up head only ..... 87" (2210 mm)  
With 1 gutter broom ..... 110" (2794 mm)  
With 2 gutter brooms ..... up to 142" (3607 mm)

### OVERALL DIMENSIONS (Approximate)

Height ..... 112" (2845 mm)  
Width ..... 96" (2438 mm)  
\*Empty weight ..... 21,000 lbs. (9,534 kg)  
Length ..... 280" (7112 mm)  
Dump clearance height ..... 132" (11') (3353 mm)  
Overall height dumping ..... 262" (21'8") (6655 mm)

\*Weight will vary with equipment

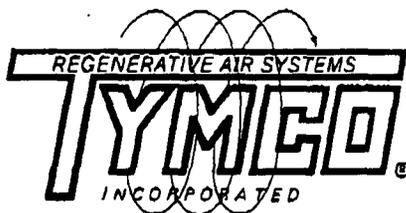
www.tymco.com  
1-800-258-9626



**INTERNATIONAL 4200  
STANDARD WARRANTY (12/13/04)**

<b>ITEMS COVERED:</b>	<b>MONTHS</b>	<b>MILES</b>	<b>PARTS/LABOR</b>
<b>BASIC VEHICLE COVERAGE</b>	24	Unlimited	100%
<b>Components</b>			
Batteries	12	Unlimited	100%
Brightwork, Chassis Paint & Corrosion (other than cab)	6	Unlimited	100%
Cab Paint	12	Unlimited	100%
Cab/Cowl Perforation Corrosion	60	Unlimited	100%
Cab/Cowl Structure	60	Unlimited	100%
Frame Side Rails	84	Unlimited	100%
<b>Drivetrain</b>			
Eaton/Fuller 6206/6306 Transmission	24	Unlimited	100%
Spicer Axles & Propshaft, Eaton Clutch, TTC Transmission - Allison 2500 RDS *	36	Unlimited	100%
<b>International Engine</b>			
VT365	36	150	100%

Allison transmission not administered by IH



## REGENERATIVE AIR SWEEPER WARRANTY

TYMCO REGENERATIVE AIR SWEEPERS are warranted to be free from defective materials and workmanship for a period of 12 months or 1,000 hours from date of delivery and such period being hereinafter referred to as "warranty period". It is the sole obligation of Seller with respect to this warranty period to replace free of charge, F.O.B. Waco, Texas, any part or parts which may prove to be defective due to defective workmanship or materials within the warranty period provided no disarrangement of using unauthorized parts or changes to the machinery be made voluntarily or by incompetency, carelessness, negligence, accident, or need of attention upon the part of purchaser, agents, employees or other parties. This warranty shall not cover normal maintenance and adjustments, and the same not include nor shall Seller be liable or responsible for material for normal wear and usage for any damages by reason of loss of production, down time or loss of profits or income arising from any reason whatsoever. Seller reserves the right to change the design and construction of said sweeper when in its sole opinion any such change represents an improvement of the sweeper. All outside purchased equipment and accessories are guaranteed only to the extent that the manufacturer's guarantee may apply and are not subject to this warranty nor to any implied warranty.

This warranty is in lieu of all other warranties, expressed or implied. No person is authorized to give any other warranties or to assume any other liability on the Company's behalf unless made in writing by the Company, and no person is authorized to give any warranties or to assume any liabilities on the Seller's behalf unless made in writing by the Seller.