THE CITY OF SAN DIEGO

REPORT TO THE CITY COUNCIL

DATE ISSUED: August 16, 2011 REPORT NO: 11-116

ATTENTION: Natural Resources and Culture Committee

SUBJECT: Award of As-Needed Contract for Automated Side-Loading Refuse Packers and Authorization to Purchase Replacement Packers

REFERENCE: Furnish the City of San Diego with Automated Refuse Packers: Bid No. 10008789-11-E

REQUESTED ACTION:

1. Award an as-needed contract to Los Angeles Truck Center dba San Diego Freightliner for the purchase of Automated Side-Loading Refuse Packers for the recycling and refuse collection fleets, in accordance with Bid No. 10008789-11-E, for one year with options to renew the contract for four additional one-year periods. The estimated cost per Refuse Packer is $248,000, inclusive of all vehicle safety cameras, two way radios, sales taxes and tire taxes.
2. Authorize the expenditure of funds for the purchase of Automated Side-Loading Refuse Packers as needed and as funds become available in accordance with Fleet Services' Annual Motive Acquisition Plan approved by Council within the Public Works Department annual budget process and contingent on the Comptroller's certification of funding availability.
3. Authorize the Mayor to exercise one or more options to extend the agreement in accordance with its terms, and authorize the expenditure of funds for as-needed packer purchases in amounts not to exceed the budgeted amounts approved by Council and contingent on the Comptroller's certification of funding availability.

STAFF RECOMMENDATION:

Approve the requested actions.

SUMMARY:

The City collects and transports refuse, curbside recyclables, and yard waste by means of refuse and recycling packers which then deliver them to landfills or recycling centers throughout the San Diego area. Each collection vehicle is driven about 28,000 miles a year on both City streets

and off-road at the landfill. The typical useful life of a heavy duty refuse or recycling collection vehicle is 7 years, depending on its duty cycle and the amount of on/off-road usage.

The City issued a Request for Bid (RFB) on March 23, 2011. Twenty-four potential bidders were contacted. The vendors invited to bid included both current and prior providers of heavy vehicles to the City. The RFB was also advertised on the City Purchasing & Contracting website and in the San Diego Daily Transcript. Nine bids were received from five vendors on May 9, 2011. Los Angeles Truck Center dba San Diego Freightliner proposed a cab, chassis, and engine that fully meets the City's specifications at the lowest price.

The Public Works Department and the Environmental Services Department recommend the award of the contract for the purchase of Automated Side-Loading Refuse Packers for the recycling and refuse collection fleets to Los Angeles Truck Center dba San Diego Freightliner, as the bidder whose bid best meets City requirements and gains the best economic advantage to the City, for an estimated per unit cost of $248,000. This cost is inclusive of all vehicle safety cameras, two way radios, sales taxes and tire taxes. Terms are net thirty (30) days, as may be required, for a period of one (1) year, with options to renew the contract for four (4) additional one (1) year periods, with price escalation not to exceed twelve (12%) of prices in effect at the end of each prior contract year.

City Council approval is required to award a contract for goods in excess of $1 million. The Environmental Services Department anticipates ordering 40 - 65 replacement vehicles during the potential five-year life of the contract, to be funded through vehicle replacement funds in accordance with Fleet Services' Annual Motive Acquisition Plan as approved by Council within the Public Works Department's annual budget.

FISCAL CONSIDERATIONS:

ESD anticipates acquiring at least two (2) side-loading refuse packers for the trash collection fleet during the first year of the contract with funds in the Fleet Services vehicle replacement sub-fund (# 720011) for an estimated total expenditure of $496,000 for the two refuse packers. Additional refuse packers for both the trash and recycling fleets will be acquired on an as-needed basis and as funds become available.

Subcontractor Participation

AMREP, Inc. is the primary subcontractor providing AMREP HX450FL automated side-loader refuse packer bodies, an estimated 37% of the completed refuse packer's cost. Trans-Data Scales, Intec Video, heavy duty service laptop, and Motorola Digital radio subcontractors provide an estimated 4% of the completed refuse packer's cost.

PREVIOUS COUNCIL and/or COMMITTEE ACTION:

Vehicle replacements, in compliance with the replacement schedule, are predicated upon Fleet Services' Annual Motive Acquisition Plan as approved by Council within the General Services Department's annual budget.

COMMUNITY PARTICIPATION AND PUBLIC OUTREACH EFFORTS:

Twenty-four potential bidders were contacted. Nine bids were received from five vendors on May 9, 2011.

KEY STAKEHOLDERS AND PROJECTED IMPACTS:

Refuse and recycling collection vehicles service eligible residences in all City Council districts in the City of San Diego.

Chris Gonaver
Environmental Services Director

Jay M. Goldstone
Chief Operating Officer

CG: MV: cs

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AGREEMENT BETWEEN THE CITY OF SAN DIEGO
AND LOS ANGELES TRUCK CENTER LLC DBA SAN DIEGO FREIGHTLINER
FOR AS-NEEDED PURCHASES OF AUTOMATED SIDE-LOADING REFUSE PACKERS

This Agreement is entered into by and between the City of San Diego, a municipal corporation, (City) and Los Angeles Truck Center LLC doing business as San Diego Freightliner (LATC), with offices located at 6006 Miramar Road, San Diego, California 92121, individually referred to as "Party" and collectively as "Parties."

RECITALS

WHEREAS, from time-to-time, the City requires new automated side-loading refuse packers to replace its existing trash and recycling vehicle fleet;

WHEREAS, the City issued Request for Bid No. 10008789-11-E for automated side-loading refuse packers, a true and correct copy of which is attached hereto as Exhibit "A;"

WHEREAS, except as otherwise specified, the City's Request for Bid No. 10008789-11-E also incorporates the City's General Provisions for Bids Dated January 3, 2005 (General Provisions), a true and correct copy of which is attached hereto as Exhibit "B;"

WHEREAS, LATC submitted a bid in response to Request for Bid No. 10008789-11-E (Bid), a true and correct copy of which is attached hereto as Exhibit "C," which the City has accepted, subject to City Council approval; and

WHEREAS, the City and LATC desire to enter into this Agreement for LATC to provide automated side-loading refuse packers, as needed, in accordance with Request for Bid No. 10008789-11-E;

NOW, THEREFORE, in consideration of the above recitals and the terms, provisions, conditions, and obligations expressed herein, the City and LATC agree as follows:

AGREEMENT

A. Documents Comprising Agreement. This Agreement consists of this document and all the documents listed below, which are attached hereto as Exhibits A-C and incorporated in full herein, and which together contain all the terms and conditions of this Agreement.

1. The City's Request for Bid No. 10008789-11-E (Exhibit "A");
2. The City's General Provisions for Bids Dated January 3, 2005 (Exhibit "B");
3. LATC's Bid in response to Request for Bid No. 10008789-11-E (Exhibit "C"); and

This Agreement including all the Exhibits incorporated into this Agreement constitutes the entire understanding between the City and LATC with respect to the subject matter and transactions contemplated by this Agreement. This Agreement including all the Exhibits incorporated into this Agreement supersedes any and all prior agreements, understandings,

promises, or inducements with respect to the subject matter and transactions contemplated by this Agreement.

B. Precedence of Documents. In the event of a conflict between the terms and conditions of this Agreement and/or its Exhibits, the conflict shall be resolved according to the following order of precedence of documents. The terms and conditions of a document with a lower number shall prevail over conflicting terms and conditions of a document with a higher number:

1. This Agreement;
2. The City's Request for Bid No. 10008789-11-E (Exhibit "A");
3. The City's General Provisions for Bids Dated January 3, 2005 (Exhibit "B"); and
4. LATC's Bid in response to Request for Bid No. 10008789-11-E (Exhibit "C").

D. Term of Agreement. The Term of this Agreement shall be for one year, beginning on the date it is executed by the last party to sign it.

C. Compensation. The City will compensate LATC for refuse packers furnished in accordance with this Agreement under the terms and conditions specified in the Agreement. The total compensation to be paid to LATC for each refuse packer furnished in accordance with this Agreement shall not exceed the total Unit Cost specified in LATC's Bid in response to Request for Bid No. 10008789-11-E, Article I Pricing Page, Sections 1-4, including applicable taxes, if any. The City shall make payment to LATC for refuse packers furnished in accordance with this Agreement in the manner described in the General Provisions Section H. General Contractual Obligations, Subsection 7. Invoices.

E. Funding. LATC acknowledges that the Term of this Agreement extends over multiple City fiscal years, and LATC understands and agrees that work and compensation under this Agreement is contingent on the City Council appropriating funding for and authorizing such work and compensation for those fiscal years. In the event sufficient funds are not duly appropriated and authorized for any given fiscal year, this Agreement may be terminated at the end of the fiscal year for which funding was appropriated and authorized. The City is not obligated to pay LATC for any amounts not duly appropriated and authorized by the City Council.

F. Option to Renew. The City reserves the option to renew this Agreement for up to four additional one-year periods under the terms and conditions stated in the Agreement as more fully described in Request for Bid No. 10008789-11-E, Section II. Specific Provisions, Subsection H. Option to Renew.

G. Incorporation of Exhibits. All exhibits referenced herein are considered to be part of this Agreement and are incorporated in full herein by this reference.

IN WITNESS WHEREOF, the City and LATC each have caused their duly authorized representatives to execute this Agreement.

Los Angeles Truck Center LLC
doing business as San Diego Freightliner

By: _____

Name: James "Conan" Baxter

Title: President

Date: 8-23-11

City of San Diego,
a Municipal Corporation

By: _____
Hildred Pepper
Director, Purchasing & Contracting

Date: _____

I HEREBY APPROVE the form and legality of the foregoing Agreement between the City of San Diego and Los Angeles Truck Center LLC doing business as San Diego Freightliner, this _____ day of _____, 2011.

JAN GOLDSMITH, City Attorney

By: _____
Grace C. Lowenberg
Deputy City Attorney

CITY OF SAN DIEGO

PURCHASING & CONTRACTING DEPT.
1200 Third Avenue, Suite 200
San Diego, CA 92101-4195

Bid No. 10008789-11-E

REQUEST FOR BID

ADDENDUM B

Closing Date: May 9, 2011 @ 3:00 pm P.T.

Subject: Furnish the City of San Diego with Automated Refuse Packers

Timeline: As may be required for a period of one (1) year from date of award, with options to renew for four (4) additional one (1) year periods, in accordance with the attached specifications.

Note: Mandatory Pre-Bid Conference – See Page 6 for Details.

Company _____

Federal Tax I.D. No. _____

Street Address _____

City _____

State _____ Zip Code _____

Tel. No. _____ Fax No. _____

E-Mail _____

If your firm is not located in California, are you authorized to collect California sales tax? _____ Yes _____ No

If Yes, under what Permit # _____

City of San Diego Business Tax Certificate #: _____

Name _____
[PRINT OR TYPE]

Signature* _____

Title _____

Date _____

*_Authorized Signature_: *The signer declares under penalty of perjury that she/he is authorized to sign this document and bind the company or organization to the terms of this agreement.*

SUBMITTED BIDS MUST HAVE AN ORIGINAL SIGNATURE.

The City's Standard Payment Terms are Net 30 Days. However the City will accept the following payment terms and they will be considered for bid evaluation:

1% 20 days____. 2% 20 days____, 3% 20 days____, 4% 20 days____, 5% 20 days____, 10% 20 days____, 15% 20 days____, 20% 20 days____.

Please check terms offered if other than Net 30 Days

State delivery time required: _____ days after receipt of order.

FOR CONSIDERATION AS A RESPONSIVE BID, THE FOLLOWING IS REQUIRED:

1) **Bid must be submitted on official City bid forms.**
2) **All information on this Request for Bid cover page must be completed.**
3) **This cover page must be signed with an original signature.**
4) **All bidders must complete and submit the Vendor Registration Form with their bid.**
5) **Bid must be submitted on or before the exact closing date and time. Bid received after the exact closing date and time will NOT be considered. If hand delivering, please allow enough time for travel and parking to submit by the closing date and time.**

FOR FURTHER INFORMATION CONCERNING THIS BID, PLEASE CONTACT:

BEVERLY ASBILL-GUMBS/ylk, Procurement Specialist

Phone: (619) 236-5923 Fax: (619) 533-3225 Email: BAsbillGumbs@sandiego.gov

EXHIBIT "A"

TABLE OF CONTENTS

I. Pricing Page

A. Section 1 – Automated Refuse Packers 4
B. Section 2 – Camera System for Front Loading Refuse Packers 5
C. Section 3 - Laptop Computer and Diagnostic Tools 5

II. Specific Provisions

A. Mandatory Pre-bid Conference 6
B. Questions and Comments 6
C. Pricing 6
D. Award 6
E. Award Evaluation 6
F. Ordering 7
G. Submittals 7
H. Option to Renew 8
I. Price Adjustment Clause for Option Renewal 9
J. Insurance Requirements 9
K. Warranty Bond 11
L. Liquidated Damages 12
M. Equals Clause 12
N. Quantities 13
O. Recycled Material Content 13
P. References/Qualifications 13
Q. General Provisions 13
R. Small Emerging Local Business Program 14
S. Business Tax Certificate 14
T. Contractor Standards 14
U. Equal Benefits 15

III. General Requirements

A. Pre-Production Meeting 16
B. Vehicle/Equipment Registration and License Plates 16
C. Delivery 17
D. Equipment and Vehicle Financing Program 17
E. Warranty 17
F. Optional Extended Refuse Body Warranty 18
G. Parts Stipulation 19
H. Keys 20
I. Equipment Specification Brochure 20
J. Equipment Specifications Checklist 20
K. Equipment Demonstration 20
L. Labels 21
M. Code Compliance 21

TABLE OF CONTENTS *(Cont.)*

N. Engine Emissions Requirements 21
O. Changes in Emissions Requirements 21
P. Federal Excise Tax 21
Q. Performance Summary 21
R. Manufacturers Certified Training Classes 21
S. Approval Drawing 22
T. Performance Tests and Requirements 22
U. Failure to Meet Tests and Requirements 22
V. Manuals and Technical Information 23
W. Video/CD-R Training Guides 23
X. Component Substitution and Mounting Stipulation 23

IV. Specifications and Checklist For Automated Refuse Packers

A. General 24
B. General Cab and Chassis 34
C. Special Requirements 38
D. Automated Refuse Packer Body 40
E. Laptop Computer and Diagnostic System 55

Forms

Bidder's References 56
Bidder's Statement of Subcontractors 58
Warranty Acknowledgement Form 59
Bidder's Statement of Financial Responsibility 60
Contractor/Vendor Registration 61
Work Force Report 64
Contractor Standards Pledge of Compliance 70
Equal Benefits Ordinance 75

Attachment

Attachment A – Equipment and Vehicle Financing Program 76
Attachment B – Ground Reaction and Specification Chart 80

I. PRICING PAGE

A. SECTION 1 – AUTOMATED REFUSE PACKERS

Est. Annual Qty.	U/M	Description	Unit Cost	Extension
20	EA	Automated Refuse Packer (as specified in Sections IV). Delivery Time: _____ Calendar Days ARO. Cab and Chassis Manufacturer: _____ Model: _____ Engine Manufacturer: _____ Model: _____ Transmission Manufacturer: _____ Model: _____ Body/Arm Manufacturer: _____ Model: _____ Warranty Period: Cab/Chassis _____ Engine _____ Transmission _____ Packer Body _____ Packer Hydraulic Pump _____ Packer Hydraulic Cylinder _____ Packer Hydraulic Hoses _____ The following is for information only and will not be included in the award evaluation: Pricing for optional incremental six (6) year Refuse Body Warranty (as specified in Section III, paragraph F): $_____	$	$

B. SECTION 2 – CAMERA SYSTEM FOR AUTOMATED REFUSE PACKERS

Est. Annual Qty.	U/M	Description	Unit Cost	Extension
20	EA	Color Camera System, including installation (as specified in Section IV, paragraph D, item 15). Camera Manufacturer: _____ Model: _____ Co-axial Cable Manufacturer: _____ Model: _____ Monitor Manufacturer: _____ Model: _____ Swivel Mounting Bracket Manufacturer: _____ Model: _____ Warranty Period: _____	$	$

C. SECTION 3 - LAPTOP COMPUTER AND DIAGNOSTIC TOOLS

Est. Annual Qty.	U/M	Description	Unit Cost	Extension
1	EA	Cost to provide Laptop Computer and diagnostic Tools (as specified in Section IV, paragraph E). Manufacturer: _____ Model: _____ Warranty Period: _____	$	$

D. SECTION 4 – DIGITAL MOBILE RADIO SYSTEM

Est. Annual Qty.	**U/M**	**Description**	**Unit Cost**	**Extension**
1	EA	**Cost to provide Digital Mobile Radio System (as specified in Section IV, paragraph 3.a).** **Manufacturer:** _____ **Model:** _____ **Warranty Period:** _____	$	$

TOTAL SECTIONS 1 - 4: $_____

II. SPECIFIC PROVISIONS

A. MANDATORY PRE-BID CONFERENCE

All Bidders must attend the pre-bid conference of the proposed maintenance sites. The pre-bid conference will be held at City of San Diego Purchasing & Contracting Department, Large Conference Room located at 1200 Third Avenue, Suite 200, San Diego CA 92101-4195 on November 15, 2010 at 10:00 AM.

Bids will not be accepted from Bidders who do not attend the mandatory pre-bid conference, nor from Bidders who arrive after the pre-bid conference has started. For further information contact Beverly Asbill-Gumbs at (619) 236-5923. Allow one (1) hour for the pre-bid conference.

B. QUESTIONS AND COMMENTS

Questions and comments regarding this bid must be submitted in writing to City of San Diego, Purchasing & Contracting Department, ATTN: Beverly Asbill-Gumbs, 1200 Third Avenue, Suite 200, San Diego, CA 92101; or by fax to (619) 533-3225; or by e-mail to BAsbillGumbs@sandiego.gov, no later than 5:00 p.m. on Tuesday, November 16, 2010.

C. PRICING

Prices quoted shall include all delivery charges, and shall be FOB Destination to the delivery point: (Attn: Motive Equipment Engineer, Fleet Services)

General Services, Fleet Services
2740 Caminito Chollas
San Diego, CA 92105-5039

D. AWARD

This bid shall be awarded on an item by item basis, or in any group or combination of items, or as a lot, to the most responsive and responsible Bidder whose bid best conforms to the Request for Bid (RFB) and is most advantageous to the City of San Diego ("City"), as may be in the best interest of the City, all factors considered (as specified in Section II, paragraph E).

E. AWARD EVALUATION

Evaluating criteria will include, but are not limited to the following:

1. Total vehicle cost.
2. Ability to meet all bid specifications as designated.
3. Warranty.
4. Previous experience providing similar vehicles to local governments.
5. Ability to meet vehicle delivery schedule.

F. ORDERING

- Pricing Page - Sections 1 and 2

  The City anticipates that orders will be placed throughout the contract period and the estimated total quantities are based on past experience. The City reserves the right to order all of one (1) type of refuse packer or any combination of the types, as may be in its best interest.

G. SUBMITTALS

1. BID SUBMITTAL

   Bids must be returned in a sealed envelope to the Purchasing & Contracting Department, 1200 Third Avenue, Suite 200, San Diego, CA 92101. The bid number and closing date/time must be referenced on the outside of the envelope (lower left corner). Bids must be received by the Purchasing & Contracting Department Reception Desk prior to bid closing at 3:00 p.m. on bid closing date. Faxed bids will not be accepted.

   The original and two (2) copies of bid, including any attachments, shall be submitted.

2. SUBMITTALS REQUIRED WITH BID

   Failure to provide the required submittals with the bid shall be cause for the bid to be rejected as non-responsive.

   a. Bidder's References (as specified in Section II, paragraph P).
   b. Bidder's Statement of Subcontractors (as specified in Section II, paragraph P).
   c. Bidder's Statement of Financial Responsibility (as specified on Section II, paragraph P).
   d. Contractor Standards Pledge of Compliance (as specified in Section II, paragraph T).
   e. Warranty Acknowledgement Form (as specified in Section III, paragraph E).
   f. Copy of Manufacturer's Warranty for all equipment (as specified in Section III, paragraph E).
   g. Copy of Extended Warranty if applicable (as specified in Section III, paragraph F).
   h. Equipment Specification Brochure (as specified in Section III, paragraph I).
   i. Equipment Specifications Checklist (as specified in Section III, paragraph J).
   j. NOX and Particulate Matter Standards (as specified in Section III, paragraph N).
   k. Performance SCAAN Summary (as specified in Section III, paragraph Q).
   l. Contractor/Vendor Registration (use form in Forms page).
   m. Ground Reaction and Specifications Chart. (use form in Attachment Section)
   n. Equal Benefit Form (use form in Forms page).

3. SUBMITTALS REQUIRED UPON PROVISIONAL AWARD

Failure to provide the following documentation within the time period specified may be cause for the provisional award to be voided and the bid to be rejected as non-responsive.

a. Insurance and Bond Requirements as specified in City of San Diego General Provisions, Section II, paragraph J, if not currently on file.

b. Taxpayer Identification Number (W-9) as specified in City of San Diego General Provisions, Section C, paragraph 15, if not currently on file.

c. Business Tax Certificate as specified in Section II, paragraph S, if not currently on file.

d. Work Force Report (use form in Forms page).

H. OPTION TO RENEW

The City reserves the option to renew the contract for four (4) additional one (1) year periods under the terms and conditions of the current contract beginning on the anniversary of the commencement of contract. The renewal is contingent on a mutual agreement between the City and the Contractor with such agreement to be confirmed sixty (60) days prior to the expiration of the contract period. Either the City or the Contractor may decline to confirm the renewal of the contract for any reason whatsoever, which shall render the renewal option null and void.

The City's initial letter offering the Bidder an opportunity to renew the contract does not constitute an award of the option period. Any option acceptance must be confirmed by the City, in writing, before it becomes valid.

Bidder shall indicate the maximum percentage increase to which the prices in effect at the end of the current contract year would be subject if the renewal options were exercised. _____%

Failure to submit or complete the price increase section above will be construed to mean that prices bid will not be increased during any option period. The City will not grant an option, if the Contractor requests a price increase which exceeds above stated percentage. If a price increase is requested, the Contractor must provide detailed supporting documentation to justify the requested increase. The requested increase will be evaluated by the City, and the City reserves the right to accept or reject such request.

This section will not be considered in the evaluation for award.

The City may also desire to extend a contract on a month-to-month basis upon expiration of the current contract period under the terms and conditions of the current contract unless modified in writing. The renewal is contingent on a mutual agreement between the City and the Contractor with such agreement to be confirmed in writing prior to the expiration of the contract period.

I. PRICE ADJUSTMENT CLAUSE FOR OPTION RENEWAL

In the event the Contractor does not request a price increase at the time of the contract renewal, and the Manufacturer subsequently announces a general increase in the price of their products, the Contractor may request an increase at that time. The Contractor must provide detailed supporting documentation from the Manufacturer to support the requested increase. The requested increase shall not exceed the percentage increase indicated in the "Option to Renew" clause.

J. INSURANCE REQUIREMENTS

Insurance. The winning Bidder/Proposer shall not begin any work under the Contract resulting from this solicitation until it has: (a) obtained, and upon the City's request provided to the City, insurance certificates reflecting evidence of all insurance required in below; however, the City reserves the right to request, and the Consultant shall submit, copies of any policy upon reasonable request by the City; (b) obtained City approval of each insurance company or companies; and (c) confirmed that all policies contain the specific provisions required below. Bidder/Proposer's liabilities, including but not limited to Bidder/Proposer's indemnity obligations, under the Contract resulting from this solicitation, shall not be deemed limited in any way to the insurance coverage required herein. Maintenance of specified insurance coverage is a material element of the Contract resulting from this solicitation and Bidder/Proposer's failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract resulting from this solicitation may be treated as a material breach of contract by the City. The Bidder/Proposer shall not modify any policy or endorsement thereto which increases the City's exposure to loss for the duration of the Contract resulting from this solicitation.

Deductibles. All deductibles on any policy shall be the responsibility of the Bidder/Proposer and shall be disclosed to the City at the time the evidence of insurance is provided.

Acceptability of Insurers. Except for the State Compensation Insurance Fund, all insurance required by the Contract resulting from this solicitation or in the Special General Conditions shall only be carried by insurance companies with a rating of at least "A-, VI" by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State of California, and that have been approved by the City.

The City will accept insurance provided by non-admitted, "surplus lines" carriers only if the carrier is authorized to do business in the State of California and is included on the List of Eligible Surplus Lines Insurers (LESLI list). All policies of insurance carried by non-admitted carriers are subject to all of the requirements for policies of insurance provided by admitted carriers described herein.

Reservation of Rights. The City reserves the right, from time to time, to review the Bidder/Proposer's insurance coverage, limits, deductible and self-insured retentions to determine if they are acceptable to the City. The City will reimburse the Bidder/Proposer for the cost of the additional premium for any coverage requested by the City in excess of that required by the Contract resulting from this solicitation without overhead, profit, or any other markup.

Additional Insurance. The Bidder/Proposer may obtain additional insurance not required by the Contract resulting from this solicitation.

Excess Insurance. All policies providing excess coverage to the City shall follow the form of the primary policy or policies including but not limited to all endorsements.

Types of Insurance. At all times during the term of the Contract resulting from this solicitation, the Bidder/Proposer shall maintain insurance coverage as follows:

1. **Commercial General Liability.** Commercial General Liability (CGL) Insurance written on an ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad which shall cover liability arising from any and all personal injury or property damage in the amount of $1,000,000.00 (one million) per occurrence and subject to an annual aggregate of $2,000,000.00 (two million). There shall be no endorsement or modification of the CGL limiting the scope of coverage for either insured vs. insured claims or contractual liability. All defense costs shall be outside the limits of the policy.

   Required Endorsements. The following endorsements to the policies of insurance are required to be provided to the City before any work is initiated under the Contract resulting from this solicitation.

   Commercial General Liability Insurance Endorsements

   ADDITIONAL INSURED. To the fullest extent allowed by law including but not limited to California Insurance Code Section 11580.04, the policy or policies must be endorsed to include as an Insured the City of San Diego and its respective elected officials, officers, employees, agents and representatives with respect to liability arising out of (a) ongoing operations performed by you or on your behalf, (b) your products, (c) your work, including but not limited to your completed operations performed by you or on your behalf, or (d) premises owned, leased, controlled or used by you.

   PRIMARY AND NON-CONTRIBUTORY COVERAGE. The policy or policies must be endorsed to provide that the insurance afforded by the Commercial General Liability policy or policies is primary to any insurance or self-insurance of the City of San Diego and its elected officials, officers, employees, agents and representatives as respects operations of the Named Insured. Any insurance maintained by the City of San Diego and its elected officials, officers, employees, agents and representatives shall be in excess of Bidder/Proposer's insurance and shall not contribute to it.

SEVERABILITY OF INTEREST. The policy or policies must be endorsed to provide that the Bidder/Proposer's insurance shall apply separately to each insured against whom claim is made or suit is bought, except with respect to the limits of the insurer's liability and shall provide cross-liability coverage.

2. **Workers' Compensation.** For all of the Bidder/Proposer's employees who are subject to the Contract resulting from this solicitation and to the extent required by the applicable state or federal law, the Bidder/Proposer shall keep in full force and effect, a Workers' Compensation policy. That policy shall provide a minimum of $1,000,000.00 (one million) of employers' liability coverage, and the Bidder/Proposer shall provide an endorsement that the insurer waives the right of subrogation against the City and its respective elected officials, officers, employees, agents and representatives.

   Required Endorsements. The following endorsements to the policies of insurance are required to be provided to the City before any work is initiated under the Contract resulting from this solicitation.

   Worker's Compensation and Employer's Liability Insurance Endorsements

   WAIVER OF SUBROGATION. The Worker's Compensation policy or policies must be endorsed to provide that the insurer will waive all rights of subrogation against the City and its respective elected officials, officers, employees, agents and representatives for losses paid under the terms of this policy or these policies which arise from work performed by the Named Insured for the City.

K. WARRANTY BOND

A Warranty Bond shall be submitted by the successful Bidder, upon receipt of an order, in an amount equal to ten percent (10%) of the total award, and shall remain in full force and effect for a minimum period of one (1) year after date each unit is placed into active service or for the total length of warranty provided, whichever is greater. This bond shall be for the purpose of bringing up to specifications any deficiencies the manufacturer fails to repair or correct per these specifications and also to insure prompt compliance with any and all aspects of the guarantee. If within this period any repairs or replacements in connection with the equipment are, in the opinion of the City of San Diego, deemed necessary as a result of the manufacturer's use of inferior or defective materials, equipment or workmanship, the manufacturer shall, upon receipt of notice and without any expense to the City of San Diego, take action to properly repair, replace, or correct any and all such defects therein. If the manufacturer, after such notice, fails within forty-eight (48) hours of notification, to proceed with the terms of this warranty and guarantee, the City of San Diego may move to effect the necessary corrections, repairs, and replacements and recover all expenses from the manufacturer. Forfeiture of the Warranty Bond will result should the manufacturer fail to pay for these expenses.

L. LIQUIDATED DAMAGES

Time is of the essence, and should delivery not be completed on or before the time stipulated, it is mutually agreed and understood by and between the successful Bidder and the City of San Diego that:

A delay would affect the public and the operation of the City of San Diego; that a reduction in the unit price of one thousand dollars ($1,000.00) per calendar day for each and every day for each unit which exceeds the delivery time set forth in the contract is the nearest measure of damages for such delay that can be fixed at this time; therefore, the City and the successful Bidder hereby establish said reduction in the unit price of one thousand dollars ($1,000.00) per calendar day for each and every day of delay for each unit as liquidated damages and not as a penalty or forfeiture for the breach of agreement to complete delivery by the successful Bidder on or before the time specified in the contract.

Liquidated damages shall not apply to time elapsing between date of delivery and date of notification to the successful Bidder of rejection of sub-specification material.

The above conditions may be invoked if deliveries exceed the specified time or if replacement of material not meeting specifications exceeds the specified time.

Should the Contractor be obstructed or delayed in the work required to be done hereunder by changes in the work or by default, act, or omission of the City, or by strikes, fire, act of God, or by the inability to obtain materials, equipment, or labor due to Federal Government restrictions arising out of the defense or war program, then the time of completion shall be extended for such period as may be agreed. Should there be insufficient time to grant such extensions prior to completion date of the contract, the City may, at the time of acceptance of the work, waive liquidated damages which may have accrued for failure to complete on time, due to any of the above reasons, after hearing evidence as to the reasons for such delay.

M. EQUALS CLAUSE

Whenever reference to a specific brand name is made in these specifications, it is illustrative and to be construed as a specification which describes a component that has been tested or evaluated by the City as best meeting specific operational, design, performance, maintenance, quality, and reliability standards and requirements of the City, thereby incorporating these requirements by reference within the specification. An equivalent ("or equal") may be offered by the Bidder, subject to testing or evaluation by the City prior to award of bid. The City shall be the sole judge of whether any proposed item will fulfill its requirements. It shall be the sole responsibility of the Bidder to provide, at Bidder's expense, any product information, test data, and other information or documents the City may require to fully evaluate or demonstrate the acceptability of the offered substitute. Where appropriate, independent testing or evaluation (including destructive testing) may be required as a condition of acceptance at a qualified test facility at the Bidder's expense.

N. QUANTITIES

The estimated requirements shown on the Pricing Page(s) will vary with the demands of the City of San Diego. These quantities are listed for information purposes only and shall not be deemed to either guarantee a minimum amount or restrict the maximum amount to be delivered throughout the contract period. Nor shall any variations from the estimated quantities, regardless of extent, entitle the Bidder to an adjustment in the unit price or to any other compensation.

O. RECYCLED MATERIAL CONTENT

City Council Policy No. 100-14 allows for a $5,000.00 price preference per contract for products which are made partially or fully from recycled material(s). This preference will be applied during the bid evaluation for each contract. Please submit proof, such as a Recycled Material Certificate, Material Safety Data Sheet, or other with your bid.

Please specify the recycled material and the percentage of recycled material used (if any) in the product bid:

Type of recycled material: _____

Percent of recycled material used: _____

P. REFERENCES/QUALIFICATIONS

Bidders are required to demonstrate successful performance for work of similar size and scope as specified in this contract during the past three (3) years. Bidders must also demonstrate that they are properly equipped to perform the work as specified in this contract.

To enable the City to evaluate the responsibility, experience, skill, and business standing of the Bidder, the following documents must be included with the bid submittal:

1. Bidder's References (use form in Forms page).

2. Bidder's Statement of Subcontractors (use form in Forms page).

3. Bidder's Statement of Financial Responsibility (use form in Forms page).

Q. GENERAL PROVISIONS

Except as otherwise specified herein, the City of San Diego General Provisions, dated January 3, 2005, (on file in the Office of the Purchasing Agent) are incorporated as part of this bid and any resulting contract by reference. The General Provisions are available online at www.sandiego.gov/purchasing or via request from the Purchasing & Contracting Department by calling (619) 236-6000.

By signing and/or authorizing the bid submittal, the Bidder/Proposer acknowledges that they have read and understood the meaning, intent and requirements of said General Provisions; and acknowledge said General Provisions are included as a part of this bid.

R. SMALL EMERGING LOCAL BUSINESS PROGRAM

Prime vendors/contractors/consultants are encouraged to take positive steps to diversify and expand their Small Local Business Enterprises (SLBE)/ Emerging Local Business Enterprises (ELBE) solicitation base and to offer contracting opportunities to all eligible small emerging local businesses. To support its Equal Opportunity Contracting commitment, the City has established participation level(s) as defined in the following website, http://www.sandiego.gov/eoc/boc/slbe.shtml.

1. All professional services (non-Architectural/Engineering) contracts valued over $50,000 or more have a voluntary SLBE/ELBE goal of 20%. Details can be found in the website above.

2. For all goods and services contracts valued over $50,000, the City shall apply a 2% bid discount for either: 1) SLBE/ELBE prime contractors or 2) Prime contractors meeting the 20% voluntary SLBE/ELBE goal. The discount will not apply if the award to the discounted bidder would result in a total contract cost of $10,000 in excess of the low, non-discounted bidder. Details can be found in the website above.

S. BUSINESS TAX CERTIFICATE

Any company doing business with the City of San Diego is required to comply with Section 31.0301 of the San Diego Municipal Code regarding Business Tax. For more information please visit the City of San Diego website at www.sandiego.gov/treasurer/ or call (619) 615-1500.

The City requires that each vendor to provide a copy of their Business Tax Certificate, or a copy of their application receipt. Failure to provide the required documents within ten (10) business days of the City's request may result in a Bid being declared non-responsive and rejected.

T. CONTRACTOR STANDARDS

This bid is subject to the Contractor Standards clause of the Municipal Code, Chapter 2, Article 2, Division 32 adopted by Ordinance No. O-19383. All Bidders are required to complete the Contractor Standards Pledge of Compliance included in this Request for Bid (use form in Forms page). The Contractor Standards are available online at www.sandiego.gov/purchasing/vendor/index.shtml or by request from the Purchasing & Contracting Department by calling (619) 236-6000.

U. EQUAL BENEFITS

Effective January 1, 2011, any contract awarded from this solicitation is subject to the City of San Diego's Equal Benefits Ordinance [EBO], Chapter 2, Article 2, Division 43 of the San Diego Municipal Code [SDMC].

In accordance with the EBO, contractors must certify they will provide and maintain equal benefits as defined in SDMC §22.4302 for the duration of the contract [SDMC §22.4304(f)] (use form in Forms Section). Failure to maintain equal benefits is a material breach of the contract [SDMC §22.4304(e)]. Contractors must notify employees of their equal benefits policy at the time of hire and during open enrollment periods and must post a copy of the following statement in an area frequented by employees:

> During the performance of a contract with the City of San Diego, this employer will provide equal benefits to its employees with spouses and its employees with domestic partners.

Contractors also must give the City access to documents and records sufficient for the City to verify the contractors are providing equal benefits and otherwise complying with EBO requirements.

Full text of the EBO and the Rules Implementing the Equal Benefits Ordinance are posted on the City's website at www.sandiego.gov/purchasing/ or can be requested from the Equal Benefits Program at (619) 533-3948.

III. GENERAL REQUIREMENTS

A. PRE-PRODUCTION MEETING

Subsequent to award of this bid, Contractor shall hold a Pre-Production Meeting with City Representatives at the City of San Diego Environmental Services Department, located at 8353 Miramar Place, San Diego, CA 92121-2511. The purpose of the meeting is to establish design finalization of the vehicles as specified in Sections IV.

B. VEHICLE/EQUIPMENT REGISTRATION AND LICENSE PLATES

The Vendor shall obtain the exempt registration and license plates.

The legal registration title shall be as follows:

City of San Diego
Fleet Services
1200 Third Avenue, Suite 200
San Diego, CA 92101-4195

City Equipment I.D. No. _____

Prior to applying for Exempt "E" license plates, the Vendor shall contact the City's Equipment Coordinator at (619) 527-7571 to obtain a City of San Diego Equipment identification number for each vehicle/equipment. This number must appear on the final registration certificate.

Some vehicles/equipment may be purchased via the City's Equipment and Vehicle Financing Program. These vehicles will require that the Vehicle Financing Program Provider be listed as Lien holder on vehicle/equipment registration. Contact the Fleet Services Engineer at (619) 527-7561 for Lien holder verification.

A facsimile of the registration card shall be inserted in the registration holder and each holder shall be attached inside the vehicle/equipment. The location and method of attachment of the registration holder to the vehicle/equipment shall be approved by the Fleet Services Engineer prior to installation.

The original registration card shall be included with the warranty documents upon delivery of each vehicle/equipment to the City. These documents shall be contained in a document delivery envelope.

The license or identification plates shall be installed prior to delivery of each vehicle/equipment.

C. DELIVERY

The City is seeking a projected timeline for delivery of approximately one hundred eighty (180) calendar days from receipt of order. Failure to provide delivery of vehicle within this specified timeline or the timeline offered and accepted by the City upon award, may result in the enforcement of Liquidated Damages in accordance with Section II, paragraph L.

To optimize Fleet Services labor requirements, all deliveries shall be scheduled in advance. The successful Bidder, upon receipt of City Purchase Order or Equipment and Vehicle Financing Program Order Letter, and prior to submittal of factory order, shall contact the Fleet Services Engineer at (619) 527-7561 to establish delivery intervals.

The equipment shall be delivered complete and ready for operation. It shall be new and the latest model and, except as otherwise specified, be standard in all respects. It shall have all the usual equipment and features as shown by current Manufacturer's catalogs. It shall be fueled and completely lubricated, and all pre-delivery services shall have been performed.

The complete units shall be delivered FOB destination to the Fleet Services, General Services Department, 2740 Caminito Chollas, San Diego, CA 92105-5039. Delivery time is Monday through Friday, 10:00 a.m. to 3:00 p.m.

The City will not pay for any equipment that is not delivered as specified in the bid. Conformity to bid specification and the subsequent acceptance date will be determined by the Fleet Services Engineer. Payment terms will be based on date of acceptance by the City.

D. EQUIPMENT AND VEHICLE FINANCING PROGRAM

The City reserves the right to make a direct purchase of proposed equipment, or to arrange financing under the City's Equipment and Vehicle Financing Program.

If the City chooses to utilize its Equipment and Vehicle Financing Program, the successful Bidder shall sell the equipment to the City's lessor under the same terms and conditions offered to the City. (See Attachment A.)

E. WARRANTY

All equipment shall have the regular Manufacturer's guarantees against defects in material and workmanship. The guarantee shall have the standard Manufacturer's warranty. In no case shall coverage be less than twelve (12) months after the equipment is deemed completely operational in accordance with all bid specifications and is placed into service by the City of San Diego Collection Services Division. Warranty Start Date extension(s) may be required to be submitted by the Dealer to the OEM. Where a standard Manufacturer warranty exceeds a period of one (1) year, this warranty shall be provided to the City.

The following components shall have a minimum warranty of two years: radiator, steering gear box, air compressor and air dryer.

If within this one (1) year period any repairs or replacements in connection with the refuse packer are, in the opinion of the City, deemed necessary as a result of the Manufacturer's use of inferior or defective materials, equipment, or workmanship, the Manufacturer shall, upon receipt of notice and without expense to the City, take action to properly repair, replace, or correct any and all such defects therein.

Upon provisional award, the successful Bidder shall establish and deliver to the City a one (1) year service contract with an approved local warranty service facility. Contractor shall furnish written verification of the local warranty service facility contract upon notice of provisional award. Contract and service facility shall have prior approval of the Deputy Director, General Services/Fleet Services.

In the event of a breakdown or failure of the equipment during the warranty period and upon receipt of notice (written or verbal) from the City, Contractor shall take satisfactory action to effect repair or replacement of affected parts within forty-eight (48) hours beginning on the following work day.

Transportation of the equipment from any City of San Diego Station, or place of breakdown, to the warranty service facility for warranty work and back, shall be the responsibility of the Contractor. This includes towing when necessary. If the City must have the equipment towed for reasons of security or safety, the Contractor shall be responsible for all costs. This towing provision includes manufacturer warranties and emission component warranties that exceed the minimum requirement of twelve (12) months.

Bidder (and any applicable Subcontractors) shall complete the Warranty Acknowledgement Form and submit with bid for each item bid (use form in Forms page).

Bidders shall submit a copy of the Manufacturer's warranty for all equipment with bid. If any Manufacturer warranty conflicts with these specifications, these specifications shall prevail as may be in the best interest of the City.

F. OPTIONAL EXTENDED REFUSE BODY WARRANTY

The City requests all Bidders to submit an optional price extending the existing one (1) year refuse body warranty excluding sales taxes, for six (6) additional years (seven (7) years total). Bids not offering the extended warranty will still be considered for award. The cost of optional refuse body warranty will not be evaluated in the award. The optional warranty shall be available for purchase any time during the initial warranty period offered. Minimum terms and conditions of the additional six (6) year warranty are as follows:

1. Items covered under additional six (6) year warranty shall include:

    a. Completed packer body, hopper, and main structure of automated arm and rear door.

    b. All hydraulic cylinders, pumps, and valves.

    c. All pins, bushings, bearings, rollers, and gears for additional automated arm.

2. Items not covered under six (6) year warranty:

    a. All body related electrical components.

    b. All hydraulic hoses.

In addition to the items listed, the packer blade, guides, shoes, wear strips, and hopper floor shall be warranted including normal wear and tear for the entire six (6) year period.

Repairs made under the extended body warranty shall be made at the City of San Diego Repair Facility located on Miramar Place. If the vehicle must be transported more than ten (10) miles, the Bidder shall be required to pay all transportation costs associated with the transport of the vehicle.

Bidders shall submit with their bid documentation indicating the terms and conditions of any extended warranty offered.

G. PARTS STIPULATION

The successful Bidder shall ensure adequate and continued parts support for the useful life of the equipment. The successful Bidder shall provide access to proprietary parts for the equipment for a period of not less than five (5) years from the last delivery of the equipment. Parts must be available in San Diego County and/or received by the City of San Diego within forty-eight (48) hours from placement of the order.

Parts shall include, but not be limited to, those for the cab and chassis and related components such as engine, transmission, suspension, and brakes. Additionally, all proprietary consumable and wear parts for the equipment and its related components shall be included.

It is the intent of the City to have a full complement of fast moving spare parts in stock prior to the first delivery of the equipment. The successful Bidder shall provide the City with a recommended minimum stock parts list for the equipment within forty-five (45) days of award of contract.

Failure to comply with these stipulations may result in the termination of this contract by the City.

H. KEYS

All locks on delivered equipment shall be operable with one (1) key. Ignition switch shall be keyed to Briggs & Stratton C-250 code. Five (5) cab door-keys per unit shall be provided upon delivery. All vehicles in this series shall be keyed alike.

I. EQUIPMENT SPECIFICATION BROCHURE

Each Bidder shall furnish, as a part of the bid, manufacturing specification brochures clearly describing the equipment they propose to furnish. These accompanying documents shall clearly indicate all points specified herein. Failure to provide brochures may cause the bid to be rejected as non-responsive.

J. EQUIPMENT SPECIFICATIONS CHECKLIST

Each Bidder shall furnish, as a part of the bid, the specifications checklist. The Bidder shall insert a "X" (checkmark) in the box labeled "Meets Specifications" or in the box labeled "Exceptions". If Bidder inserts a checkmark in the box labeled "Exceptions", any exceptions and/or deviations from the specifications must be clearly stated. Any exceptions will be evaluated and may be basis for rejection if they are found to be detrimental to the operation of the City. Attach additional information regarding exceptions and/or deviations if necessary. The specifications checklist shall be completed in its entirety. Failure to provide a complete, accurate Equipment Specifications checklist may cause the bid to be rejected as non-responsive.

K. EQUIPMENT DEMONSTRATION

Bidders may be required, at Bidder's expense, to demonstrate their proposed equipment for a minimum of five (5) days in the City of San Diego prior to awarding the contract. Equipment provided for the demonstration must be deemed by the City to be comparable to the equipment specified in the bid. Bidders will not be reimbursed for any costs incurred. The City shall be the sole judge of the suitability and acceptability of any equipment proposed or demonstrated. Demonstration equipment shall be provided within ten (10) calendar days from request.

Demonstrations for each truck shall include but not be limited to the following:

1. Ability to pick-up and dump a rate of no less than 120 containers per hour continuously for a minimum of ten (10) continuous hours daily.

2. Ability to pick-up and dump containers ranging in sizes from 32 to 96 gallons.

3. Ability to pick-up and dump containers for a minimum of 1,000 to a maximum of 1,500 service stops per day on street slopes up to 24°.

L. LABELS

All signs and labels required by ANSI, OSHA, CARB, and DOT shall be affixed.

M. CODE COMPLIANCE

All equipment delivered under these specifications shall comply with all applicable provisions of Federal Motor Vehicle Standards and California Vehicle Codes.

N. ENGINE EMISSIONS REQUIREMENTS AND CERTIFICATION

The engine provided shall be in compliance with California Air Resources Board (CARB) as well as EPA Certified and EPA compliant. Bidder shall provide with their bid copies of the NOX & Particulate Matter (PM) standards to which the engine is certified. Bidder shall also provide with their bid the Executive Order from CARB documenting Certification Level for the equipment offered. The City will fuel the diesel engines with Ultra Low Sulfur (Green) diesel fuel.

O. CHANGES IN EMISSIONS REQUIREMENTS

The City acknowledges that State and/or Federal emissions requirements that are applicable to this contract may change at any time during this contract and such changes may include equipment and/or equipment upgrades to the specifications herein. The Contractor shall be responsible for immediately notifying the City in writing should any State and/or Federal changes in emissions requirements occur. In cases where these changes require a price increase, the Contractor shall notify the City immediately of such increase in writing and shall provide detailed supporting documentation to justify the requested increase. The Contractor must include details of any special equipment and/or equipment upgrades that are mandated for installation as a result of the change in emissions requirements. The requested increase will be evaluated by the City, and the City reserves the right to accept or reject.

P. FEDERAL EXCISE TAX

The City of San Diego is exempt from Federal Excise Tax and will furnish an exemption certificate upon request.

Q. PERFORMANCE SUMMARY

A performance summary SCAAN shall be submitted with the bid. This report shall be issued by the transmission manufacturer.

R. MANUFACTURERS CERTIFIED TRAINING CLASSES

Manufacturers certified 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 conduct training as follows:

1. Packer Body Training

   a. Two (2) eight (8) hour workdays of instruction for City mechanics.

   b. Two (2) eight (8) hour workdays of instruction for City equipment operators.

2. Cab & Chassis Training

   a. Three (3) eight (8) hour workdays for City mechanics.
   Topics shall include: (1) engine familiarization covering topics such as emissions systems, fuel system, engine diagnostics, installation of gas injectors (if applicable), and hands-on diagnostics; and (2) transmission trouble shooting and diagnostics of electronic shift control system.

S. APPROVAL DRAWING

1. Drawings of the proposed refuse packer shall be provided for approval before construction begins.

2. Drawings shall include the following data: Make Model of all chassis and body components, all external dimensions, including operational clearances, and weight distribution on all axles in both an un-laden and fully loaded state.

T. PERFORMANCE TESTS AND REQUIREMENTS

All trucks delivered will be road tested before acceptance. A road test will be conducted with the truck fully loaded. A continuous run of fifty (50) miles or more will be made under all driving and load conditions, during which time the truck shall show no loss of power or overheating. The drive line shall run quietly and be free from vibration or noise throughout the operating range of the truck.

The truck, when fully loaded, must be capable of thirty-four percent (34%) gradeability at eighty percent (80%) torque converter efficiency, at a speed of not less than four (4) miles per hour. Note: thirty-four percent (34%) gradeability equals 19° slope.

The truck startability, fully loaded, on dry paved street shall exceed forty-four percent (44%) gradeability. Note: forty-four percent (44%) gradeability equals 24° slope.

The truck, fully loaded, shall be capable of attaining a highway speed consistent with the performance profile (SCAAN) submitted with the bid.

U. FAILURE TO MEET TESTS AND REQUIREMENTS

In the event a truck fails to meet the test requirements on the first trials, then at the City's option, second trials may be made within thirty (30) calendar days of the first trials. Such trials shall be final and conclusive, and failure to comply with these requirements may be cause for contract termination if equipment fails to meet any of these specifications.

V. MANUALS AND TECHNICAL INFORMATION

One (1) complete and accurate copy for each unit delivered of the following items shall be furnished at the time first vehicle is delivered.

1. Shop maintenance manual, illustrated engine repair, and troubleshooting manual.
2. Transmission repair and troubleshooting manual.
3. Chassis repair and troubleshooting manual.
4. Air brake piping diagram including color-coding, shall show all components applicable to equipment furnished.
5. Operator's manual.
6. Certified weight slip.
7. Shop maintenance manual for body equipment.
8. Illustrated parts book, all OEM part numbers and only those parts pertaining directly to these bodies.
9. Complete wiring diagrams shall be provided with the vehicle, including one (1) 36" x 44" laminated set of "E" electrical wiring prints.
10. Exhaust system manual for the new UREA and DPF (DESC) system shall include illustrated repair and troubleshooting guides.

W. VIDEO/CD-R TRAINING GUIDES

Four (4) pre-recorded DVD or CD programs shall be provided upon delivery, two (2) from the chassis manufacturer and two (2) from the body/arm builder. These programs shall explain in detail the operations, maintenance procedures, and points of lubrication for the equipment bid.

X. COMPONENT SUBSTITUTION AND MOUNTING STIPULATION

All packer components and component mounting locations pertaining to the cab and chassis, drive line, suspension and running gear, electrical, and packer body, shall be standardized for all vehicles provided to the City under the terms of this bid. Changes in the components supplied or the component mounting location shall be submitted to the Fleet Services Engineer in writing for review of compatibility with the current equipment specifications. The City shall be the sole judge in approving or rejecting the proposed changes. Changes shall be compatible with existing equipment bid. All units per order shall be from the same production run.

IV. SPECIFICATIONS AND CHECKLIST FOR AUTOMATED REFUSE PACKERS

A. GENERAL

It is the intent of these specifications to describe a high quality, high performing truck cab and chassis complete with body required for automated refuse collection for all items listed on the Pricing Pages. The complete units will be utilized for the collection of residential curbside refuse, commingled recyclables, or yard wastes in an automated, one (1) person operating mode. The terms "high quality" and "high performing" shall be interpreted to mean that the equipment shall exceed the usual quality, operational capacity or functionality of standard equipment and shall be able to withstand unusual strain, exposure, temperature, wear, and use.

1. Performance

Equipment provided shall be capable of operating under varied and extreme conditions, including repeated stop and go service (1,200 to 1,500 daily service stops on any street slope up to 24 degrees), freeway travel to and from the landfills, and travel on unpaved landfill roads, in all weather conditions. Equipment shall be capable of performing under ambient temperatures of up to 110° F.

□ Meets Specifications or □ Exceptions: _____

2. Legal Payload Capacity

The complete unladen operating weight (tare weight) of the delivered unit shall not exceed 34,000 pounds.

Tare Weight: _____

The truck when empty, partially loaded, and fully loaded, must meet all Federal, State, and local weight limit laws. The legal payload of the completed unit shall be a minimum of ten and one-half ton (10.5 tons) with pusher **or tag axle** and shall conform to all requirements of the California Motor Vehicle Code.

Legal Payload Offered: _____

Code requirements shall include, but not be limited to the following:

- Gross vehicle weight requirements.
- Bridge formula weight requirements. (to support 10.5 ton payload)
- Legal axle weight requirements.

□ Meets Specifications or □ Exceptions: _____

3. Gross Vehicle Weight Rating

GVWR shall be a minimum of **58,000** lbs.

GVWR Offered: _____

□ Meets Specifications or □ Exceptions: _____

4. Engine and Equipment

The engine shall be diesel fueled, turbo charged, four (4) cycle, and wet sleeve design. The engine shall be **the Cummins ISL 345.** Torque rise shall be a minimum of twenty-two percent (22%).

Engine Manufacturer: _____

Model/Horsepower Offered: _____ at 1,800 RPM

Gross Torque Offered: _____ at 1,100 RPM

Torque Rise Offered: _____ %

□ Meets Specifications or □ Exceptions: _____

Engine equipment shall include the following:

a. Oil filter, full flow spin-on type.

□ Meets Specifications or □ Exceptions _____

b. Fuel Filter, spin on type.

□ Meets Specifications or □ Exceptions: _____

c. Exhaust system vertical muffler and exhaust pipe with heat guard mounted on left side at rear of cab in compliance with Vehicle Code 27152. The entire exhaust system shall be approved by the engine Manufacturer, and shall meet all noise requirements set forth in the California Vehicle Code.

□ Meets Specifications or □ Exceptions: _____

d. Engine specified shall incorporate the maximum heavy-duty cooling system available to the OEM.

□ Meets Specifications or □ Exceptions: _____

e. Cooling system specified shall be provided with extended life coolant.

□ Meets Specifications or □ Exceptions: _____

f. Engine shutdown shall be automatic and shall operate on high water temperature, low oil pressure, and low water level. Shutdown shall be Kysor or equal.

Manufacturer: _____

□ Meets Specifications or □ Exceptions: _____

g. Shall have heavy-duty replacement dry air cleaner and shall be matched to provide maximum engine air intake and minimum air restriction and shall be approved by the engine Manufacturer. All intake tubing/plumbing shall be corrosive and moisture resistant stainless steel, or equal. An air restriction indicator shall be located in cab.

□ Meets Specifications or □ Exceptions: _____

5. Fuel Tank

The diesel fuel tank shall be of aluminum construction and a minimum of 70 U.S. gallons total capacity, mounted on left side of vehicle, and shall not interfere with the body and equipment installation.

Capacity Offered: _____

□ Meets Specifications or □ Exceptions: _____

6. Engine Cooling

The cooling system shall be so designed that the circulating coolant water at the top of the radiator will not rise above Manufacturers suggested operating temperature when operating under maximum load, speed or grade, regardless of ambient temperature. The cooling system shall be equipped with a thermostat to maintain proper temperature of the coolant when operated continuously over twelve (12) hour work cycle, under load, road speed, or grade, regardless of outside ambient temperature. The cooling system shall be equipped with a 2-speed fan clutch.

□ Meets Specifications or □ Exceptions: _____

7. Radiator

The radiator shall be mounted in such a manner as to prevent damage due to flexing, torqueing, or vibration of the frame, cab, or body. The radiator must be adequate to meet all drive train manufacturers' requirements.

□ Meets Specifications or □ Exception: _____

8. Hoses

All cooling and heater hoses shall be silicone type with constant torque clamps where applicable.

□ Meets Specifications or □ Exception: _____

9. Transmission

The transmission shall be six (6) speed automatic, and shall incorporate a direct mounted oil cooler. Shall be electronically controlled and include an oil level sensor system. Shall be Allison 4500 RDS or equal. Transmission shall include Allison AK86 package which automatically shifts to neutral when service brakes are applied, during route application and when container lift/dump mechanism is energized. A transmission shift lever control shall be provided (touch pad controls are not acceptable). Torque converter shall be Allison Model TC-521 or approved equal.

The automatic transmission shall be matched with the engine to provide maximum power and efficiency. Both the torque convertor and transmission shall have a rated capacity equal to or exceeding the maximum power output of the engine furnished.

Transmission manufacturer & model offered: _____

Auto shift manufacturer & model offered: _____

Torque converter manufacturer &model offered: _____

□ Meets Specifications or □ Exception: _____

10. Power Steering

OEM power steering system rated for 20,000 pound front axle shall be provided. Steering effort shall not exceed 150 inch-lbs. measured at the steering column with a fully loaded front axle, rated tire pressure, on dry brushed concrete and at a rate of one (1) turn per second.

Steering Gear Offered: _____ Steering Effort Offered: _____

□ Meets Specifications or □ Exceptions: _____

11. Steering Wheel Clearance

Driver steering wheel shall have a minimum of 4" clearance around the outer radius of wheel to prevent interference with cab equipment, including but not limited to boarding handles and steering wheel.

Driver Steering Wheel Clearance Offered: _____

□ Meets Specifications or □ Exceptions: _____

12. Turning Diameter

Operating conditions of the equipment specified, including but not limited to cul-de-sacs, narrow streets, steep grades, and other confining parameters shall dictate the maximum maneuverability that shall be provided. Maneuverability will be an important factor in the selection process with preference given to those vehicles with the highest degree of maneuverability as measured by turning diameter.

The unit specified shall have a maximum turning diameter of 71'. This dimension shall be the "wall to wall" diameter as measured from the corner of the front bumper, tracing a 360° circle.

Maximum Turning Diameter Offered: _____

□ Meets Specifications or □ Exceptions: _____

13. Front Axle & Suspension

The front axle provided shall be rated 20,000 lbs. minimum.

□ Meets Specifications or □ Exceptions: _____

The front suspension shall be taper leaf/parabolic design. Spring capacity shall be rated 20,000 lbs. minimum. Shock absorbers shall be provided.

□ Meets Specifications or □ Exceptions: _____

14. Rear Axle & Suspension

The rear axle provided shall be minimum rated capacity of 40,000 lbs. Rear axle ratio shall be approximately 5.57 to 1.0 or as required to provide gradeability of 34.4% @ 4.0 MPH and a minimum road speed of 55 mph at governed engine speed. Rear axle shall be Dana Spicer, model number DSH44, or equal. The rear axle interlock shall be equipped with an audible interlock alarm in the cab. The alarm shall engage when the interlock is in the on position. Rear axle gear ratio shall be compatible with maximum highway speed and transmission in sixth gear mode.

Rear Axle Manufacturer: _____ Model: _____

□ Meets Specifications or □ Exceptions: _____

The rear suspension shall have a minimum rated capacity of 40,000 pounds, and include transverse torque rods. Suspension provided shall be Hendrickson Model HMX400 or equal.

Suspension Manufacturer: _____ Model: _____

□ Meets Specifications or □ Exceptions: _____

15. Pusher **or Tag** Non-Steer Lift Axle System (Air Ride)

The pusher **or tag** lift axle system provided shall be a light weight, non-steerable design rated a minimum of 10,000 pounds.

Axle/Suspension Manufacturer: _____ Model: _____

□ Meets Specifications or □ Exceptions: _____

16. Chassis Construction

The frame shall be constructed of steel having a yield strength of not less than 100,000 lbs. per square inch. The basic frame shall have a channel cross section with a minimum R.B.M. of 1,969,000 inch-lbs. per rail. If reinforcement is required to obtain this R.B.M., the reinforcement cross-section shall be an inverted "L" or full channel. Fish plating is not acceptable.

□ Meets Specifications or □ Exceptions: _____

17. Brake Equipment

a. Service Brakes

Service brakes shall be designed for Right Hand Steer. Shall be Antilock (ABS) with full traction control air brakes of the "S-CAM" design with automatic slack adjusters, Bendix ASA-5, or equal. The system shall include an air compressor rated at 12 CFM minimum and plumbed to the clean side of the air intake system. An air dryer, Bendix System Guard AD-9, or equal, shall be installed ahead of the first air tank. Air tank drains shall be remote mounted with manual petcocks, to a central manifold for easy access behind left front tire area and have the ability to drain each tank individually. Air lines shall be color-coded continuously throughout each individual circuit, and color-coding shall be visible with 6" of each connection of tie-down clamp. All rubber hoses shall be free of paint. All flex air lines to brake chambers shall be wire-braded. Brakes shall be "Extended Service" maximum size offered OEM, minimum 16-1/2 x 7" front and 16-1/2 x 8-5/8" rear.

Brake Manufacturer: _____ Model: _____

Air Dryer Manufacturer: _____ Model: _____

□ Meets Specifications or □ Exceptions: _____

b. Parking Brakes

The spring set parking brakes shall be automatically actuated in the event of failure in either the main or protected air system. Parking brakes shall be provided on both axles of the tandems. The parking brake must hold fully truck without any movement headed up or down hill at a 24° slope.

□ Meets Specifications or □ Exceptions: _____

18. Front Bumper

An adequate front bumper with recessed steps to allow cleaning of windshield shall be provided. A tow device or tow hooks adequate for pulling stuck trucks out of landfill fully loaded without damaging any part of the cab or chassis shall be installed.

□ Meets Specifications or □ Exceptions: _____

19. Electrical

a. General

The electrical system shall be 12 volt - negative ground.

b. Batteries

Shall provide battery group, two (2) maintenance-free, rated at a minimum of 1800 CCA. The batteries shall be mounted in a location that is easily accessible for service and replacement. Battery box shall be located on left side of vehicle and shall not interfere with body installations. A battery disconnect switch shall be provided next (fore or aft) to the battery box.

□ Meets Specifications or □ Exceptions: _____

c. Alternator

Shall be rated a minimum capacity of 135 amps.

□ Meets Specifications or □ Exceptions: _____

d. All electrical wiring shall be installed in a loom, be color-coded, or color-coded and number stamped, identical to all vehicles in production per purchase order and shall be properly secured to prevent damage by movement or vibration. All electrical connections shall be soldered; Scotchloks and similar connectors are prohibited. All instrument/gauge wiring connections shall be screw type/push pin; blade/spade connectors are not acceptable. Conductors shall be properly sized to minimize voltage drop. Grommets shall be provided where wire passes through frames or gussets.

□ Meets Specifications or □ Exceptions: _____

20. Lighting

Lighting provided shall include daytime running lights and LED tail, brake marker/clearance. Directional signals provided shall be amber. Additional turn signals shall be mounted on cab doors. The following additional lighting requirements shall be provided:

a. All lighting and reflectors shall meet or exceed FMVSS 108.

□ Meets Specifications or □ Exceptions: _____

b. For long life and ease of service, all clearance, tail stop lights, and back-up lights shall be plug-in type, grommet mounted, shock resistant, water-proof, with Lexan Lens. They shall be Truck-Lite, or an approved equal.

Manufacturer: _____

□ Meets Specifications or □ Exceptions: _____

c. All wiring shall be enclosed in a loom and properly secured to prevent damage by movement or vibration. All electrical connections shall be soldered; Scotchloks and similar connectors are prohibited. Reflectors provided shall be rivet secured type, adhesive style is unacceptable.

□ Meets Specifications or □ Exceptions: _____

d. All wiring shall be color coded and consistent with color codes of the cab and chassis wiring.

□ Meets Specifications or □ Exceptions: _____

21. Air Conditioning

OEM integral air-conditioning shall be provided. Roof mounted units are unacceptable. The air conditioning provided shall maintain the cab temperature at 70° F when ambient temperature is 110° F. Factory installed, ceiling mounted air conditioning (evaporator only, condenser in front of radiator) air shall be diffused to upper torso of driver for maximum cooling. Fresh air heater and integral defroster shall be directed to both sides of cab and windshield. All cab glass shall be tinted in accordance with California Vehicle Code. Rear window shall be tinted to a No. 3 level.

□ Meets Specifications or □ Exceptions: _____

22. Lubrication

All grease zerks shall be easily accessible from ground level. Remote grease zerks shall be provided as required. All lubrication fittings shall be accessible for servicing without the use of special adapters.

□ Meets Specifications or □ Exceptions: _____

23. Paint, Cab & Chassis

Cab and non chromed cab components shall be painted with DuPont Imron Elite Polyurethane "White" or equivalent (paint code # N0006); chassis components shall be painted chassis black. Final paint specs will be determined at the pre-production meeting and final approval by the City will be given prior to production line-set date.

Paint Offered (Cab / Chassis): _____ / _____

□ Meets Specifications or □ Exceptions: _____

24. Digital Mobile Radio System

a. General Description

The equipment provided shall be the Motorola XTL1500, 700 MHz trunked radio. No other radio will be considered unless previously approved through the City of San Diego IT&C/Communications Division at (619) 525-8650. **The mobile radio is to be priced separately with quantities determined at the pre-production meeting.**

Manufacturer: _____ Model: _____

□ Meets Specifications or □ Exceptions: _____

b. Mobile Antenna

The antenna system provided must support the new digital radio mobile network.

Manufacturer: _____ Model: _____

□ Meets Specifications or □ Exceptions: _____

c. Installation

The radio and antenna shall be installed by the Contractor. Location shall be determined at the pre-production meeting.

25. On-Board Scales/Weight System

Complete system shall be Trans-Data Model TD2965-L, or approved equal. Scale system shall be installed by the Contractor and operational prior to acceptance of completed refuse packer by the City.

Manufacturer: _____ Model: _____

□ Meets Specifications or □ Exceptions: _____

a. General

The system installed shall consist of an in-cab monitor that receives signal voltages from three (3) axle mounted load beams. Monitor installed shall have the capability of indicating the following weight readings:

(1) Front axle gross weight.
(2) Drive axle gross weight.
(3) Total vehicle gross weight.
(4) Location and mounting of monitor shall be approved by the City prior to installation.

□ Meets Specifications or □ Exceptions: _____

b. Load Beams

Load beams shall be constructed of grade 17-4 stainless steel with all gauging and wire connections potted and sealed to protect against corrosion and the elements. Load beams shall be capable of signaling both positive and negative load impositions.

□ Meets Specifications or □ Exceptions: _____

c. Meter

Read-out weight numerals shown on the meter shall be bright red LED's and clearly visible. Load beam connections to the meter shall be through an interface board with adjustable pots on each channel to permit the beam signals to be balanced under no load conditions. Meter shall be equipped with an adjustable overweight warning device.

□ Meets Specifications or □ Exceptions: _____

d. Mounting System

Load beam mounting shall not affect structural integrity of the axle. Mounting hardware shall be designed to eliminate any interface deflection between load beam and mounting member. Mounting shall permit sensor beam to track negative voltage loads indicating loss of original tare load.

□ Meets Specifications or □ Exceptions: _____

e. Power

Power supply shall be rated twelve (12) volts and supplied to the meter interface board by a fused three (3) wire shielded cable. Power shall be supplied and meter activated when truck ignition is on. All signal wires from the load beams to the meter shall be in shielded cable, and enclosed in a loom protective harness. All wiring shall be secured and follow standard chassis routing.

□ Meets Specifications or □ Exceptions: _____

B. GENERAL CAB AND CHASSIS

1. Cab and Chassis Specifications

The cab and chassis provided shall be of cab over engine design and industry designated as "6 x 4." The cab shall be of aluminum or steel construction. Trucks that incorporate fiber-glass panels that are not susceptible to sustaining vehicle fires may be considered. Access steps shall not exceed 18" from ground. All steps and/or climbing surfaces on any part of cab shall be safety grip strut. The cab and chassis provided shall be current O.E.M. standard production model and shall not be built-up utilizing various manufacturers' components.

□ Meets Specifications or □ Exceptions: _____

2. Wheelbase/**OAL**

Wheelbase of the truck provided shall be the minimum possible to achieve maximum maneuverability and a ten and a half (10.5) ton minimum legal payload. **Maximum acceptable overall length shall be 400 inches.**

Wheelbase/**OAL:** _____

□ Meets Specifications or □ Exceptions: _____

3. Cab to Trunnion

   Cab to trunnion dimension as measured from the back of cab to centerline of rear tandems shall be as required by wheelbase.

   CT offered: _____

   □ Meets Specifications or □ Exceptions: _____

4. Wheels

   Front and rear wheels shall be hub piloted. All wheels shall be Alcoa Aluminum Disc style with drop center. The front wheel size shall be 22.5 x 9.0, 10 hole; 10,000 GVW. The rear wheels size shall be 22.5 x 9.0, 10-hole; 9,000 GVW each. Pusher axle wheels shall be hub piloted steel disc style. 17.5 x 6.75, 4 hole; 6,500 GAWR each. All wheels, including pusher wheel, shall utilize lime green lug nut indicators.

   □ Meets Specifications or □ Exceptions: _____

5. Tires

   Each tire shall have a rating of 10,000 pounds minimum. The front and rear tires provided shall be 315/80R-22.5 (L) 20 ply highway radial tread design M860. The pusher **or tag axle** tires provided shall be 235/75R17.5 (H) 16 ply highway radial tread design. Each tire shall have a rating of 6,005 pounds minimum.

   □ Meets Specifications or □ Exceptions: _____

   □ Meets Specifications or □ Exceptions: _____

6. Cab Construction and Design

   a. The cab shall be of steel or aluminum or a combination of steel and fiberglass construction. Fiberglass content must not exceed 19% construction.

      Cab Construction: _____

      □ Meets Specifications or □ Exceptions: _____

   b. Cab design shall not impair operator's vision from the right-side driver position.

      □ Meets Specifications or □ Exceptions: _____

   c. Front fender-extensions shall be provided and installed on both sides.

      □ Meets Specifications or □ Exceptions: _____

   d. All air, electric, or hydraulic lines exposed within cab floor area shall be protected from damage.

      □ Meets Specifications or □ Exceptions: _____

7. Cab Operational Requirements

   a. Cab provided shall facilitate the multiple functions that this truck is scheduled to perform. The truck shall be driven from the right side seated position of the cab without any obstructions affecting visibility. The right driver side shall be OEM installed (after-market conversions are unacceptable).

      □ Meets Specifications or □ Exceptions: _____

   b. Provisions shall be made to allow checking and filling of fluids in the engine, transmission, and radiator without raising cab.

      □ Meets Specifications or □ Exceptions: _____

   c. The cab provided, to facilitate engine maintenance, shall be capable of being tilted a minimum of 60^0.
      Tilt Angle Offered: _____

   d. Cab shall tilt via curb side electric or air over hydraulic power actuated lift mechanism. (with manual override included)

      □ Meets Specifications or □ Exceptions: _____

   e. The operator's environment shall provide sufficient space and comfort to accommodate all City Operators for eight (8) hours to twelve (12) hour continuous work shift.

   f. Operational controls are required on the right-side driver position of cab only.

      □ Meets Specifications or □ Exceptions: _____

   g. A 16" to 18" steering wheel shall be provided.

      Size Offered: _____

      □ Meets Specifications or □ Exceptions: _____

   h. Adjustable steering column with tilt features for steering wheel is preferred.

      □ Meets Specifications or □ Exceptions: _____

   i. When column is in straight alignment a minimum of 3" of clearance between any point on the body and any point on the steering wheel is required.

      □ Meets Specifications or □ Exceptions: _____

j. Right side controls shall be provided to permit the truck to be operated from the right side position. These controls shall include steering, braking, throttle, transmission [lever-type shifter] and those other controls essential to allow safe operation of the vehicle.

□ Meets Specifications or □ Exceptions: _____

k. The driver's (RH) seat shall be air suspension type with isolator and shoulder type seat belt. The seat is to be of high quality, fully adjustable for height, fore and aft, as well as seat cushion angle and backrest angle adjustments. The passenger (LH) seat shall be fixed type.

□ Meets Specifications or □ Exceptions: _____

l. Upholstery shall be a combination of cloth and vinyl. Seating area is to be cloth in a dark brown or black.

Seat Manufacturer:_____ Model:_____

□ Meets Specifications or □ Exceptions: _____

m. Doors are required on both sides of cab. Door panels, stops, hinges, and mirror brackets shall be adequately braced and supported to withstand any shock loads sustained.

□ Meets Specifications or □ Exceptions: _____

n. **DELETED**

8. Gauges and Instruments

The truck shall be equipped with speedometer, hour meter, odometer, tachometer, oil pressure gauge, dual air pressure gauges, water temperature gauge, fuel gauge, voltmeter, low air pressure warning buzzer, and air cleaner restriction gauge with restriction indicator in cab for right-hand drive, OEM only. Gauges shall be analog type. An air horn with a ceiling mounted control valve and heavy duty pull rope. An electric horn shall be provided.

□ Meets Specifications or □ Exceptions: _____

9. Emergency Triangle Kit

Bi-directional emergency triangles, "Grote" Kit #71422 or equal, mounted in tool box. Shall be installed by the body builder.

Manufacturer: _____ Model: _____

□ Meets Specifications or □ Exceptions: _____

C. SPECIAL REQUIREMENTS

1. Noise and Smoke Emissions:

   a. Operator Exposure Noise: Shall comply with the Occupational Safety and Health Act (OSHA) sound level (dbA) requirement for an eight (8) hour maximum operator exposure time; measured at operators' ear with engine at governed RPM.

      □ Meets Specifications or □ Exceptions: _____

   b. Exterior Noise: Shall comply with the City's Ordinance, which states the maximum noise emitted by construction, lawn mowing, agricultural, and industrial machinery shall not exceed 75dbA at a distance of 50'.

      □ Meets Specifications or □ Exceptions: _____

2. Other Cab Equipment:

   The truck shall be equipped with two (2) exterior and two (2) interior cab entry assist handles and West Coast type mirrors outside right and left, minimum size of 6" x 15" and equipped with parabolic spot mirrors to enable driver to see down both sides of vehicle. Mirrors shall also be installed to enable the driver to see the container lift in all positions. A convex bubble type mirror, 8" mounted via stainless steel mounting bracket shall be mounted above left windshield. This mirror shall enable the driver to view across front of truck cab. Cab door mirror brackets shall be located 11" from pivot on door bracket to centerline of mirror assembly. Proposed mirror installations shall be approved by the City prior to installation. Both street side and curbside mirrors shall be electric and remotely adjustable from the operator's seat. Both seat belt shoulder harness anchors should be adjustable. Cab windows shall be electric power windows.

   □ Meets Specifications or □ Exceptions: _____

   The following additional equipment shall be provided:

   a. Vinyl cover on dog house (stationary engine cover between both front seats in cab of truck) and doors.
      □ Meets Specifications or □ Exceptions: _____

   b. Cab mounted fan.
      □ Meets Specifications or □ Exceptions: _____

   c. Toe board, raised angle type.
      □ Meets Specifications or □ Exceptions: _____

   d. Document holder shall be provided on driver's door for vehicle registration papers.

      □ Meets Specifications or □ Exceptions: _____

e. Adjustable Padded type arm rest shall be provided for the operator on the dog house right side and right cab door.

□ Meets Specifications or □ Exceptions: _____

f. A beverage or utility holder shall be provided in the console.

□ Meets Specifications or □ Exceptions: _____

g. Electric horn shall be provided.

□ Meets Specifications or □ Exceptions: _____

h. Left door shall have a large view, unobstructed safety window, installed in the outer door skin.

□ Meets Specifications or □ Exceptions: _____

i. A 10 pound dry chemical extinguisher shall be provided.

□ Meets Specifications or □ Exceptions: _____

3. AM/FM Radio

AM/FM Radio shall be provided. Panasonic Model CRW-125 or approved equal. Antenna shall be mounted street side. Two (2) heavy duty type speakers matched to system shall be provided and mounted **to the top opposing areas of the cab.**

Speaker Mounting Location:_____

Radio Manufacturer: _____ Model: _____

□ Meets Specifications or □ Exceptions: _____

4. ELECTRICAL

a. All wiring circuits shall be individually color coded. Cannon plugs utilized shall be of the expanded plug or spring loaded design. All circuits shall be protected by breakers; fuses are unacceptable. Electrical connections between cab and body shall be located in a terminal block enclosure. Terminal blocks shall be located in areas that are not susceptible to vibration or contamination and enclosed in a weather-proof locker. Circuit breakers installed shall be easily accessible.

□ Meets Specifications or □ Exceptions: _____

b. Electrical wire (cable) shall meet SAE J1128 specifications. Insulation shall be SAE type HDT. The cable and insulation will reflect good engineering practice. Consideration is to be given to physical and environmental factors such as flexing, heat (194° ambient plus rise), cold bending, oil and fuel contact, abrasion, and pinch resistance properties.

□ Meets Specifications or □ Exceptions: _____

c. An electronic reverse motion alarm, "Ecco" Model 630 or equal, shall be provided.

Manufacturer: _____ Model: _____

□ Meets Specifications or □ Exceptions: _____

D. AUTOMATED REFUSE PACKER BODY

1. GENERAL

It is the intent of these specifications to describe the minimum requirements of a complete automated refuse compaction body for all items listed on the Pricing Pages. The body shall incorporate a container lifting/dumping mechanism. Body design shall eliminate leakage to permit collection in wet/dry applications. Design of the body and components shall eliminate any residual trash remaining in the body after dumping/ejection of load eliminating manual clean out by the operator. The compaction system shall include a follower plate to prevent the accumulation of debris behind the blade.

2. QUALITY AND WORKMANSHIP

The design of the automated arm and packer body must conform to the latest approved automotive engineering practices. Workmanship shall be of the highest quality in its field. Special consideration shall be given to the following points; accessibility of the various units which required periodic maintenance operations, ease of operations and symmetrical proportions. Construction must be rugged and have ample safety factors provided by design to carry loads specified legally. Welding shall not be employed in the assembly of the automated arm or packer body in a manner that will prevent the ready removal of any component part for service or repair. All paint shall be applied per OEM paint specifications for best quality, color match to the cab, corrosion protection, and durability.

3. COMPACTION BODY

a. Capacity:

The body, inclusive of the hopper, shall have a capacity of not less than 30 cubic yards nor greater than 37 cubic yards. Capacity shall be a minimum 10.5 ton legal payload.

Capacity: _____ CY /_____ Load (Ton)

□ Meets Specifications or □ Exceptions: _____

b. Dimensions:

(1) Length: The body shall have an overall length as required to achieve a minimum 10.5-ton legal payload.

Length: _____ inches

(2) Height: The overall height shall conform to the California Vehicle Code.

Height: _____ inches

(3) Width: The body shall have a maximum overall transport width including container lift device not to exceed legal width. The overall width shall be calculated with grabber stowed for transport either in the hopper or in the lowered position.

Width: _____ inches

□ Meets Specifications or □ Exceptions: _____

c. Body Construction:

(1) Body & Hopper: Body shell and rear door shall be constructed of 1/8" Hardox 450 180,000 psi abrasive resistant steel. Hopper sides shall be constructed of 4mm Hardox 450 180,000 psi abrasive resistant steel.

□ Meets Specifications or □ Exceptions: _____

(2) The body shall incorporate a design with proper seals to collect fluids preventing any leakage.

□ Meets Specifications or □ Exceptions: _____

(3) A full width all steel shield extending from the front of the hopper forward shall be installed to provide protection over turbos, engine extension, transmission and the exhaust system.

□ Meets Specifications or □ Exceptions: _____

(4) Body shall have adequate bracing (RIBS) to prevent distortion of the sides and roof.

□ Meets Specifications or □ Exceptions: _____

(5) Two (2) large clean-out openings with two (2) doors each side - top half, 22"x 10" and bottom door 14" x 13" piano hinged. Top door to open left to right and bottom door to lift up. Bottom door to be water tight. Bottom of each door shall meet hopper floor level. Each door shall be positioned on the forward left and forward right corners of body. Doors shall be provided to allow cleaning of debris that may accumulate behind the packer blade. A clean-out tool with storage brackets shall be installed. Design and installation of tool will be determined at the pre-production meeting.

□ Meets Specifications or □ Exceptions: _____

(6) Brackets or fixtures shall be mounted on outside of body to firmly carry broom and shovels etc. (location to be determined at pre-production meeting).

□ Meets Specifications or □ Exceptions: _____

d. Hopper Construction:

(1) Size: The larger capacity hopper preferred is four (4) cubic yards (minimum) excluding packing mechanism.

Capacity/size: _____

□ Meets Specifications or □ Exceptions: _____

(2) Side Walls: Shall be constructed from 3/16" 100,000 psi abrasive resistant steel.

□ Meets Specifications or □ Exceptions: _____

(3) Long Sills: The hopper long sills shall be 10" high by 3" wide interlaced with seven (7) full body width cross members.

Sill Size: _____

□ Meets Specifications or □ Exceptions: _____

(4) Cross members: The hopper cross members shall be 3" high by 4½" wide formed twelve (12) gauge 50,000 psi minimum yield strength steel. Cross members shall support and be continuously welded to the hopper floor plate of ¼" abrasive resistant steel.

Cross Member Size: _____

□ Meets Specifications or □ Exceptions: _____

(5) Reinforcement: The hopper side walls shall be braced by a minimum of four (4) horizontal channels formed 2" by 5" 50,000 psi yield strength hi-tensile plate.

□ Meets Specifications or □ Exceptions: _____

(6) Ladder: An access ladder, permitting the operator to examine the hopper contents, shall be provided.

□ Meets Specifications or □ Exceptions: _____

(7) Hopper cover: The hopper shall have metal mesh or solid cover with rubber edges to prevent contents from flying out when being transported to the landfill.

□ Meets Specifications or □ Exceptions: _____

(8) Packing blade must cycle and clear the hopper of refuse in a maximum of ten (10) seconds.

Timing Offered: _____

□ Meets Specifications or □ Exceptions: _____

e. Tailgate:

(1) Construction: The tailgate shall be of bustle design (a replaceable liner is preferred) to prevent distortion of the tailgate due to forces imposed by compacted refuse and a minimum of 4½ cubic yard capacity. Construction shall be a minimum of 1/8" Hardox 450 180,000 psi yield strength plate and include perimeter reinforcing. The tailgate shall be hinged to the rear edge of reinforced roof and rotate on C.R. steel hinge pins 2" in diameter minimum.

The lower inside perimeter shall be equipped with a replaceable water-tight seal extending across entire bottom width and vertically up the sides a minimum of 24". The tailgate shall rotate (lift) a minimum of 95° from the closed position.

Replacement Liner Offered: _____

□ Meets Specifications or □ Exceptions: _____

(2) Opening: The tailgate shall be opened and closed, utilizing two (2) double acting hydraulic cylinders. Cylinders shall be a minimum of 2½" I.D. with 1½" chrome plated rod. Cylinders shall be equipped with pilot operated check valves.

□ Meets Specifications or □ Exceptions: _____

(3) Locking: The tailgate shall be secured by two (2) minimum steel locks powered automatically by hydraulic cylinders. Locks shall capture door pins (two (2) per side) and secure door to rear of body.

□ Meets Specifications or □ Exceptions: _____

(4) Controls: Tailgate actuation shall be controlled via switch conveniently located in the cab. Tailgate control shall be positioned and designed to prevent accidental or inadvertent engagement during regular operation of vehicle. Location of controls shall be determined at pre-production meeting.

□ Meets Specifications or □ Exceptions: _____

(5) License Plate: shall be mounted out of harm's way and properly shielded.

Location: _____

□ Meets Specifications or □ Exceptions: _____

(6) Drip Pan: Tailgate shall be equipped with an attached drip pan that can be removed for maintenance. Drip pan shall be tapered so that when the tailgate is lifted, the drip pan will empty automatically.

□ Meets Specifications or □ Exceptions: _____

4. Container Lifting/Dumping Mechanism

It is the intent of these specifications to describe the installation of a container lifting/dumping mechanism for an automated refuse packer.

a. Operational Design: The lift provided shall include the following:

(1) System shall include a safety interlock to prevent accidental release of the container while in the dump position.

(2) The lift shall be an integral component of the body and/or chassis.

(3) Lift capacity shall be a minimum of 750 pounds at full extension. Cycle time shall be a maximum of ten (10) seconds.

Capacity and Cycle: _____

(4) The lift provided shall be compatible with thirty-two (32) to ninety-six (96) gallon containers. The lift provided shall be able to lift automated containers irrespective of their shape. The gripper component shall move the container through the lift and dump cycle with no distortion of the container. The City retains the exclusive right to determine if a proposed lifter is compatible with the various container shapes. The lifting mechanisms shall be hydraulic or heavy-duty chain type to be approved by the Environmental Services Division (ESD) Engineer.

Lifting Mechanism Type: _____

(5) The lifting mechanism provided shall be capable of picking up and dumping containers located a minimum of 9 feet from the center-line of the container to the side of the truck. The grabber shall grip the container at a height of 24" maximum. It shall also have the ability to reach recessed containers up to 84" with a maximum of a 36" clearance around radius of container, perpendicular to truck. The lifting mechanism shall also have the ability to grip, lift, and dump container into hopper working in a maximum clearance of 50" between outer-most point of packer body and the outside radius of a 96 gallon container, including gripper arms and all attachments. The container shall follow the shortest possible path from the ground to the dumping position over the hopper without damage to container. The width of the traveling portion of frame shall not exceed 50" maximum, including grabbers.

(6) The arm framework and extending arms shall be constructed of materials designed to withstand the loads imposed on them during repeated dumping cycles of residential refuse.

(7) All pivot points shall be permanently sealed and lubricated roller bearing or Teflon lined with the pins locked to prevent rotation of the pin in the busing.

(8) The arms and grip shall incorporate an automatic locking mechanism to ensure that arm and gripper remains in the stowed position when retracted. Arm shall remain locked until manually released by the operator. Arm shall unlock only when picking up and dumping containers. There shall be an indicator light located on the dash and an audible alarm to alert the operator if the arm and/or gripper is not locked in the stowed position during transport. A "Cart-Up" switch shall be provided to allow storage of the cart/gripper in the up position with hopper door closed while "en-route".

□ Meets Specifications or □ Exceptions: _____

b. Control System: Controls for the lift arm shall be in the same sequence and uniformity to match existing City fleet as described below:

□ Control system shall provide smooth operation of the system and utilize "soft touch rocker" control switches.

□ Four (4) sets of controls shall be cab mounted accessible from the driver's side operating position.

□ Two (2) left hand controls shall be provided on the center console; one (1) shall be a joy stick and one (1) of rocker design.

□ One (1) set of rocker controls shall be mounted on the right hand door below the window for easy right hand reach by the driver. The mounting bracket shall be fore-aft adjustable for varying driver ergonomics.

- ☐ One (1) set of rocker controls to operate arm in a semi-automated mode shall be cab mounted on the floor board adjacent to operator's seat.

- ☐ All controls shall be easily accessible from the operator's seat.

- ☐ Controls shall automatically slow the carriage to stop at top and bottom of rails to prevent container damage.

- ☐ A pressure gauge mounted in-cab for active, live grip pressure is to be provided.

□ Meets Specifications or □ Exceptions: _____

Installation: The installation of the container lift/dumper on the truck shall be done in accordance with current industry practice. The lifting arm shall be mounted integral with the chassis without cutting or weakening structural members. The installation shall provide for a minimum of 14" of ground clearance and stow in a street legal position. The mechanism shall be installed on the right hand (curb) side of the completed unit.

□ Meets Specifications or □ Exceptions: _____

5. Packing System

a. Design:

(1) The sweep of the hopper and load compaction shall be accomplished by a compactor panel traveling a distance that meets or exceeds the hopper length. Compaction force shall not be less than 70,000 lbs. (Paddle packing mechanisms are not acceptable).

Force: _____

(2) The packing panel shall be box-type reinforced with a blade surface constructed of ⅜" steel plate. The panel shall be 30" high and 70" wide.

(3) A follower plate shall be provided to prevent dumping of containers behind the packer blade while extended.

(4) The system provided shall incorporate one (1) or two (2) double acting hydraulic cylinders to extend/compact and retract the packing panel. The packing panel cylinders cannot be used as ejection cylinders.

(5) The compactor panel shall incorporate a 72" long wear surface with replaceable wear strips of ¼" AR-400 abrasion resistant material. Guide rails shall utilize two (2) AR-400 wear strips.

□ Meets Specifications or □ Exceptions: _____

b. Operating Controls:

(1) The compactor shall be electrically operated via controls mounted in the cab. Continuous compaction mode, automatic compaction mode, and manual packing selection shall be provided.

(2) The operating controls for lift mechanism, packing panel, tailgate locking and opening, and for unloading shall be located in the truck cab easily accessible to the driver while seated in the right side driving position. All control operations shall utilize variable speed controls allowing the operator to feather/meter the grabber to the container without disturbing the surrounding containers or tipping them over and shall have plastic laminated labels.

(3) Tailgate lock and lifting controls shall be isolated from all other controls and shall be designed to eliminate the possibility of accidental operation.

□ Meets Specifications or □ Exceptions: _____

c. Capabilities

The packing system shall be capable of displacing material from the hopper at a rate of not less than 20 cubic yards per minute at a maximum of 1,400 engine RPM. The system provided shall be capable of uninterrupted operation during the container lift and dump cycle. Packing density must be capable of yielding consistent 10.5 ton payloads.

Displacement Rate: _____

□ Meets Specifications or □ Exceptions: _____

6. Dumping System

The dumping system provided shall be either hoist-and-dump or full eject. The load shall be dumped via cab mounted, electrical controls which raise the tailgate and packer body. The tailgate shall be unlatched and opened/closed hydraulically. The controls shall be located in the cab to allow the operator to remain in the cab and seated during the unloading procedure. Manually operated latching or restraining devices are not acceptable.

Dumping System Offered_____

a. Hoist-and-Dump: The hoist-and-dump method shall utilize dual hydraulic cylinders energized in parallel to ensure the body maintains a level plane during the raises and lowers cycle. Flow restrictors shall be provided to prevent sudden loss of hydraulic fluid due to line failure. Two (2) CALOSHA approved body props, one (1) on each side the truck frame, shall be provided. These devices are to hold props in a stowed position when not in use are required.

□ Meets Specifications or □ Exceptions: _____

b. Full Eject: The full eject method shall utilize an ejector panel which will travel to full length of the body. The ejector panel shall be equal in area to the cross section area of the body. The ejector panel shall be designed to act as a bulkhead against which refuse is compressed by the packing mechanism. The eject cylinders cannot be used as packer cylinders. The ejector panel shall travel on 3/16" AR500 wear strips with additional 3/16" AR500 wear strips mounted to the full length of the floor guides. These floor guide wear strips shall be replaceable without removing the ejection panel from body. At no time may any portion of the ejector panel, when in its rearmost position, extend beyond the plane of the rear body opening. However, the ejector panel must be capable of fully emptying the body.

□ Meets Specifications or □ Exceptions: _____

7. Hydraulic System

General: The hydraulic system provided shall perform all hydraulic functions at engine idle. Engine idle shall be considered in the range of 600 RPM to 800 RPM or low engine RPM; not to exceed 1,399 RPM. **Transmission mounted PTO will not be accepted.**

a. Design Pressure: The system shall be designed to operate at a maximum of 2500 PSI. A factory sealed pressure relief valve shall be provided to protect the system. All hydraulic lines shall be stainless steel braided and tubing shall be equipped with 37° flare fittings of sufficient size for the oil flow. All hydraulic hose provided shall meet or exceed S.A.E. 100R2 specifications for pressure and temperature requirements. Hose provided shall be Gates M2T Megaflex, or equal. All hydraulic tubing shall be rubber mounted.

Hose Manufacturer: _____ Model: _____

□ Meets Specifications or □ Exceptions: _____

b. Hydraulic Flow Divider

The Hydraulic System shall be equipped with a packing system pressure flow divider electronically activated from cab of truck via toggle switch control labeled "TRASH/RECYCLING". This feature shall provide the following capabilities:

(1) Operation in high pressure mode shall allow maximum compaction to obtain required payload.

(2) Operation in low pressure mode used for recycling operation shall prevent from over compaction/damaging load of recycled materials.

□ Meets Specifications or □ Exceptions: _____

(3) Engine at idle speed or lower RPM shall perform all hydraulic functions.

□ Meets Specifications or □ Exceptions: _____

(4) Reservoir: A steel baffle hydraulic reservoir of not less than fifty (50) gallon capacity shall be provided. The tank shall be equipped with a breather filter to prevent the entrance of foreign matter, tank drain plug (magnetic type), and a "bulls-eye" design oil level indicator showing service level with packer blade retracted and all systems at rest. Hydraulic oil temperature shall not exceed 190°F during normal operation. The service lines to the hydraulic reservoir shall be fitted with shut-off valves on the suction line. The shut-off valves shall be located in a manner which allows servicing of suction screen (100 mesh, minimum) and return line 10 micron filter. The tank shall be equipped with Aero-Quip Coupling Adaptor 502-12-10S and Dust Cap 5657-12-10S for oil filling from street side. Breather filter to be Pall HC7400-SDT4H and Adaptor HHAM-7000 or equal.

Breather Filter Manufacturer: _____ Model: _____

Breather Adaptor Manufacturer: _____ Model: _____

□ Meets Specifications or □ Exceptions: _____

c. Controls:

All hydraulic functions shall be controlled by sectional air operated hydraulic valves.

□ Meets Specifications or □ Exceptions: _____

d. Cylinders:

All hydraulic cylinders (except packing cylinders) shall be cushioned to avoid impact loading at the end of the piston stroke in extended and retracted positions. All cylinders shall be designed to facilitate repairs and rebuilding, in place without the use of specialized tools. Packing cylinders shall be contained inside the frame rails through full pack cycle operation.

□ Meets Specifications or □ Exceptions: _____

e. Hoses:

(1) All hydraulic hose construction shall be SAE approved with a minimum burst pressure rating of at least four (4) times the working pressure.

(2) Hydraulic hose shall be installed with proper length to permit adequate flexing and changes in length due to expansion and contraction. Proper installation is essential for satisfactory performance and maximum hose service life.

(3) Hose carriers shall be utilized that are designed to contain and protect hoses in dynamic applications between fixed and moving portions of the equipment. Use of carriers shall reduce wear on hose; prevent hose entanglement; improve operation and appearance; and reduce safety hazards to operators.

(4) Hydraulic hose/pipe/tubing shall be installed with a high degree of professionalism using fasteners such as Stauff or T-clip to secure lines. Hydraulic lines shall be routed and anchored to prevent external damage. Proper routing and installation is imperative for satisfactory performance and service life.

□ Meets Specifications or □ Exceptions: _____

8. Lighting

Lighting provided on the Body will compliment Chassis lighting described on page 31. Detailed lighting direction will be determined at the pre-production meeting.

a. All lighting and reflectors shall meet or exceed FMVSS 108.

□ Meets Specifications or □ Exceptions: _____

b. Two (2) round 7", LED, amber warning lamps (similar to school bus warning lamps), shall be installed at a height of approximately 84", measured from the ground, on the rear of the truck., combined with a Whelen TA837 or equal Traffic Advisor (light bar). Exact location shall be approved by the City prior to installation. These amber warning lamps will incorporate an alternating heavy duty solid state flasher without audible alarm. Shall be Truck-lite 97200 or equal. The lamps shall have a cab mounted control switch with a pilot lamp.

Traffic Advisor Manufacturer: _____ Model: _____

Lamp Manufacturer: _____ Model: _____

□ Meets Specifications or □ Exceptions: _____

c. All wiring shall be enclosed in a loom and properly secured to prevent damage by movement or vibration. All electrical connections shall be soldered; "Scotchloks" and similar connectors are prohibited.

□ Meets Specifications or □ Exceptions: _____

d. All wiring shall be color coded or color coded, number stamped and consistent with color codes of the cab and chassis wiring.

□ Meets Specifications or □ Exceptions: _____

e. Reflectors provided shall be rivet secured type; adhesive styles are unacceptable.

□ Meets Specifications or □ Exceptions: _____

9. Safety Mechanism

The truck shall be equipped with a warning system which shall warn the operator if any of the following occur:

a. Tailgate not completely latched or body not fully latched.

□ Meets Specifications or □ Exceptions: _____

b. Any access doors for clean out or for personnel entry shall be properly identified and shall have controls which render the hydraulic system inoperable while any one of the doors are open.

□ Meets Specifications or □ Exceptions: _____

c. Automatic arm and grip are not in the store position when the vehicle is in gear.

Automated arm/gripper assembly may be stowed in any location so long as it complies with the maximum height and width regulations

□ Meets Specifications or □ Exceptions: _____

d. The warning signal provided shall utilize a system of lights clearly visible to the operator. There shall be a separate labeled light for each item, permanently marked and screw mounted.

□ Meets Specifications or □ Exceptions: _____

10. Tool Box

24" H x 18" W x 18" D, aluminum, single door tool box mounted on left side of truck. Tool box and door shall be water tight (capable of withstanding the high-pressure 2000 psi truck wash), non-locking, and capable of storing a 10 pound dry chemical fire extinguisher (upright), storage for a 5 gallon container full of sand or two (2) bags of sand (25 lbs.) each, and an emergency triangle kit.

□ Meets Specifications or □ Exceptions: _____

11. Sign Holders

Two (2) sign holders shall be installed, one on each side of the body (Stock No. SS315955). Frames shall be 2-1/4" x 95-1/2" x 31-1/2" outside diameter, satin anodized aluminum, tamper proof design, with stainless steel cam-over springs.

12. Lubrication

Any inaccessible point that might need lubrication during operation shall be provided with lubrication plumbing and fittings (rated at 2,000 psi minimum working pressure) extended to an outside mounted "manifold", at an accessible point of the refuse packer, and shall be labeled. All lubrication fittings shall be accessible for servicing without the use of special adapters.

□ Meets Specifications or □ Exceptions: _____

13. Installation

The installation of the body on the cab and chassis shall be done in accordance with current industry practice. The body shall be centered laterally on the truck frame and there shall be no evidence of binding or interference. Special consideration shall be given to the following points; accessibility of the various components which require periodic maintenance operations, ease of operations, and symmetrical proportions.

All welding is to be done by qualified welders. Welds exhibiting evidence or lack of penetration or lack of fusion will be cause for rejection of the delivered equipment. Weld slag shall be removed prior to application of primer paint. Electrical wiring shall be properly secured to prevent damage by movement or vibration.

Welding shall not be employed in the assembly of the compaction mechanism or packer body in a manner that will prevent the ready removal of any component part for service or repair.

□ Meets Specifications or □ Exceptions: _____

14. Mounting And Safety Requirements

The complete body shall comply with all applicable requirements of the California Vehicle Code, CAL-OSHA, D.O.T. and ANSI Standards.

□ Meets Specifications or □ Exceptions: _____

15. Paint

All metal surfaces of the completed body shall be cleaned, properly prepped, and primed according to paint manufacturer's recommendations. The completed unit shall be painted with a premium quality polyurethane topcoat, DuPont Imron Elite Single Stage at 1.8 to 2.2 mils thickness or equivalent white. Dry thickness primer shall be 2 mil, with a minimum finish of 3 mil. Exterior primer used must be tested compatible with high performance polyurethane top coats. A material safety data sheet shall be provided with the truck indicating the product utilized.

The rear of the body shall be striped with 8" wide orange chevron painted stripes at a 60° angle and 8" spacing with the "V" at the bottom. The orange stripes shall be Omaha Orange, DuPont 311 or O.E.M. equivalent.

Stripe Manufacturer: _____ Model: _____

□ Meets Specifications or □ Exceptions: _____

Bidder shall provide painted orange accent stripes on the cab. Location to be determined at the pre-production meeting and final approval by the City will be given prior to installation.

16. Camera System

These specifications describe a color camera system that shall be fully compatible with each refuse packer. Do not include price of this camera system in the bid price of each refuse packer. This camera system shall be priced separately in Section 2 of the Pricing Pages. The City will determine at its own discretion whether or not this camera system will be selected. If selected, this camera system will be designated on a City Purchase Order or Vehicle Financing Program Order Letter. It shall be fully installed and ready for operation upon delivery of each refuse packer ordered.

17. Cameras

Two (2) color cameras shall be provided. One (1) camera shall be mounted at the rear of vehicle. The second camera shall be hopper mounted to permit the operator to observe loading and blade operation in the packer hopper. The hopper camera shall operate only while lift arm mechanism is in motion. Cameras provided shall be equipped with a sun shield, weatherproof, and mounted utilizing vibration and shock resistant mounts. Cameras shall be Intec CVC 470 HXL. Installation shall be of a permanent nature utilizing tamper proof nuts and bolts. Co-axial cable shall be CVXLP21MA (no substitutions), protected by a polyurethane jacket and contained in rigid conduit for protection.

For both cameras the following requirements shall be met:

- Field of view, 100°degrees vertical, 125° degrees horizontal (minimum).

Fields Offered: _____

- Illumination, 0.5 lux (minimum).

Lux Offered: _____

- 320 lines of resolution (minimum).

Resolution Offered: _____

- Shock resistant. Capable of withstanding continued 9G loads.

- Auto-iris lens, f-2.0 mm, f 2.0 fixed focus.

Lens/Focus Offered: _____

- 12 VDC.

VDC Offered: _____

□ Meets Specifications or □ Exceptions: _____

- IP 68 Waterproof

□ Meets Specifications or □ Exceptions: _____

- Utilize mil spec MIL-C-2682 ROHS compliant connection (500 hour salt spray minimum) between camera and cable

□ Meets Specifications or □ Exceptions: _____

18. Monitor

Monitor shall be color and shall be on an adjustable base to permit easy viewing. Monitor shall have a sunshield. Monitor controls shall include automatic on, day/night sensitivity switch and shall be mounted to the ceiling in the center of the cab between the windshield and air conditioning evaporator utilizing swivel mounting bracket equal to Intec model CVSBN. Display shall incorporate multi camera switching through the Intec CV 500M multi camera controller remote. Monitor shall automatically switch to the rear-view camera when truck transmission is shifted into reverse gear. Monitor shall be IntecCVD640LCD, and shall meet the following requirements:

- 6.4" Color picture measured diagonally (minimum).

Size Offered: _____

- 11 - 32 VDC.

VDC Offered: _____

- On-screen LCD distance markers.

□ Meets Specifications or □ Exceptions: _____

- IP68 Waterproof rating

□ Meets Specifications or □ Exceptions: _____

- Backlit control buttons on waterproof remote control

□ Meets Specifications or □ Exceptions: _____

- 50,000 hour LCD panel protection by polycarbonate cover

□ Meets Specifications or □ Exceptions: _____

E. LAPTOP COMPUTER AND DIAGNOSTIC SYSTEM

The following item shall be priced separately in the space provided on the pricing page.

An industrial quality tough case diagnostic type laptop computer with **the "NEXIQ interface",** all needed connections to data link with the vehicle and of sufficient capacity to run all diagnostic functions and software shall be provided.

Software provided shall include all components accessible through the data link such as engine, transmission, and brake system. Licensed software shall be provided with a minimum two (2) year subscription for each of the specific components.

Delivery details and Laptop quantities shall be determined at the pre-production meeting. It is estimated the one laptop per 10 units delivered will support the service needs.

BIDDER'S REFERENCES

The Bidder is **required** to provide a minimum of five (5) customers that have purchased similar equipment, during the past three (3) years. This will enable the City of San Diego to judge product reliability, Vendor performance and other information.

Company Name: _____ **Contact Name:** _____

Address: _____ **Phone Number:** _____

_____ **Fax Number:** _____

Dollar Value of Contract: $_____ **Contract Dates:** _____

Requirements of Contract: _____

_____

_____

Company Name: _____ **Contact Name:** _____

Address: _____ **Phone Number:** _____

_____ **Fax Number:** _____

Dollar Value of Contract: $_____ **Contract Dates:** _____

Requirements of Contract: _____

_____

_____

Company Name: _____ **Contact Name:** _____

Address: _____ **Phone Number:** _____

_____ **Fax Number:** _____

Dollar Value of Contract: $_____ **Contract Dates:** _____

Requirements of Contract: _____

_____

REFERENCES (*cont.*)

Company Name: _____ **Contact Name:** _____

Address: _____ **Phone Number:** _____

_____ **Fax Number:** _____

Dollar Value of Contract: $_____ **Contract Dates:** _____

Requirements of Contract: _____

_____

Company Name: _____ **Contact Name:** _____

Address: _____ **Phone Number:** _____

_____ **Fax Number:** _____

Dollar Value of Contract: $_____ **Contract Dates:** _____

Requirements of Contract: _____

_____

BIDDER'S STATEMENT OF SUBCONTRACTORS

The Bidder is **required** to state below all subcontractors to be used in the performance of the proposed contract, and what portion of work will be assigned to each Subcontractor. Failure to provide details of Subcontractors may be grounds for rejection of bid. NOTE: Add additional pages if necessary.

Company Name: _____ **Contact Name:** _____

Address: _____ **Phone Number:** _____

_____ **Fax Number:** _____

Dollar amount of sub-contract: $_____ **Contract Dates:** _____

Contractor's License #: _____

Requirements of contract: _____

What portion of work will be assigned to this subcontractor: _____

Company Name: _____ **Contact Name:** _____

Address: _____ **Phone Number:** _____

_____ **Fax Number:** _____

Dollar amount of sub-contract: $_____ **Contract Dates:** _____

Contractor's License #: _____

Requirements of contract: _____

What portion of work will be assigned to this subcontractor: _____

Company Name: _____ **Contact Name:** _____

Address: _____ **Phone Number:** _____

_____ **Fax Number:** _____

Dollar amount of sub-contract: $_____ **Contract Dates:** _____

Contractor's License #: _____

Requirements of contract: _____

What portion of work will be assigned to this subcontractor: _____

WARRANTY ACKNOWLEDGEMENT FORM

Prime Contractor and all Sub-Contractors listed below acknowledge and will adhere to all warranty provisions specified in Section III - General Requirements for items bid.

PRIME CONTRACTOR	
Company Name	
Address	

Signature: _____ Date: _____

SUB-CONTRACTOR	
Company Name	
Address	

Signature: _____ Date: _____

SUB-CONTRACTOR	
Company Name	
Address	

Signature: _____ Date: _____

SUB-CONTRACTOR	
Company Name	
Address	

Signature: _____ Date: _____

SUB-CONTRACTOR	
Company Name	
Address	

Signature: _____ Date: _____

BIDDER'S STATEMENT OF FINANCIAL RESPONSIBILITY

The Bidder is required to furnish below a statement of financial responsibility, except when the bidder has previously completed contracts with the City of San Diego covering work of similar scope.

I, _____, certify that my company, _____, has sufficient operating capital and/or financial reserves to properly fund the services identified in these contract specifications for a minimum of two (2) full months. I agree that upon notification of provisional award, I will promptly provide a copy of my company's most recent balance sheet, or other necessary financial statements, as supporting documentation for this statement, if requested. I understand that this balance sheet, as well as any other required financial records, will remain confidential information to the extent allowed under the California Public Records Act.

I certify under penalty of perjury under the laws of the State of California that the information contained in this statement is true and correct.

Dated: _____ Signature: _____

City of San Diego
Purchasing & Contracting Department
Contractor/Vendor Registration Form

All prospective bidders, as well as existing contractors and vendors, are required to complete this form.

Vendor ID:
[ID Number will be provided by City]

Firm Info:

Firm Name:
(as reported on W9)

Firm Address:

City: State: Zip:

Phone: Fax:

Taxpayer ID: Business License:

Website:

Contact Info:

Contact Name:

Title:

Email:

Phone: Cell:

☐ **Alternate Address** (if different from above) **to Receive Remittance:**

Mailing Address:

City: State: Zip:

☐ **Alternate Address** (if different from above) **to Receive Bid/Contract Opportunities:**

Mailing Address:

City: State: Zip:

Contractor Licenses (if applicable)

License Number: License Type:

License Number: License Type:

License Number: License Type:

Contractor/Vendor Registration Form – Page 2

Firm Name: (as reported on W9)	

Product/Services Information:

NIGP Codes:	*

*find list of available NIGP Codes at http://www.sandiego.gov/purchasing OR request hard copy from Purchasing & Contracting

The City requires this information for statistical purposes only.

Primary Owner of the Firm* (51% ownership or more)	☐ Male ☐ Female or	☐ Sole Proprietorship ☐ Partnership ☐ Corporation ☐ Limited Liability Partnership ☐ Limited Liability Corporation ☐ Joint Venture ☐ Non-Profit ☐ Governmental/Municipality/Regulatory Agency ☐ Utility
*Required		

Ethnicity:

Ethnicity:	*

* select one from the following **List of Ethnicities**:

AFRICAN AMERICAN
ASIAN AMERICAN
CAUCASIAN AMERICAN
HISPANIC AMERICAN
NATIVE AMERICAN
PACIFIC ISLANDER AMERICAN

Ownership Classification

Classification: *

* select from the following **List of Ownership Classification Codes** (select all that apply):

	WBE	(Woman Owned Business Enterprise)
	OBE	(Other Business Enterprise)
	DBE	(Disadvantaged Business Enterprise)
	DVBE	(Disabled Veteran Business Enterprise)
	SLBE	(Small Local Business Enterprise)
	8(a)	(Small Business Administration 8(a) Enterprise)
	SDB	(Small Disadvantaged Business Enterprise)
	LBE	(Local Business Enterprise)
	MLBE	(Micro Local Business Enterprise)
	SBE	(Small Business Enterprise)
	MBE	(Minority Business Enterprise)
	EBE	(Emerging Business Enterprise)
	ELBE	(Emerging Local Business Enterprise)

Certified by an Agency? ☐ **No** ☐ **Yes** (enter Certification Number and Certifying Agency below)

Certification #: Expiration Date:

Agency:

Certification #: Expiration Date:

Agency:

Information regarding a vendor's racial or gender ownership status will not be used as a factor in the City's selection process for any contract.

Please mail this form to: Purchasing & Contracting Department
1200 Third Avenue, Suite 200
San Diego, CA 92101

or fax to: 619/ 236-5904

City of San Diego
EQUAL OPPORTUNITY CONTRACTING (EOC)
1200 Third Avenue • Suite 200 • San Diego, CA 92101
Phone: (619) 236-6000 • Fax: (619) 235-5209

WORK FORCE REPORT

The objective of the *Equal Employment Opportunity Outreach Program*, San Diego Municipal Code Sections 22.3501 through 22.3517, is to ensure that contractors doing business with the City, or receiving funds from the City, do not engage in unlawful discriminatory employment practices prohibited by State and Federal law. Such employment practices include, but are not limited to unlawful discrimination in the following: employment, promotion or upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rate of pay or other forms of compensation, and selection for training, including apprenticeship. Contractors are required to provide a completed *Work Force Report (WFR).*

NO OTHER FORMS WILL BE ACCEPTED

Section 1.01 CONTRACTOR IDENTIFICATION

Type of Contractor: ☐ Construction ☐ Vendor/Supplier ☐ Financial Institution ☐ Lessee/Lessor
☐ Consultant ☐ Grant Recipient ☐ Insurance Company ☐ Other

Name of Company: _____

ADA/DBA: _____

Address (Corporate Headquarters, where applicable): _____

City: _____ County: _____ State: _____ Zip: _____

Telephone Number: ( ) _____ Fax Number: ( ) _____

Name of Company CEO: _____

Address(es), phone and fax number(s) of company facilities located in San Diego County **(if different from above):**

Address: _____

City: _____ County: _____ State: _____ Zip: _____

Telephone Number: ( ) _____ Fax Number: ( ) _____

Type of Business: _____ Type of License: _____

The Company has appointed: _____

As its Equal Employment Opportunity Officer (EEOO). The EEOO has been given authority to establish, disseminate and enforce equal employment and affirmative action policies of this company. The EEOO may be contacted at:

Address: _____

Telephone Number: ( ) _____ Fax Number: ( ) _____

☐ One San Diego County (or Most Local County) Work Force - Mandatory
☐ Branch Work Force *
☐ Managing Office Work Force

Check the box above that applies to this WFR.

**Submit a separate Work Force Report for all participating branches. Combine WFRs if more than one branch per county.*

I, the undersigned representative of _____
(Firm Name)

_____ , _____ hereby certify that information provided
(County) *(State)*

herein is true and correct. This document was executed on this _____ day of _____, 20____

_____ _____
(Authorized Signature) *(Print Authorized Signature Name)*

WORK FORCE REPORT – Page 2

NAME OF FIRM: _____ DATE: _____

OFFICE(S) or BRANCH(ES): _____ COUNTY: _____

1. INSTRUCTIONS: For each occupational category, indicate number of males and females in every ethnic group. Total columns in row provided. Sum of all totals should be equal to your total work force. Include all those employed by your company on either a full or part-time basis. The following groups are to be included in ethnic categories listed in columns below:

(1) Black, African-American
(2) Hispanic, Latino, Mexican-American, Puerto Rican
(3) Asian, Pacific Islander
(4) American Indian, Eskimo
(5) Filipino
(6) White, Caucasian
(7) Other ethnicity; not falling into other groups

ADMINISTRATION OCCUPATIONAL CATEGORY	(1) Black		(2) Hispanic		(3) Asian		(4) American Indian		(5) Filipino		(6) White		(7) Other Ethnicity	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Management & Financial														
Professional														
A&E, Science, Computer														
Technical														
Sales														
Administrative Support														
Services														
Crafts														
Operative Workers														
Transportation														
Laborers*														

*Construction laborers and other field employees are not to be included on this page

Totals Each Column														

Grand Total All Employees	

Indicate by Gender and Ethnicity the Number of Above Employees Who Are Disabled:

Disabled														

Non-Profit Organizations Only:

Board of Directors														
Volunteers														
Artists														

WORK FORCE REPORT – Page 3

NAME OF FIRM: _____ DATE: _____

OFFICE(S) or BRANCH(ES): _____ COUNTY: _____

I. INSTRUCTIONS: FOR EACH OCCUPATIONAL CATEGORY, INDICATE NUMBER OF MALES AND FEMALES IN EVERY ETHNIC GROUP. TOTAL COLUMNS IN ROW PROVIDED. SUM OF ALL TOTALS SHOULD BE EQUAL TO YOUR TOTAL WORK FORCE. INCLUDE ALL THOSE EMPLOYED BY YOUR COMPANY ON EITHER A FULL OR PART-TIME BASIS. THE FOLLOWING GROUPS ARE TO BE INCLUDED IN ETHNIC CATEGORIES LISTED IN COLUMNS BELOW:

(1) Black, African-American
(2) Hispanic, Latino, Mexican-American, Puerto Rican
(3) Asian, Pacific Islander
(4) American Indian, Eskimo
(5) Filipino
(6) White, Caucasian
(7) Other ethnicity; not falling into other groups

TRADE OCCUPATIONAL CATEGORY	(1) Black		(2) Hispanic		(3) Asian		(4) American Indian		(5) Filipino		(6) White		(7) Other Ethnicity	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Brick, Block or Stone Masons														
Carpenters														
Carpet, Floor & Tile Installers Finishers														
Cement Masons, Concrete Finishers														
Construction Laborers														
Drywall Installers, Ceiling Tile Inst														
Electricians														
Elevator Installers														
First-Line Supervisors/Managers														
Glaziers														
Helpers; Construction Trade														
Millwrights														
Misc. Const. Equipment Operators														
Painters, Const. & Maintenance														
Pipelayers, Plumbers, Pipe & Steam Fitters														
Plasterers & Stucco Masons														
Roofers														
Security Guards & Surveillance Officers														
Sheet Metal Workers														
Structural Metal Fabricators & Fitters														
Welding, Soldering & Brazing Workers														
Workers, Extractive Crafts, Miners														
Totals Each Column														

Grand Total All Employees	

Indicate By Gender and Ethnicity the Number of Above Employees Who Are Disabled:

Disabled														

CITY OF SAN DIEGO WORK FORCE REPORT

HISTORY

The Work Force Report (WFR) is the document that allows the City of San Diego to analyze the work forces of all firms wishing to do business with the City. We are able to compare the firm's work force data to County Labor Force Availability (CLFA) data derived from the United States Census. CLFA data is a compilation of lists of occupations and includes the percentage of each ethnicity we track (Black, Hispanic, Asian, American Indian, Filipino) for each occupation. Currently, our CLFA data is taken from the 2000 Census. In order to compare one firm to another, it is important that the data we receive from the consultant firm is accurate and organized in the manner that allows for this fair comparison.

WORK FORCE & BRANCH WORK FORCE REPORTS

When submitting a WFR, especially if the WFR is for a specific project or activity, we would like to have information about the firm's work force that is actually participating in the project or activity. That is, if the project is in San Diego and the work force is from San Diego, we want a San Diego County Work Force Report.[1] By the same token, if the project is in San Diego, but the work force is from another county, such as Orange or Riverside County, we want a Work Force Report from that county.[2] If participation in a San Diego project is by work forces from San Diego County and, for example, from Los Angeles County and from Sacramento County, we ask for separate Work Force Reports representing your firm from each of the three counties.

MANAGING OFFICE WORK FORCE

Equal Opportunity Contracting may occasionally ask for a Managing Office Work Force (MOWF) Report. This may occur in an instance where the firm involved is a large national or international firm but the San Diego or other local work force is very small. In this case, we may ask for both a local and a MOWF Report.[1,3] In another case, when work is done only by the Managing Office, only the MOWF Report may be necessary.[3]

TYPES OF WORK FORCE REPORTS:

Please note, throughout the preceding text of this page, the superscript numbers one [1], two [2] & three [3]. These numbers coincide with the types of work force report required in the example. See below:

[1] One San Diego County (or Most Local County) Work Force – Mandatory in most cases

[2] Branch Work Force *

[3] Managing Office Work Force

**Submit a separate Work Force Report for all participating branches. Combine WFRs if more than one branch per county.*

Exhibit A: Work Force Report Job categories-Administration

Refer to this table when completing your firm's Work Force Report form(s).

Management & Financial

Advertising, Marketing, Promotions, Public Relations, and Sales Managers
Business Operations Specialists
Financial Specialists
Operations Specialties Managers
Other Management Occupations
Top Executives

Professional

Art and Design Workers
Counselors, Social Workers, and Other Community and Social Service Specialists
Entertainers and Performers, Sports and Related Workers
Health Diagnosing and Treating Practitioners
Lawyers, Judges, and Related Workers
Librarians, Curators, and Archivists
Life Scientists
Media and Communication Workers
Other Teachers and Instructors
Postsecondary Teachers
Primary, Secondary, and Special Education School Teachers
Religious Workers
Social Scientists and Related Workers

Architecture & Engineering, Science, Computer
Architects, Surveyors, and Cartographers
Computer Specialists
Engineers
Mathematical Science Occupations
Physical Scientists

Technical
Drafters, Engineering, and Mapping Technicians
Health Technologists and Technicians
Life, Physical, and Social Science Technicians
Media and Communication Equipment Workers

Sales
Other Sales and Related Workers
Retail Sales Workers
Sales Representatives, Services
Sales Representatives, Wholesale and Manufacturing
Supervisors, Sales Workers

Administrative Support
Financial Clerks
Information and Record Clerks
Legal Support Workers
Material Recording, Scheduling, Dispatching, and Distributing Workers
Other Education, Training, and Library Occupations
Other Office and Administrative Support Workers
Secretaries and Administrative Assistants
Supervisors, Office and Administrative Support Workers

Services
Building Cleaning and Pest Control Workers
Cooks and Food Preparation Workers
Entertainment Attendants and Related Workers
Fire Fighting and Prevention Workers
First-Line Supervisors/Managers, Protective Service Workers
Food and Beverage Serving Workers
Funeral Service Workers
Law Enforcement Workers
Nursing, Psychiatric, and Home Health Aides
Occupational and Physical Therapist Assistants and Aides
Other Food Preparation and Serving Related Workers
Other Healthcare Support Occupations
Other Personal Care and Service Workers
Other Protective Service Workers
Personal Appearance Workers
Supervisors, Food Preparation and Serving Workers
Supervisors, Personal Care and Service Workers
Transportation, Tourism, and Lodging Attendants

Crafts
Construction Trades Workers
Electrical and Electronic Equipment Mechanics, Installers, and Repairers
Extraction Workers
Material Moving Workers
Other Construction and Related Workers
Other Installation, Maintenance, and Repair Occupations
Plant and System Operators
Supervisors of Installation, Maintenance, and Repair Workers
Supervisors, Construction and Extraction Workers
Vehicle and Mobile Equipment Mechanics, Installers, and Repairers
Woodworkers

Operative Workers
Assemblers and Fabricators
Communications Equipment Operators
Food Processing Workers
Metal Workers and Plastic Workers
Motor Vehicle Operators
Other Production Occupations
Printing Workers
Supervisors, Production Workers
Textile, Apparel, and Furnishings Workers

Transportation
Air Transportation Workers
Other Transportation Workers
Rail Transportation Workers
Supervisors, Transportation and Material Moving Workers
Water Transportation Workers

Laborers
Agricultural Workers
Animal Care and Service Workers
Fishing and Hunting Workers
Forest, Conservation, and Logging Workers
Grounds Maintenance Workers
Helpers, Construction Trades
Supervisors, Building and Grounds Cleaning and Maintenance Workers
Supervisors, Farming, Fishing, and Forestry Workers

Exhibit B: Work Force Report Job categories-Trade

Brick, Block or Stone Masons

Brickmasons and Blockmasons
Stonemasons

Carpenters

Carpet, floor and Tile Installers and Finishers

Carpet Installers
Floor Layers, except Carpet, Wood and Hard Tiles
Floor Sanders and Finishers
Tile and Marble Setters

Cement Masons, Concrete Finishers

Cement Masons and Concrete Finishers
Terrazzo Workers and Finishers

Construction Laborers

Drywall Installers, Ceiling Tile Inst

Drywall and Ceiling Tile Installers
Tapers

Electricians

Elevator Installers and Repairers

First-Line Supervisors/Managers

First-line Supervisors/Managers of Construction Trades and Extraction Workers

Glaziers

Helpers, Construction Trade

Brickmasons, Blockmasons, and Tile and Marble Setters
Carpenters
Electricians
Painters, Paperhangers, Plasterers and Stucco
Pipelayers, Plumbers, Pipefitters and Steamfitters
Roofers
All other Construction Trades

Millwrights

Heating, Air Conditioning and Refrigeration Mechanics and Installers
Mechanical Door Repairers
Control and Valve Installers and Repairers
Other Installation, Maintenance and Repair Occupations

Misc. Const. Equipment Operators

Paving, Surfacing and Tamping Equipment Operators
Pile-Driver Operators
Operating Engineers and Other Construction Equipment Operators

Painters, Const. Maintenance

Painters, Construction and Maintenance
Paperhangers

Pipelayers and Plumbers

Pipelayers
Plumbers, Pipefitters and Steamfitters

Plasterers and Stucco Masons

Roofers

Security Guards & Surveillance Officers

Sheet Metal Workers

Structural Iron and Steel Workers

Welding, Soldering and Brazing Workers

Welders, Cutter, Solderers and Brazers
Welding, Soldering and Brazing Machine Setter, Operators and Tenders

Workers, Extractive Crafts, Miners

City of San Diego Purchasing & Contracting Department

CONTRACTOR STANDARDS

Pledge of Compliance

Effective December 24, 2008, the Council of the City of San Diego adopted Ordinance No. O-19808 to extend the Contractor Standards Ordinance to all contracts greater than $50,000. The intent of the Contractor Standards clause of San Diego Municipal Code §22.3224 is to ensure the City of San Diego conducts business with firms that have the necessary quality, fitness and capacity to perform the work set forth in the contract.

To assist the Purchasing Agent in making this determination and to fulfill the requirements of §22.3224(d), each bidder/proposer must complete and submit this *Pledge of Compliance* with the bid/proposal. If a non-competitive process is used to procure the contract, the proposed contractor must submit this completed *Pledge of Compliance* prior to execution of the contract. A submitted *Pledge of Compliance* is a public record and information contained within will be available for public review for at least ten (10) calendar days, except to the extent that such information is exempt from disclosure pursuant to applicable law.

All responses must be typewritten or printed in ink. If an explanation is requested or additional space is required, respondents must use the *Pledge of Compliance Attachment "A"* and sign each page. The signatory guarantees the truth and accuracy of all responses and statements. Failure to submit this completed *Pledge of Compliance* may make the bid/proposal non-responsive and disqualified from the bidding process. If a change occurs which would modify any response, Contractor must provide the Purchasing Agent an updated response within thirty (30) calendar days.

A. PROJECT TITLE:

_____

_____

B. BIDDER/CONTRACTOR INFORMATION:

Legal Name		DBA	
Street Address	City	State	Zip
Contact Person, Title	Phone	Fax	

C. OWNERSHIP AND NAME CHANGES:

1. In the past five (5) years, has your firm changed its name?
   ? **Yes** ? **No**

   If **Yes**, use *Pledge of Compliance Attachment "A"* to list all prior legal and DBA names, addresses and dates when used. Explain the specific reasons for each name change.

2. In the past five (5) years, has a firm owner, partner or officer operated a similar business?
   ? **Yes** ? **No**

   If **Yes**, use *Pledge of Compliance Attachment "A"* to list names and addresses of all businesses and the person who operated the business. Include information about a similar business only if an owner, partner or officer of your firm holds or has held a similar position in another firm.

D. BUSINESS ORGANIZATION/STRUCTURE: Indicate the organizational structure of your firm. Check one only on this page. Use *Pledge of Compliance Attachment "A"* if more space is required.

☐ **Corporation** Date incorporated: ____/____/_____ State of incorporation: _____

List corporation's current officers: President: _____
Vice Pres: _____
Secretary: _____
Treasurer: _____

Is your firm a publicly traded corporation? ☐ **Yes** ☐ **No**

If **Yes**, name those who own five percent (5%) or more of the corporation's stocks:

_____
_____
_____
_____

☐ **Limited Liability Company** Date formed: ____/____/_____ State of formation: _____

List names of members who own five percent (5%) or more of the company:

_____
_____
_____
_____

☐ **Partnership** Date formed: ____/____/_____ State of formation: _____

List names of all firm partners:

_____
_____
_____
_____

☐ **Sole Proprietorship** Date started: _____/_____/_____

List all firms you have been an owner, partner or officer with during the past five (5) years. Do not include ownership of stock in a publicly traded company:

_____
_____
_____
_____

☐ **Joint Venture** Date formed: _____/_____/_____

List each firm in the joint venture and its percentage of ownership:

_____
_____
_____
_____

Note: Each member of a Joint Venture must complete a separate *Contractor Standards Pledge of Compliance* for a Joint Venture's submission to be considered responsive.

E. FINANCIAL RESOURCES AND RESPONSIBILITY:

1. Is your firm in preparation for, in the process of, or in negotiations toward being sold?
   ☐ **Yes** ☐ **No**

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances, including name of the buyer and principal contact information.

2. In the past five (5) years, has your firm been denied bonding?
   ☐ **Yes** ☐ **No**

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances; include bonding company name.

3. In the past five (5) years, has a bonding company made any payments to satisfy claims made against a bond issued on your firm's behalf or a firm where you were the principal?
   ☐ **Yes** ☐ **No**

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances.

F. PERFORMANCE HISTORY:

1. In the past five (5) years, has your firm been found civilly liable, either in a court of law or pursuant to the terms of a settlement agreement, for defaulting or breaching a contract with a government agency?
   ☐ **Yes** ☐ **No**

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances.

2. In the past five (5) years, has a government agency terminated your firm's contract prior to completion?
   ☐ **Yes** ☐ **No**

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances and provide principal contact information.

G. COMPLIANCE:

1. In the past five (5) years, has your firm or any firm owner, partner, officer, executives or management been criminally penalized or found civilly liable, either in a court of law or pursuant to the terms of a settlement agreement for violating any federal, state or local law in performance of a contract, including but not limited to laws regarding health and safety, labor and employment, wage and hours, and licensing laws which affect employees?
   ☐ **Yes** ☐ **No**

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances surrounding each instance; include name of entity involved, specific infraction(s) or violation(s), dates of instances, and outcome with current status.

2. In the past five (5) years, has your firm been debarred or determined to be non-responsible by a government agency?
   ☐ **Yes** ☐ **No**

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances of each instance; include name of entity involved, specific infraction, dates, and outcome.

H. BUSINESS INTEGRITY:

1. In the past five (5) years, has your firm been convicted of or found liable in a civil suit for making a false claim or material misrepresentation to a private or governmental entity?
   ☐ **Yes** ☐ **No**

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances of each instance; include the entity involved, specific infraction(s) or violation(s), dates, outcome and current status.

2. In the past five (5) years, has your firm or any of its executives, management personnel, or owners been convicted of a crime, including misdemeanors, or been found liable in a civil suit involving the bidding, awarding, or performance of a government contract?
   ☐ **Yes** ☐ **No**

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances of each instance; include the entity involved, specific infraction(s), dates, outcome and current status.

I. TYPE OF SUBMISSION: This document is submitted as:

☐ Initial submission of *Contractor Standards Pledge of Compliance.*

☐ Update of prior *Contractor Standards Pledge of Compliance* dated _____/_____/_____.

Complete all questions and sign below. Each *Pledge of Compliance Attachment "A"* page must be signed.

Under penalty of perjury under the laws of the State of California, I certify I have read and understand the questions contained in this *Pledge of Compliance* and that I am responsible for completeness and accuracy of responses and all information provided is true to the best of my knowledge and belief. I further certify my agreement to the following provisions of San Diego Municipal Code §22.3224:

(a) To comply with all applicable local, State and Federal laws, including health and safety, labor and employment, and licensing laws that affect the employees, worksite or performance of the contract.

(b) To notify the Purchasing Agent within fifteen (15) calendar days upon receiving notification that a government agency has begun an investigation of the Contractor that may result in a finding that the Contractor is or was not in compliance with laws stated in paragraph (a).

(c) To notify the Purchasing Agent within fifteen (15) calendar days when there has been a finding by a government agency or court of competent jurisdiction of a violation by the Contractor of laws stated in paragraph (a).

(d) To provide the Purchasing Agent updated responses to the *Contractor Standards Pledge of Compliance* within thirty (30) calendar days if a change occurs which would modify any response.

(e) To notify the Purchasing Agent within fifteen (15) days of becoming aware of an investigation or finding by a government agency or court of competent jurisdiction of a violation by a subcontractor of laws stated in paragraph (a).

(f) To cooperate fully with the Purchasing Agent and the City during any investigation and to respond to a request for information within ten (10) working days from the request date.

Failure to sign and submit this form with the bid/proposal shall make the bid/proposal non-responsive.

_____	_____	_____
Print Name, Title	Signature	Date

City of San Diego Purchasing & Contracting Department
CONTRACTOR STANDARDS
Pledge of Compliance Attachment "A"

Provide additional information in space below. Use additional *Pledge of Compliance Attachment "A"* pages as needed; sign each page. Print in ink or type responses and indicate question being answered. Information provided will be available for public review, except if exempt from disclosure pursuant to applicable law.

Under penalty of perjury under the laws of the State of California, I certify I have read and understand the questions contained in this *Contractor Standards Pledge of Compliance* and that I am responsible for completeness and accuracy of responses on this *Pledge of Compliance Attachment "A"* page and all information provided is true to the best of my knowledge.

Print Name, Title	Signature	Date

EQUAL BENEFITS ORDINANCE CERTIFICATION OF COMPLIANCE

For additional information, contact:
CITY OF SAN DIEGO
EQUAL BENEFITS PROGRAM
202 C Street, MS 9A, San Diego, CA 92101
Phone (619) 533-3948 Fax (619) 533-3220

COMPANY INFORMATION

Company Name:	Contact Name:
Company Address:	Contact Phone:
	Contact Email:

CONTRACT INFORMATION

Contract Title:	Start Date:
Contract Number (if no number, state location):	End Date:

SUMMARY OF EQUAL BENEFITS ORDINANCE REQUIREMENTS

The Equal Benefits Ordinance [EBO] requires the City to enter into contracts only with contractors who certify they will provide and maintain equal benefits as defined in San Diego Municipal Code §22.4302 for the duration of the contract. To comply:

- Contractor shall offer equal benefits to employees with spouses and employees with domestic partners.
  - Benefits include health, dental, vision insurance; pension/401(k) plans; bereavement, family, parental leave; discounts, child care; travel/relocation expenses; employee assistance programs; credit union membership; or any other benefit.
  - Any benefit not offered to an employee with a spouse, is not required to be offered to an employee with a domestic partner.
- Contractor shall post notice of firm's equal benefits policy in the workplace and notify employees at time of hire and during open enrollment periods.
- Contractor shall allow City access to records, when requested, to confirm compliance with EBO requirements.
- Contractor shall submit *EBO Certification of Compliance*, signed under penalty of perjury, prior to award of contract.

NOTE: This summary is provided for convenience. Full text of the EBO and its Rules are posted at *www.sandiego.gov/administration*.

CONTRACTOR EQUAL BENEFITS ORDINANCE CERTIFICATION

Please indicate your firm's compliance status with the EBO. The City may request supporting documentation.

☐ I affirm **compliance** with the EBO because my firm *(contractor must <u>select one</u> reason):*

- ☐ Provides equal benefits to spouses and domestic partners.
- ☐ Provides no benefits to spouses or domestic partners.
- ☐ Has no employees.
- ☐ Has collective bargaining agreement(s) in place prior to January 1, 2011, that has not been renewed or expired.

☐ I request the City's approval to pay affected employees a **cash equivalent** in lieu of equal benefits and verify my firm made a reasonable effort but is not able to provide equal benefits upon contract award. I agree to notify employees of the availability of a cash equivalent for benefits available to spouses but not domestic partners and to continue to make every reasonable effort to extend all available benefits to domestic partners.

It is unlawful for any contractor to knowingly submit any false information to the City regarding equal benefits or cash equivalent associated with the execution, award, amendment, or administration of any contract. [San Diego Municipal Code §22.4307(a)]

Under penalty of perjury under laws of the State of California, I certify the above information is true and correct. I further certify that my firm understands the requirements of the Equal Benefits Ordinance and will provide and maintain equal benefits for the duration of the contract or pay a cash equivalent if authorized by the City.

Name/Title of Signatory	Signature	Date

FOR OFFICIAL CITY USE ONLY

Receipt Date:	EBO Analyst:	□ Approved	□ Not Approved – Reason:

rev 02/15/2011

ATTACHMENT A

City of San Diego

EQUIPMENT AND VEHICLE FINANCING PROGRAM

Vendor Requirements

The Equipment and Vehicle Financing Program is a lease-to-purchase program to finance City equipment acquisitions. At the City's option, the Equipment and Vehicle Financing Program may be used to fund new acquisitions. The following information outlines the Equipment and Vehicle Financing Program requirements for vendors.

EQUIPMENT ORDERS

Successful Bidders will receive an Order Letter in place of a Purchase Order from the City's Financing Services Department. A sample Order Letter is attached. The Order Letter will designate the equipment to be ordered and will confirm that the City has obtained pre-approval from a lease provider to fund the acquisition.

- Sign the Order Letter and return a copy to City of San Diego Financing Services, within ten (10) business days to acknowledge receipt of the order.

- The Order Letter will designate a lease number to be used by the vendor on all shipping and billing documents.

DOCUMENTATION REQUIRED FROM VENDORS PRIOR TO FUNDING

The lease provider will make full payment to the vendor upon receiving approval from the City. The City will provide approval only after the equipment has been accepted by the acquiring Department and the complete documentation from the vendor detailed below has been received.

- Two invoice copies are required: one (1) to be provided directly to the City Department acquiring the equipment and one (1) to be provided directly to the City's Financing Services Department. Addresses are provided in the Order Letter.

- A copy of the Manufacturer's Certificate of Origin for vehicles is required by the City's lease provider prior to funding the equipment. Vendors are requested to provide a copy of the Manufacturer's Certificate of Origin to the City with the invoices at the time of delivery or a minimum of seven (7) business days prior to receipt of funds.

- The lease provider is required to be designated as lienholder on the title and Manufacturer's Certificate of Origin for all vehicles purchased. The City will be named as titleholder.

SALES TAX PAYMENT

Sales tax will not be financed.

- Sales tax will be paid by the City directly to California vendors in a separate check at 7.75%.

- Sales tax will be paid by the City directly to the State of California at 7.75%, for out-of-state vendors. This will be confirmed in the Order Letter. If further verification of sales tax payment is required by out-of-state vendors, contact the Master Lease Program Administrator.

PAYMENT FOR EQUIPMENT

Funding will require a minimum of seven (7) business days for processing by Financing Services and the City's lease provider, after receipt of written acceptance of the equipment from the acquiring City department. Acquisitions CAN NOT and WILL NOT be funded until the acquiring City department accepts and approves the equipment.

Funds will be wired or overnighted by the lease provider, depending on the dollar value of the acquisition. Financing Services will notify vendors of the date funds are scheduled to be wired or overnighted.

To receive wired funds, vendors must provide the following information on COMPANY LETTERHEAD:

- Name, address and telephone number of bank to which funds are to be wired;
- Bank routing number;
- Account number and account name;
- Signature and title of person supplying this information; and,
- Vendor federal tax I.D. number

QUESTIONS

- Questions about the Equipment and Vehicle Financing Program may be directed to Sonya Prado, Debt Management, (619) 236-6640.

- Vendors are prohibited from contacting the City's lease provider regarding the Equipment and Vehicle Financing Program or vendor payment status.

Date

Vendor Representative
Vendor Name
Street Address
City, State Zip Code

Dear Mr./Ms:

Subject: 10008789-11-E

The City of San Diego is ordering the equipment described below from VENDOR in accordance with the specifications of bid number 10008789-11-E. This order is independent of any other equipment the City of San Diego may order from VENDOR through a purchase order. The total price of this order is $ _____ plus sales tax. The equipment will be funded by the City through a lease purchase agreement with LEASE PROVIDER. Preapproval of the lease purchase through LEASE PROVIDER is enclosed.

The equipment to be lease purchased is:

- Quantity (#) Brand Name, Model, and Description

This letter authorizes VENDOR to provide the City with the equipment as specified and to bill the City for the sale. Upon passing the City's incoming inspection and upon receipt of original invoice(s) and, if appropriate, manufacturer's certificate(s) of origin, the City will notify LEASE PROVIDER to make payment for the equipment. The sales tax will be paid by the City to VENDOR in a separate check at 7.75%.

Please use lease **#NUMBER** on all shipping and billing documents related to this order. Where appropriate, equipment identification number(s) should be listed on the invoice(s). Please send original invoices to the City at the following addresses:

City Department

Mark Caroccia
Financing Services
City of San Diego
2740 Caminto Chollas, MS42
San Diego, CA 92105

Page 2 - LEASE NUMBER
Vendor Representative
Vendor.

Please sign below, indicating your acceptance of this order, and return a copy of this letter within ten (10) business days to Sonya Prado at the above address. Please refer questions regarding the leasing procedure to Sonya Prado, Financing Services, (619) 533-6491. Thank you.

Sincerely,

Mary Lewis
Chief Financial Officer
kb

Enclosure: Lease Pre-Approval Form

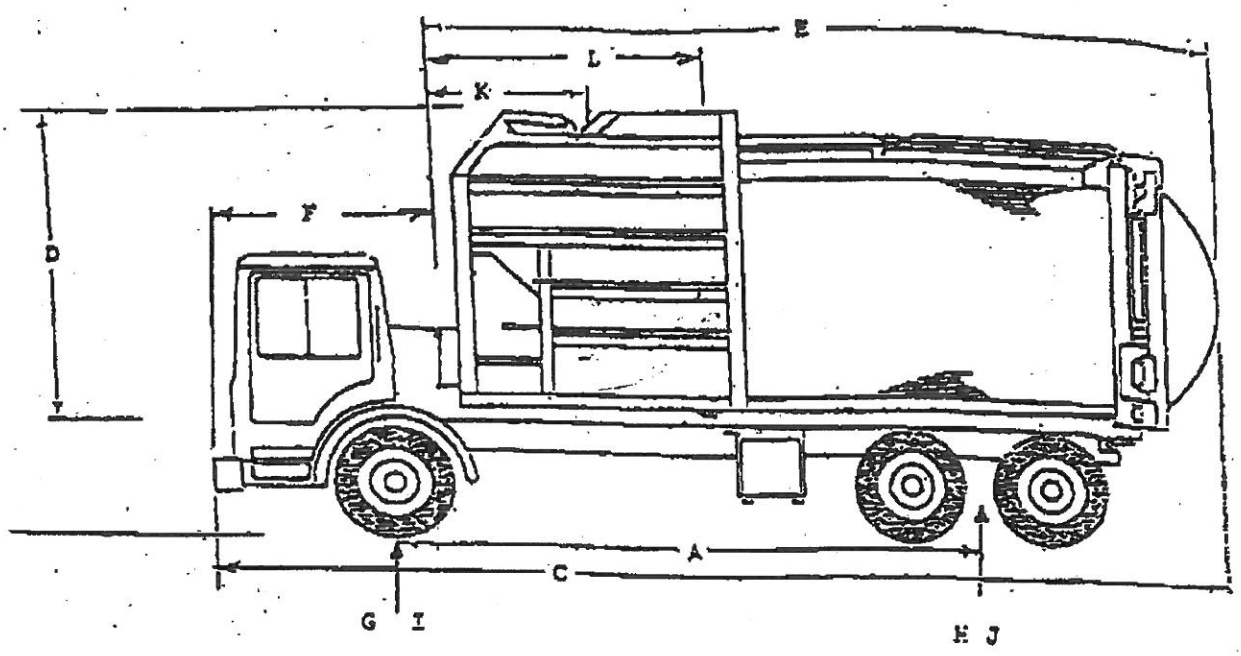
_____ _____

Vendor Date

ATTACHMENT B

GROUND REACTION AND SPECIFICATION CHART

THE VENDOR SHALL SUBMIT A GROUND REACTION CHART FOR BOTH THE FRONT LOADER AND REAR LOADER



A. Wheel Base _____ inches

C. Overall Length _____ inches

D. Height Above Frame _____ inches

E. Body Length _____ inches

F. Bumper to Back of Cab _____ inches

G. Front Axle Loading Empty _____ pounds

H. Rear Axle Loading Empty _____ pounds

I. Front Axle Loading (10 Ton Payload) _____ pounds

J. Rear Axle Loading (10 Ton Payload) _____ pounds

K. Center of Gravity (Empty Truck) _____ inches

L. Center of Gravity (10 Ton Payload) _____ inches

M. Overall Height _____ inches

CITY OF SAN DIEGO, PURCHASING DIVISION
GENERAL PROVISIONS FOR BIDS
DATED 01/03/2005

A. DEFINITIONS

1. Addenda – Additional terms or modifications to a Solicitation after original Solicitation was issued.

2. Alternate Bid – A response to a Solicitation, in addition to a Bid that meets Specifications, which meets or exceeds the Specifications and offers additional advantages to the City.

3. Amendment – A document, signed by the Purchasing Agent or designee, and the Contractor, which outlines changes to an existing Contract.

4. Announcement – The declaration of the intent to Award a Contract per the Municipal Code.

5. Apparent Successful Bid or Bidder – The low and acceptable Bid best meeting the City's requirements which will be awarded the Contract, provided that all conditions subsequent are fulfilled.

6. Award – City's acceptance of the Apparent Successful Bid.

7. Bid – An offer, including quotes, to enter into a Contract with the City for goods or services at a specified amount subject to the terms and conditions of the Contract Documents.

8. Bid Closing – The date and time when all Bids must be received by the Purchasing Agent in order to be considered for Award.

9. Bidders List – A list or record maintained by the Purchasing Agent setting out the names and addresses of suppliers of goods and services from which Bids can be solicited.

10. Contract – The agreement between the City and the Successful Bidder which includes the terms and conditions in the Contract Documents and the Successful Bid.

11. Contract Amount – The prices quoted on the Pricing Page in the Successful Bid which the City agrees to pay.

12. Contract Documents – The Specifications, Pricing Page, Specific Provisions, and General Provisions, as well as any other documents incorporated by reference in any of these documents.

13. Contract Term – The duration of the Contract as provided in the Contract Documents.

14. Debarment – A prohibition against participation in City Contracts for reasons and grounds specified in the San Diego Municipal Code.

EXHIBIT "B"

15. Emergency – Reasonably unforeseen circumstances as defined in the Municipal Code, which require the City to change the Contract Terms.

16. Guarantee of Good Faith – A guarantee in the form of a check, bond or deposit required from each Bidder to be used by the City in the event that an Apparent Successful Bidder fails to honor the Terms of the Bid.

17. Pricing Page – Forms issued by the Purchasing Agent for Bidder to quote Contract Amount.

18. Procurement Card – City issued credit card.

19. Proposed Equivalent – Goods proposed by a Bidder to be equal to those described in the Specifications.

20. Protest – A complaint by an unsuccessful Bidder about a City action or decision related to the selection of the Apparent Successful Bidder prepared in compliance with the provisions of the San Diego Municipal Code.

21. Purchase Order – The Purchasing Agent's form used to formalize a purchase transaction which is necessary prior to any services or goods being provided pursuant to the Contract.

22. Solicitation – Document inviting prospective Bidders to submit Bids for goods or services.

23. Specific Provisions – Additional provisions which are unique to the particular type of Contract being awarded.

24. Specifications – A description of the physical and functional characteristics or the nature of a supply or service and the performance requirements.

25. Suspension – A prohibition against submitting Bids on City projects for a temporary period of time as specified in the San Diego Municipal Code.

B. BID REQUIREMENTS

1. Binding Offer

Pursuant to the Notice to Bidders advertised in the official City newspaper and/or the Solicitation issued by the City, the Bidder's offer to furnish the City of San Diego (City) with the goods or services described in the Bid is binding at the price stated (Contract Amount) and is subject to all of the terms and conditions of these General Provisions, all Contract Documents, as well as the City of San Diego Charter and Municipal Code.

2. Delayed Receipt of Bids, Modifications, or Withdrawals

   a. Bids, modifications, or withdrawals received after the exact hour and date specified for receipt will not be considered unless: (1) received before the City's Announcement of the Contract Award; and (2) the City determines that the Bidder was not responsible for the delay.

   b. The time of mailing of Bids, modifications, or withdrawals submitted by registered or certified mail shall be the last minute of the date shown in the postmark on the registered mail receipt or registered mail wrapper or on the Receipt for Certified Mail, unless the Bidder furnishes evidence from the post office station of mailing which establishes an earlier time.

3. Priority of Contract Provisions

   The Contract Documents include, in the order of priority and specificity, Specifications, Specific Provisions and these General Provisions. When conflicts arise, the most specific provision will control. Therefore, the legal effect of the Contract Documents is in the order stated above. In addition to the Contract Documents, Bidder is bound by all provisions of the San Diego Municipal Code, San Diego Charter and all applicable state statutes, including the California Commercial Code.

4. Quality

   Unless otherwise required in the Specifications, all goods furnished shall be new and the best of their kind.

   a. Any reference to a specific brand name is illustrative only and describes a component best meeting the specific operational, design, performance, maintenance, quality or reliability standards and requirements of the City, thereby incorporating these requirements by reference within the Specification. An equivalent ("or equal") may be offered by the Bidder in response to a brand name reference (Proposed Equivalent). The City may consider the Proposed Equivalent after it is subjected to testing and evaluation which must be completed prior to Award of the Bid. If the Bidder offers an item of a manufacturer or vendor other than that specified, Bidder must identify maker, brand, quality, manufacturer number, product number, catalog number, or other trade designation.

   b. The City has complete discretion in determining whether a Proposed Equivalent will satisfy its requirements. It is the Bidder's responsibility to provide, at its expense, any product information, test data or other information or documents the City requests in order to properly evaluate or demonstrate the acceptability of the Proposed Equivalent, including independent testing or evaluation at qualified test facilities or destructive testing.

5. Quantities

The estimated quantities provided by the City are not guaranteed. These quantities are listed for information purposes only. The quantities may vary depending on the demands of the City. Any variations from these estimated quantities shall not entitle the Bidder to an adjustment in the unit price or to any additional compensation.

6. Non-Collusion

The Bidder warrants that: (1) this Bid is genuine and not sham or collusive, or made in the interest of or on behalf of any person, firm or corporation not therein named; (2) the Bidder has not directly or indirectly induced or solicited any other Bidder to put in a sham Bid, or any other person, firm or corporation to refrain from bidding; and (3) the Bidder has not in any manner sought by collusion to secure any advantage over the other Bidders.

7. Litigation Warranty

Unless the Bidder specifically indicates otherwise in the Bid, submission of a Bid is deemed a warranty by Bidder that no judgments or awards have been entered against Bidder and that it is not currently involved in litigation or arbitration concerning Bidder's provision of services or goods similar to those which are the subject of this Contract. If Bidder discloses that such a warranty cannot be made, the City will require Bidder to furnish the City with a performance bond executed by a surety company authorized to do business in the State of California and approved by the City in a sum equal to one hundred percent (100%) of the Contract Amount.

8. Royalties, Licenses and Patents

Unless otherwise specified, the Contractor shall pay all royalties, license and patent fees. In submitting a Bid, the Contractor warrants that the materials to be supplied do not infringe upon any patent, trademark or copyright and further agrees to defend any and all suits, actions and claims for infringement that are brought against the City, and to defend, indemnify and hold harmless the City from all loss or damages, whether general, exemplary or punitive, as a result of any actual or claimed infringement asserted against the City, the Contractor or those furnishing material to the Contractor pursuant to this Contract.

9. Addenda

The Terms of the Addenda shall be considered in evaluating and submitting Bids. It is the Bidder's responsibility to ensure that any Addenda to a Bid are downloaded from the City's website or otherwise obtained. Failure to respond to any Addenda issued may render a Bid invalid and result in its rejection.

10. No Bid

In order to remain on the Bidders List, a Bidder may submit a "NO BID" response by the stated Bid Closing Date.

11. Time of Essence

Time is of the essence for each provision of the Contract Documents, unless specified otherwise.

12. Bid Results

To obtain Bid results, either: (1) attend Bid opening, if applicable; (2) email contact person listed on cover page to request the Bid results to be emailed to Bidder; (3) provide a self-addressed stamped envelope, referencing Bid number, to be mailed Bid tabulation; or (4) visit the Purchasing Division to review Bid tabulation. Due to time constraints, Bid results cannot be released over the phone and no sooner than three business days after Bid Closing.

C. BID CONTENT

1. Exceptions to Contract Documents

Bidder shall carefully examine all Contract Documents and regulations relating to the goods or services to be furnished and shall be bound by same unless exceptions are proposed in writing and said exceptions are accepted by the City in writing. Any exceptions to the City's Contract Documents submitted by Bidder are deemed rejected and the City may reject Bidder's Bid as non-responsive or consider the Bid without Bidder's proposed exceptions. If after Award of Contract, Bidder attempts to provide materials or services subject to new or additional terms or conditions, unless mutually agreed between City and Contractor in accordance with Section H.3 of these provisions, they too shall be considered void and City may terminate the Contract.

2. Forms

In order for a Bid to be accepted, it must be submitted on the forms provided by the Purchasing Agent.

3. Prices Submitted or Corrected

All prices and notations must be written in ink or typed. Responses must be free of erasures. Corrections must be initialed in ink by the person signing the Bid.

4. Discounts

   Prompt payment discounts of twenty (20) days or more will be considered in the evaluation of Bids. Discounts of less than twenty (20) days will be taken at the time of payment when applicable, but will not be considered in the evaluation of Bids. Discount is taken based on the date of the payment check. Time will be computed from the date of delivery at destination or acceptance by City, or the date supplied to the carrier when acceptance is at the point of origin, or from the date a corrected invoice is received, whichever is later.

   Any discount offered other than for prompt payment should be included in the net price quoted, rather than shown as a separate item. Any discount shown separately will be adjusted on the Purchase Order.

5. Items Offered

   If the item in the Specifications has a trade name, brand, catalog, manufacturer, and/or product number, Bidder shall state the applicable trade name, brand, catalog, manufacturer, and/or product number in the Bid.

6. Alternative Bids

   If Bidder has offered goods or services which are responsive, Bidder may thereafter include with the Bid any additional proposals or alternative goods that are not "equals" but that Bidder believes may meet or exceed City's requirements and that offer City additional advantages or benefits. City reserves the right to evaluate and accept or reject such Alternative Bids as though they were part of the original Specifications without advertising for further Bids or to re-advertise based on such Alternative Bids when in the best interests of the City. An Alternative Bid must be submitted on the same forms provided by the Purchasing Agent, with adequate information for the City to evaluate the costs and benefits.

7. Duration of Offer

   By submission of a Bid, Bidder guarantees that the offer is firm for 90 calendar days, commencing the day following the date of Bid Closing. If an Award is not made during that period, the Bid shall automatically extend for another 90 days, unless the Bidder indicates otherwise to the contact person listed on the cover page of the Bid in writing thirty days prior to the then current 90 day period.

8. Delivery

Delivery shall be made in accordance with the Contract Documents. If a delivery date is not specified by the City, Bidder shall state a delivery date or number of days, including Saturdays, Sundays and holidays, after receipt of order. The City, in its sole discretion, may extend the time for delivery in accordance with Section F.5 of these General Provisions. The City may order, in writing, the suspension, delay, or interruption of delivery of goods or services. Contractor shall be compensated in accordance with auditable costs for services or products provided prior to notification of delay, suspension, or interruption of delivery goods or services.

9. Prices

a. Unless called for in the Specific Provisions, no escalation factor is allowed. If escalation is allowed, the Contractor must notify the City in writing, in the event of a decline in market price(s) below the Bid Price and the City will make an adjustment, in the Contract Amount or elect to re-bid.

b. Unless the Bidder clearly indicates that the price is based on consideration of being awarded the entire lot and that an adjustment to the price was made based on receiving the entire Bid, any difference between the unit price correctly extended and the total price shown for all items bid shall be resolved in favor of the unit price.

10. Confidential Information

Any information submitted with a Bid is a public record subject to disclosure unless a specific exemption applies. If a Bidder submits information clearly marked confidential or proprietary, it will be protected and treated with confidentiality to the extent permitted by law. However, it will be the Bidder's obligation and expense to defend any legal challenges seeking to obtain said information.

11. Signature

All Bids must be signed with the firm name as indicated. A Bid by a corporation must be signed by a duly authorized officer, employee or agent, with his or her title. The representative signing on behalf of a corporation, partnership, sole proprietorship, joint venture or entity hereby declares that authority has been obtained to sign on behalf of the corporation, partnership, sole proprietorship, joint venture, or entity and agrees to hold the City harmless, if it is later determined that such authority does not exist. An original signature, in ink, is required. Copies and facsimiles are not acceptable.

12. Guarantee of Good Faith

If a Guarantee of Good Faith is required, any of the following may be submitted in the amount specified made payable to the City: a certified check; a bank or postal money order; or a bid bond executed by a corporation authorized to issue surety bonds in the State of California. Failure to submit an acceptable Guarantee of Good Faith with the Bid will automatically render it void.

13. Faithful Performance Bond

The Apparent Successful Bidder may be required to furnish the City with a surety bond conditioned upon the faithful performance of the Contract. This may take the form of a bond executed by a surety company authorized to do business in the State of California and approved by the City, an endorsed Certificate of Deposit, or a money order or a certified check drawn on a solvent bank. The bond shall be in a sum equal to 25 percent of the Amount of the Contract, unless stated differently in the Specific Provisions. The City may file a claim against such bond or deposit in the event the Contractor fails or refuses to fulfill all terms and conditions of the Contract.

14. Taxes

The City will furnish Exemption Certificates for Federal Excise Tax. The City is liable for State, City, and County Sales Taxes. Do not include this tax in the Amount bid; it will be added to the net amount invoiced. All or any portion of the City Sales Tax returned to the City will be considered in the evaluation of Bids.

15. Taxpayer Identification Number

I.R.S. regulations require the City of San Diego to have the correct name, address, and Taxpayer Identification Number (TIN) or Social Security Number (SSN) on file for businesses or persons who provide services or products to the City of San Diego. This information is necessary to complete Form 1099 at the end of each tax year.

In order to comply with I.R.S. regulations, the City of San Diego requires each vendor to provide a Form W-9 prior to Award of Contract. Failure to provide a completed Form W-9 within ten (10) business days of the City's request may result in a Bid being declared non-responsive and rejected.

16. Business Tax License

Any company doing business with the City is required to comply with Section 31.0301 of the San Diego Municipal Code regarding Business Tax. For more information, please visit the City of San Diego website at http://www.sandiego.gov/.

D. BID MODIFICATION OR WITHDRAWAL

1. Verify Quotations

Bidder shall verify all prices and extensions before submitting a Bid. Withdrawal or correction will not be permitted except as provided below.

2. Modification or Withdrawal of Bids

Prior to the exact hour and date set for Bid Closing, Bids may be modified or withdrawn by providing written notice by either the Bidder, or an authorized representative. Telephonic withdrawals or modifications are not permitted.

3. Mistake in Bid

a. After the Bid Closing the Purchasing Agent may reject any and all requests for correction of mistakes. A modification of the Bid will only be considered as provided in subsection b below. The Purchasing Agent's decision is final.

b. A request by the Apparent Successful Bidder to modify their Bid in order to correct a mistake may be considered when: (1) the mistake in Bid is clearly evident and provable; (2) no more than three working days have elapsed since Bid Closing; (3) no Purchase Order has been issued; and (4) the Bid remains the low and best Bid after the correction is made. If, as a result of the correction, the Bidder is no longer the Apparent Successful Bidder, the City will award to the newly established Apparent Successful Bidder.

E. EVALUATION OF BIDS AND AWARD OF CONTRACT

1. Evaluation of Bids

a. Award will be made to the low and most acceptable Bid which best meets the City's requirements (Apparent Successful Bidder) based upon the following: Bidder's past performance, total cost, most economic by cost analysis, life cycle costs, warranty, quality, maintenance cost, durability, the operational requirements of the City and any other factors which will result in the optimum economic benefit to the City.

b. The City may require additional written or oral information from Bidders to clarify responses. Unless the Bidder clearly specifies otherwise, the City may elect to award more than one Contract, by awarding separate items or groups of items to various Bidders. Awards will be made for the items, or combinations of items, which result in the lowest aggregate price and/or best meet the City's requirements. The additional administrative costs associated with awarding more than one Contract will be considered in the determination.

c. The City may elect to waive informalities, technical defects and minor irregularities in Bids and may reject all Bids when to do so is in the best interest of the City.

2. Announcement of Award

The City will inform all Bidders of its Intent to Award a Contract in writing.

3. Protests

If an unsuccessful Bidder wants to dispute the Award, the Protest must be submitted in writing to the Purchasing Agent no later than ten calendar days after Announcement of the Apparent Successful Bidder, detailing the grounds, factual basis and providing all supporting information. Failure to submit a timely written Protest to the Purchasing Agent will bar consideration of the Protest.

4. Award of Contract

Once the City issues a letter of Award to the Apparent Successful Bidder, a binding Contract is deemed executed by all Parties, subject only to the Bidder providing all requisite documentation, such as certificates of insurance and bonds, to the Purchasing Division within ten (10) calendar days. Failure to provide requisite information or documents may result in the Apparent Successful Bid being rejected as non-responsive.

F. STANDARD OF PERFORMANCE

1. Industry Standard

Services performed and goods provided, must be acceptable to the City, in strict conformity with all instructions, conditions, and terms of the Contract Documents and performed in accordance with the standards customarily adhered to by an experienced and competent professional using the degree of care and skill ordinarily exercised by reputable professionals practicing in the same field of service in the State of California. Where approval by the City, the City Manager, or other representatives of the City is required, it is understood to be general approval only and does not relieve the Contractor of responsibility for complying with all applicable laws, codes, and good business practices.

2. Inspection and Acceptance

   Inspection and acceptance will occur at destination unless specified otherwise, and will be made by the City department shown in the shipping address of the Purchase Order or other duly authorized representative of the City.

3. Responsibility for Lost or Damaged Shipments

   Risk of loss or damage to goods prior to the time of their receipt and acceptance by the City is upon the Contractor. The City has no obligation to accept damaged shipments and reserves the right to return, at the Contractor's expense, damaged goods even though the damage was not apparent or discovered until after receipt.

4. Responsibility for Damages

   The Contractor shall be responsible for all damages to people and/or property that occur as a result of the fault or negligence of Contractor or Contractor's employees in connection with the performance of this contract. Contractor shall immediately report any damages to people and/or City property to the Contract Administrator.

5. Delay

   a. The Contractor shall immediately notify the City in writing if there are, or it is anticipated, that there will be a delay in performance. The written notice shall include an explanation of the cause for, and a reasonable estimate of the length of the delay. If in the opinion of the City, the delay is material, the City may terminate this Contract as provided in Section G.2.

   b. If delays in the performance are caused by unforeseen events beyond the control of the parties, such delay may entitle the Contractor to a reasonable extension of time, but such delay shall not entitle the Contractor to damages or additional compensation. Any such extension of time must be approved in writing by the City. The following conditions may constitute such a delay: war; changes in law or government regulation; labor disputes; strikes; fires, floods, adverse weather or other similar condition of the elements necessitating cessation of the performance; inability to obtain materials, equipment or labor or other specific reasons agreed to between the City and the Contractor; provided, however, that: (a) this provision shall not apply to a delay caused by the acts or omissions of the Contractor; and (b) a delay caused by the inability to obtain materials, equipment, or labor shall not entitle the Contractor to an extension of time unless the City has received, in a timely manner, documentary proof satisfactory to City of the Contractor's inability to obtain materials, equipment, or labor.

6. Warranties

   a. All goods and services provided under the Contract shall be warranted by Contractor and/or manufacturer for at least twelve (12) months after Acceptance by City, except automotive equipment, which will be warranted for a minimum of 12,000 miles or 12 months, whichever occurs first, unless stated differently in the Specific Provisions.

   b. Contractor shall be responsible to the City for all warranty service, parts and labor. Contractor is responsible for ensuring that warranty work is performed at a facility acceptable to City and that services, parts and labor are available and provided to meet City's schedules and deadlines. Contractor may establish a warranty service contract with an agency satisfactory to City instead of performing the warranty service itself.

7. Compliance with All Laws and Codes

   Performance under this Contract shall comply with all applicable laws of the United States of America, the State of California, the County of San Diego, the City, as well as all applicable City policies.

8. Consequences of Violations of Law

   Any acts or omissions of Contractor in violation of federal, state, or municipal law, City Charter, City Policies or regulations [regarding anti-competitive practices, unfair trade practices, collusion, gratuities, kickbacks, contingent fees, contemporaneous employment, or similar violations creating an unfair influence on the public bidding and award process pertaining to this Contract] shall void this Contract. In addition to all other remedies or damages allowed by law, Contractor is liable to City for all damages, including costs for substitute performance, and is subject to Suspension and Debarment.

9. Conflict of Interest

   By submission of a Bid, the Bidder warrants that there has been no direct, or indirect involvement in the procurement process pertaining to this Bid by a City employee, or member of the employee's immediate family, or elected or appointed member of City government, with a financial interest or other personal interest incompatible with the proper discharge of their official duties or an arrangement concerning prospective employment with Bidder. In the event such a conflict occurs, it must be reported immediately to the Purchasing Agent. A breach of this warranty may render this Contract void with remedies including, but not limited to recovery of all direct and indirect damages, Suspension or Debarment.

10. Drug Free Workplace

All City projects are subject to Council Policy No. 100-17, Drug-Free Workplace. This policy requires that all City construction contractors, consultants, grantees, and providers of non-professional services provide a drug-free workplace in accordance with the provisions contained therein. The Drug-Free Workplace Policy is available online at www.sandiego.gov/purchasing or via request from the Purchasing Division by calling (619) 236-6000. By submitting a Bid, the Bidder represents that they have read and understood the meaning, intent, and requirements of said policy; and agree that said policy is incorporated as part of this Bid; certify that they have a drug-free workplace program in place that complies with said policy; and that subcontractor agreements contain language which indicates the subcontractor's agreement to comply with this policy.

11. American with Disabilities Act

a. Every person or organization awarded a contract, lease, or grant by the City must agree that they are aware of and will comply with Council Policy 100-04, adopted by Resolution No. 282153 relating to the federally mandated Americans with Disabilities Act (ADA). Contractors and subcontractors will be individually responsible for their own ADA program.

b. In compliance with Council Policy 000-03, adopted by Resolution No. 279130, sign language or oral interpreting services are available at pre-bid meetings and Bid Closings with a five (5) business day notice to Purchasing Agent at (619) 236-6000 or email at Purchasing@sandiego.gov.

12. Equal Employment Opportunity and Nondiscrimination

a. Contractor shall not discriminate against any employee or applicant for employment on any basis prohibited by law. Contractor shall provide equal opportunity in all employment practices. Contractor shall also ensure that their subcontractors comply with the City's Equal Employment Opportunity Program. Contractor agrees to be bound by the City Equal Opportunity Ordinance (Municipal Code Chapter II, Article 2, Division 27). Contractor shall submit a Work Force Report or an Equal Employment Opportunity Plan, within five (5) days of being notified by the Purchasing Agent. For questions regarding the City's Equal Employment Opportunity Program, contact the Equal Opportunity Contracting Office at (619) 533-4464.

b. Contractor shall not discriminate on the basis of race, gender, religion, national origin, ethnicity, sexual orientation, age, or disability in the solicitation, selection, hiring or treatment of subcontractors, vendors or suppliers. Contractor shall provide equal opportunity for subcontractors to participate in subcontracting opportunities.

c. Bidder shall include in the Bid a list of all instances within the past ten (10) years where a complaint was filed or pending against Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors, or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

Upon the City's request, Contractor agrees to provide to the City, within sixty (60) calendar days, a truthful and complete list of names of all subcontractors, vendors, and suppliers that Contractor has used in the past five (5) years on any of its contracts that were undertaken within San Diego County, including the total dollar amount paid by Contractor for each subcontract or supply Contract. Contractor further agrees to fully cooperate in any investigation conducted by the City pursuant to the City's Nondiscrimination in Contracting Ordinance (Municipal Code Sections 22.3401 - 22.3417). Contractor understands and agrees that violation of this clause shall be considered a material breach of the Contract and may result in termination, Debarment, or other sanctions. This language shall be included in all contracts with subcontractors related to this Contract.

13. Cooperative Environment

Contractor shall be responsible for working in harmony with all others involved with this Contract. Employees and agents of Contractor shall, while on the premises of the City, comply with all City rules and regulations.

14. Storm Water Pollution Prevention Program

All Contractors shall comply with San Diego Municipal Code Section 43.0301, Storm Water Management Discharge Control, and any and all Best Management Practice guidelines and pollution elimination requirements as may be established by the Enforcement Official, in performing or delivering services at City owned, leased, or managed property, or in performance of services and activities on behalf of the City of San Diego regardless of location.

G. DISPUTES AND TERMINATION

1. Disputes

Except as otherwise provided in this Contract, any dispute concerning a question of fact arising under this Contract shall be decided by the Purchasing Agent. The decision of the Purchasing Agent is final and conclusive unless, within thirty days from the date of receipt of such decision, the Contractor mails or otherwise furnishes to the Purchasing Agent a written appeal addressed to the City Manager. The decision of the City Manager, or his duly authorized representative for the determination of such appeals, is final and conclusive. In connection with any appeal proceeding under this clause, the Contractor shall be afforded an opportunity to be heard and to offer evidence in support of his appeal. Pending final decision of a dispute hereunder, the Contractor shall proceed diligently with the performance of the Contract and in accordance with the Purchasing Agent's decision.

2. Termination for Default

a. The City may, by written notice of default to the Contractor, terminate the whole, or any part of, this Contract, provided that Contractor fails to cure such default within ten days after receipt of such notice. The following are considered defaults:

(1) Failure to make delivery of the goods or to perform the services within the time specified; or

(2) Failure to perform any of the obligations of this Contract, or to make progress in performance which may jeopardize full performance.

b. In the event the City terminates this Contract, in whole or in part, the City may procure, upon such terms and in such manner as the Purchasing Agent may deem appropriate, goods or services and the Contractor shall be liable to the City for any excess costs. The Contractor shall also continue performance to the extent not terminated.

3. Termination for Bankruptcy or Assignment for the Benefit of Creditors

If the Contractor files a voluntary petition in bankruptcy, is adjudicated bankrupt, or makes a general assignment for the benefit of creditors, the City may at its option and without further notice to or demand upon the Contractor, immediately cancel and/or terminate this Contract, and terminate each and every right of the Contractor, and any person claiming any rights by or through the Contractor. The rights and remedies of the City enumerated in this section are cumulative and shall not limit, waive, or deny any of the City's rights under any other provision of this Contract. Nor does this waive or deny any right or remedy, at law or in equity, existing as of the date of this Contract or hereinafter enacted or established, that may be available to the City.

4. Termination for Convenience

   The Purchasing Agent, by written 30 day notice, may terminate this Contract, in whole or in part, when it is in the best interest of the City. Contractor shall be compensated in accordance with auditable costs for services or products provided prior to notification of termination.

5. Annual Appropriation of Funds

   a. Multi-year Contracts are subject to annual appropriation of funds by the City Council. Purchase Orders are funded when issued, so are not subject to any subsequent appropriation of funds. All goods and services will be ordered by means of a Purchase Order or through a Procurement Card transaction.

   b. In the event sufficient funds are not appropriated for the next fiscal year, the Contract may be terminated at the end of the current fiscal year. The City shall not be obligated to make further payments. In the event of termination or reduction of services or quantity of goods, Contractor shall be compensated in accordance with auditable costs for services or products provided prior to notification of termination.

6. Debarment Proceedings

   During Debarment proceedings Contractor may be suspended. Proceedings may result in Debarment of a Contractor for a period of not more than 3 years or it may be permanent as provided in Municipal Code Sections 22.0800, et seq.

H. GENERAL CONTRACTUAL OBLIGATIONS

1. Indemnification and Hold Harmless Agreement

With respect to any liability, including but not limited to claims asserted or costs, losses, attorney fees, or payments for injury to any person or property caused or claimed to be caused by the acts or omissions of the Contractor, or the Contractor's employees, agents, and officers, arising out of performance involving this Contract, the Contractor agrees to defend, indemnify, protect, and hold harmless the City, its agents, officers, and employees from and against all liability. Also covered is liability arising from, connected with, caused by, or claimed to be caused by the active or passive negligent acts or omissions of the City, its agents, officers, or employees which may be in combination with the active or passive negligent acts or omissions of the Contractor, its employees, agents or officers, or any third party. The Contractor's duty to defend, indemnify, protect and hold harmless shall not include any claims or liabilities arising from the sole negligence or sole willful misconduct of the City, its agents, officers or employees.

2. Insurance

a. The City and its respective elected officials, officers, employees, agents, and representatives shall be named as additional insured in all policies and coverage as required in the Specific Provisions. The City's additional insured status must be reflected on appropriate additional endorsement form which shall be submitted to the City for approval.

b. All policies must have a thirty-day non-cancellation clause, giving the City thirty days prior written notice in the event the policy is canceled. Policies can not be materially changed without thirty calendar day's prior written notice to the City by certified mail.

c. The requisite polices are primary and non-contributory to any insurance that may be carried by the City, as reflected in an endorsement with shall be submitted to the City for approval.

d. At the end of each Contract year, the City may review insurance and bond coverage to determine if a change is required based on a risk assessment, Contractor performance and the availability and affordability of coverage.

3. Contract Modifications

The Purchasing Agent may at any time, by written order, and without notice to the sureties, amend the Contract or the Purchase Order. If the proposed Amendment will cause an increase or decrease in the cost or the time required for performance, an equitable adjustment shall be included.

4. Examination and Retention of Records

   a. The Contractor shall retain and maintain all records and documents relating to City Contracts for three years after receipt of final payment by the City or any applicable statute of limitation, whichever is longer, and shall make them available for inspection and audit by authorized representatives of the City, including the Purchasing Agent or designee.

   b. The Contractor shall make available all requested data and records at reasonable locations within the City or County of San Diego, at any time during normal business hours, and as often as the City deems necessary. If records are not made available within the City or County of San Diego, the Contractor shall pay the City's travel costs to the location where the records are maintained. Failure to make requested records available for audit by the date requested may result in termination of the Contract.

   c. Contractor must include Sections H.4.a. and b. of these provisions in all subcontract documents exceeding $5,000.

5. Public Agency

   Other public agencies as defined by Cal. Gov. Code § 6500 may choose to use the Terms of this Contract, subject to the Contractor's acceptance. The City is not liable or responsible for any obligations related to a subsequent agreement between the Contractor and another public agency. If agreements are entered into by other agencies and the Contractor, Contractor shall furnish the City with an annual report showing the name of the agencies, contact person and phone number for each agency, and details of goods or services provided, including quantities. This report shall be furnished to the City on the anniversary date of the Award of the Contract.

6. Product Endorsements

   Bidder is prohibited from indicating, either directly or by implication, that the City has endorsed its goods or services without prior written authorization by the City.

7. Invoices

Contractor will be paid monthly, in arrears, for work or materials provided in accordance with the specifications. Billing shall be in accordance with the current Pricing Agreement, allowing for City approved adjustments, if any. Invoices shall be submitted in duplicate with an original and copy clearly identified to the Contract Administrator or designee, at the address specified on the Purchase Order(s). For services, invoices shall be submitted by the 10th of the month following the month in which services were provided, detailing the dates for which services were provided. For materials and equipment, invoices shall be submitted within seven days of the shipment of goods. The invoice shall reference the Purchase Order number, include a description of the work performed by location and/or section or a listing of materials provided, and state the total invoice cost.

If applicable, any extra-ordinary labor charges for services shall be included on the invoice. A description of the extra-ordinary work to include the location/and or section work was performed shall be provided. Contractor must attach written authorization from the Contract Administrator approving extra-ordinary work. Failure to do so will result in payment being withheld for such services. The extra-ordinary labor cost shall be as stated on the current Pricing Agreement.

If applicable, for parts delivered, invoices shall list the manufacturer of the part, manufacturer's published list price, percentage discount applied per the Contract's pricing agreement, and the net price to the City as well as item description, quantity, and extension.

8. Procurement Card Transactions

The City may opt to purchase supplies and services via a city-issued Procurement Card. Within 30 days of the City utilizing Procurement Cards as a payment vehicle, the contractor is required to have a credit card reader capable of transmitting Procurement Card transactions at Level 4, which identify the items purchased by the City.

For purchase verification, the City shall receive an itemized receipt and the respective transaction slip.

9. Integration

The Contract Documents fully express all understandings of the parties concerning the matters therein. No verbal understanding of the parties, their officers, agents, or employees shall be valid unless made in the form of a written change agreed to in writing in accordance with Section H.3 of these provisions parties.

10. Severability

The unenforceability, invalidity, or illegality of any provision of the Contract Documents shall not render any other provision unenforceable, invalid, or illegal.

11. Waiver

The failure of the City to enforce a particular condition or provision of this Contract shall not constitute a waiver of that provision or condition or its enforceability.

12. Covenants and Conditions

All provisions in the Contract Documents expressed as either covenants or conditions, shall be deemed to be both covenants and conditions.

13. Headings

All article headings are for convenience only and shall not affect the interpretation of these Contract Documents.

14. Non-Assignment

The Contractor shall not assign the obligations under this Contract, whether by express assignment or by sale of the company, nor any monies due or to become due, without the City's prior written approval. Any assignment in violation of this paragraph shall constitute a default and is grounds for immediate termination of this Contract, at the sole discretion of the City. In no event shall any putative assignment create a contractual relationship between the City and any putative assignee.

15. Subcontractors

All persons assigned to this contract, including Subcontractors, will be considered as employees of the Contractor and the Contractor shall be held directly responsible for their work.

16. Independent Contractors

The Contractor and any subcontractors employed by the Contractor shall be independent contractors and not agents of the City. Any provisions in the Contract Documents that may appear to give the City any right to direct the Contractor concerning the details of performance, or to exercise any control over such performance, shall mean only that the Contractor shall follow the direction of the City concerning the end results of the performance.

17. Jurisdiction, Venue, and Attorney Fees

The venue for any suit or proceeding concerning Bids or the Contract Documents, the interpretation or application of any of its Terms, or any related disputes shall be in the County of San Diego, State of California. The prevailing party in any such suit or proceeding shall be entitled to a reasonable award of attorney fees in addition to any other award made in such suit or proceeding.

18. Successors in Interest

This Contract and all rights and obligations created by this Contract shall be in force and effect whether or not any parties to the Contract have been succeeded by another entity, and all rights and obligations created by this Contract shall be vested and binding on any party's successor in interest.

19. Notices

Notices under this Contract shall be in writing and shall be considered effective upon personal delivery to the individual listed below or five (5) calendar days after deposit in any U.S. mailbox, first class and addressed to the other party as follows:

For the City of San Diego:

Purchasing Agent
City of San Diego Purchasing Division
1200 3rd Ave Ste 200
San Diego CA 92101-4195

20. Software Licensing

Contractor represents and warrants that the software, as delivered to the City, does not contain any program code, virus, worm, trap door, back door, timer, or clock that would erase data or programming or otherwise cause the software to become inoperable, inaccessible, or incapable of being used in accordance with its user manuals, either automatically, upon the occurrence of Licensor-selected conditions, or manually on the command of.

21. Intellectual Property

a. Contractor understands and agrees that any and all materials and deliverables that are subject to copyright protection that are developed in connection with the performance of this Contract shall constitute a work for hire as that term is defined in the Copyright Act of 1976, as amended. As a result, all right, title and interest in and to all such Works shall belong exclusively to the City, including without limitation all copyrights and other intellectual property rights therein. If for any reason a Work is not deemed to be a work for hire, Contractor hereby grants, transfers, sells and assigns, free of charge, exclusively to the City, all title, rights and interest in and to said Work, including all copyrights and other intellectual property rights. The Contractor further agrees to execute and deliver to the City a confirmatory grant and assignment of all rights in and to Works and to execute any other proper document the City deems necessary to ensure the complete and effective transfer of all rights in Works to the City.

b. In accordance with the preceding paragraph, Works developed for the City connection with this Contract are the exclusive property of the City. Contractor agrees to deliver all Works to the City upon completion of the work. Works include but are not limited to editorial drafts, original copy, photographs, proofs, corrected proofs, camera-ready boards and similar editorial materials and all negatives, flats, engravings, photostats, drawings and other production materials. For information technology procurements Works include but are not limited to executable code, source code, fixes, patches, updates, upgrades, documentation embedded or otherwise, original copy, and other production materials. Contractor shall be responsible for delivering all Works to the City no later than fifteen (15) working days from the date of final Contract deliverables. In the event the Contractor fails to return all such materials by this deadline and the City desires to use Works again, Contractor shall provide the City with equivalent materials, at its own expense, or reimburse the City, in full, for the cost of developing equivalent materials.

c. The Contractor represents and warrants that any materials or deliverables, including all Works, provided under this Contract are either original, not encumbered and do not infringe upon the copyright, trademark, patent or other intellectual property rights of any third party, or are in the public domain. If deliverables, materials or Works provided hereunder become the subject of a claim, suit or allegation of copyright, trademark or patent infringement, City shall have the right, in its sole discretion, to require Contractor to produce, at Contractor's own expense, new non-infringing materials, deliverables or Works as a means of remedying any claim of infringement in addition to any other remedy available to the City under law of equity.

EXHIBIT
EC

CITY OF SAN DIEGO

PURCHASING & CONTRACTING DEPT.
1200 Third Avenue, Suite 200
San Diego, CA 92101-4195

Bid No. 10008789-11-E

REQUEST FOR BID

ADDENDUM B

Closing Date: May 9, 2011 @ 3:00 pm P.T.

Subject: Furnish the City of San Diego with Automated Refuse Packers

Timeline: As may be required for a period of one (1) year from date of award, with options to renew for four (4) additional one (1) year periods, in accordance with the attached specifications.

Note: Mandatory Pre-Bid Conference – See Page 6 for Details.

LOS ANGELES TRUCK CENTER LLC dba

Company SAN DIEGO FREIGHTLINER

Federal Tax I.D. No. 94-3303320

Street Address 6006 MIRAMAR RD.

City SAN DIEGO

State CA Zip Code 92121-2542

Tel. No. 562-447-1515 Fax No. 562-447-1544

E-Mail RCreighton@lafreightliner.com

If your firm is not located in California, are you authorized to collect California sales tax? X Yes _____ No

If Yes, under what Permit # SRYAP 97-268711

City of San Diego Business Tax Certificate #: B2003000658

Name RON CREIGHTON [PRINT OR TYPE]

Signature* Ron Creighton

Title MUNICIPAL SALES

Date MAY 6, 2011

***Authorized Signature:** The signer declares under penalty of perjury that she/he is authorized to sign this document and bind the company or organization to the terms of this agreement.*

SUBMITTED BIDS MUST HAVE AN ORIGINAL SIGNATURE.

The City's Standard Payment Terms are Net 30 Days. However the City will accept the following payment terms and they will be considered for bid evaluation:

1% 20 days____. 2% 20 days____, 3% 20 days____, 4% 20 days____, 5% 20 days____, 10% 20 days____, 15% 20 days____, 20% 20 days____.

Please check terms offered if other than Net 30 Days

State delivery time required: 180-220 days after receipt of order.

FOR CONSIDERATION AS A RESPONSIVE BID, THE FOLLOWING IS REQUIRED:

1) **Bid must be submitted on official City bid forms.**
2) **All information on this Request for Bid cover page must be completed.**
3) **This cover page must be signed with an original signature.**
4) **All bidders must complete and submit the Vendor Registration Form with their bid.**
5) **Bid must be submitted on or before the exact closing date and time. Bid received after the exact closing date and time will NOT be considered. If hand delivering, please allow enough time for travel and parking to submit by the closing date and time.**

FOR FURTHER INFORMATION CONCERNING THIS BID, PLEASE CONTACT:

BEVERLY ASBILL-GUMBS/ylk, Procurement Specialist

Phone: (619) 236-5923 Fax: (619) 533-3225 Email: BAsbillGumbs@sandiego.gov

TABLE OF CONTENTS

I. Pricing Page

A. Section 1 – Automated Refuse Packers 4
B. Section 2 – Camera System for Front Loading Refuse Packers 5
C. Section 3 - Laptop Computer and Diagnostic Tools 5

II. Specific Provisions

A. Mandatory Pre-bid Conference 6
B. Questions and Comments 6
C. Pricing 6
D. Award 6
E. Award Evaluation 6
F. Ordering 7
G. Submittals 7
H. Option to Renew 8
I. Price Adjustment Clause for Option Renewal 9
J. Insurance Requirements 9
K. Warranty Bond 11
L. Liquidated Damages 12
M. Equals Clause 12
N. Quantities 13
O. Recycled Material Content 13
P. References/Qualifications 13
Q. General Provisions 13
R. Small Emerging Local Business Program 14
S. Business Tax Certificate 14
T. Contractor Standards 14
U. Equal Benefits 15

III. General Requirements

A. Pre-Production Meeting 16
B. Vehicle/Equipment Registration and License Plates 16
C. Delivery 17
D. Equipment and Vehicle Financing Program 17
E. Warranty 17
F. Optional Extended Refuse Body Warranty 18
G. Parts Stipulation 19
H. Keys 20
I. Equipment Specification Brochure 20
J. Equipment Specifications Checklist 20
K. Equipment Demonstration 20
L. Labels 21
M. Code Compliance 21

TABLE OF CONTENTS *(Cont.)*

N. Engine Emissions Requirements 21
O. Changes in Emissions Requirements 21
P. Federal Excise Tax 21
Q. Performance Summary 21
R. Manufacturers Certified Training Classes 21
S. Approval Drawing 22
T. Performance Tests and Requirements 22
U. Failure to Meet Tests and Requirements 22
V. Manuals and Technical Information 23
W. Video/CD-R Training Guides 23
X. Component Substitution and Mounting Stipulation 23

IV. Specifications and Checklist For Automated Refuse Packers

A. General 24
B. General Cab and Chassis 34
C. Special Requirements 38
D. Automated Refuse Packer Body 40
E. Laptop Computer and Diagnostic System 55

Forms

Bidder's References 56
Bidder's Statement of Subcontractors 58
Warranty Acknowledgement Form 59
Bidder's Statement of Financial Responsibility 60
Contractor/Vendor Registration 61
Work Force Report 64
Contractor Standards Pledge of Compliance 70
Equal Benefits Ordinance 75

Attachment

Attachment A – Equipment and Vehicle Financing Program 76
Attachment B – Ground Reaction and Specification Chart 80

I. PRICING PAGE

A. SECTION 1 – AUTOMATED REFUSE PACKERS

Est. Annual Qty.	U/M	Description	Unit Cost	Extension
20	EA	Automated Refuse Packer (as specified in Sections IV). Delivery Time: 180-220 Calendar Days ARO. Cab and Chassis Manufacturer: AUTOCAR Model: ACX Engine Manufacturer: CUMMINS Model: ISL 345 HP @ 2100 RPM 1150 FT-LBS Transmission Manufacturer: ALLISON Model: 4500 RDS 6 SPEED Body/Arm Manufacturer: AMREP INC. Model: AMHASLTPO-19 Warranty Period: Cab/Chassis 1 YR. REFER TO AUTOCAR WARRANTY SHEET Engine 5 YR./ 150,000 MILES Transmission 4 YR./UMLIMITED Packer Body 1 YR AS SPECIFIED IN BID SECTION 3 Packer Hydraulic Pump 1 YR AS SPECIFIED IN BID SECTION 3 Packer Hydraulic Cylinder 1 YR AS SPECIFIED IN BID SECTION 3 Packer Hydraulic Hoses 1 YR AS SPECIFIED IN BID SECTION 3 The following is for information only and will not be included in the award evaluation: Pricing for optional incremental six (6) year Refuse Body Warranty (as specified in Section III, paragraph F): $ 20,000.00	$217,226.44	$4,344,528.80

B. SECTION 2 – CAMERA SYSTEM FOR AUTOMATED REFUSE PACKERS

Est. Annual Qty.	U/M	Description	Unit Cost	Extension
20	EA	Color Camera System, including installation (as specified in Section IV, paragraph D, item 15). Camera Manufacturer: INTEC Model: CVC 470 HXL Co-axial Cable Manufacturer: INTEC Model: CVXLP21MA Monitor Manufacturer: INTEC Model: CVD640LCD Swivel Mounting Bracket Manufacturer: INTEC Model: CVSBN Warranty Period: CAMERA 6 YRS; MONITOR 2YRS; CONTROLLER 1 YR; REMOTE 2 YRS; CABLE NO WARRANTY	$ 4,025.00	$ 80,500.00

C. SECTION 3 - LAPTOP COMPUTER AND DIAGNOSTIC TOOLS

Est. Annual Qty.	U/M	Description	Unit Cost	Extension
1	EA	Cost to provide Laptop Computer and diagnostic Tools (as specified in Section IV, paragraph E). Manufacturer: DELL Model: D620 Warranty Period: 1 YEAR	$ 2,700.00	$ 2,700.00

D. SECTION 4 – DIGITAL MOBILE RADIO SYSTEM

Est. Annual Qty.	**U/M**	**Description**	**Unit Cost**	**Extension**
1	EA	**Cost to provide Digital Mobile Radio System (as specified in Section IV, paragraph 3.a).** **Manufacturer:** MOTOROLA **Model:** XTL1500 **Warranty Period:** 2 YEAR EXTENDED	$ 2,403.00	$ 2,403.00

TOTAL SECTIONS 1 - 4: $ 4,420,131.80

II. SPECIFIC PROVISIONS

A. MANDATORY PRE-BID CONFERENCE

All Bidders must attend the pre-bid conference of the proposed maintenance sites. The pre-bid conference will be held at City of San Diego Purchasing & Contracting Department, Large Conference Room located at 1200 Third Avenue, Suite 200, San Diego, CA 92101-4195 on April 6, 2011 at 10:00 a.m.

Bids will not be accepted from Bidders who do not attend the mandatory pre-bid conference, nor from Bidders who arrive after the pre-bid conference has started. For further information contact Beverly Asbill-Gumbs at (619) 236-5923. Allow one (1) hour for the pre-bid conference.

B. QUESTIONS AND COMMENTS

Questions and comments regarding this bid must be submitted in writing to City of San Diego, Purchasing & Contracting Department, ATTN: Beverly Asbill-Gumbs, 1200 Third Avenue, Suite 200, San Diego, CA 92101; or by fax to (619) 533-3225; or by e-mail to BAsbillGumbs@sandiego.gov, no later than 5:00 p.m. on Thursday, April 7, 2011.

C. PRICING

Prices quoted shall include all delivery charges, and shall be FOB Destination to the delivery point: (Attn: Motive Equipment Engineer, Fleet Services)

General Services, Fleet Services
2740 Caminito Chollas
San Diego, CA 92105-5039

D. AWARD

This bid shall be awarded on an item by item basis, or in any group or combination of items, or as a lot, to the most responsive and responsible Bidder whose bid best conforms to the Request for Bid (RFB) and is most advantageous to the City of San Diego ("City"), as may be in the best interest of the City, all factors considered (as specified in Section II, paragraph E).

E. AWARD EVALUATION

Evaluating criteria will include, but are not limited to the following:

1. Total vehicle cost.
2. Ability to meet all bid specifications as designated.
3. Warranty.
4. Previous experience providing similar vehicles to local governments.
5. Ability to meet vehicle delivery schedule.

F. ORDERING

- Pricing Page - Sections 1 and 2

  The City anticipates that orders will be placed throughout the contract period and the estimated total quantities are based on past experience. The City reserves the right to order all of one (1) type of refuse packer or any combination of the types, as may be in its best interest.

G. SUBMITTALS

1. BID SUBMITTAL

   Bids must be returned in a sealed envelope to the Purchasing & Contracting Department, 1200 Third Avenue, Suite 200, San Diego, CA 92101. The bid number and closing date/time must be referenced on the outside of the envelope (lower left corner). Bids must be received by the Purchasing & Contracting Department Reception Desk prior to bid closing at 3:00 p.m. on bid closing date. Faxed bids will not be accepted.

   The original and two (2) copies of bid, including any attachments, shall be submitted.

2. SUBMITTALS REQUIRED WITH BID

   Failure to provide the required submittals with the bid shall be cause for the bid to be rejected as non-responsive.

   a. Bidder's References (as specified in Section II, paragraph P).
   b. Bidder's Statement of Subcontractors (as specified in Section II, paragraph P).
   c. Bidder's Statement of Financial Responsibility (as specified on Section II, paragraph P).
   d. Contractor Standards Pledge of Compliance (as specified in Section II, paragraph T).
   e. Warranty Acknowledgement Form (as specified in Section III, paragraph E).
   f. Copy of Manufacturer's Warranty for all equipment (as specified in Section III, paragraph E).
   g. Copy of Extended Warranty if applicable (as specified in Section III, paragraph F).
   h. Equipment Specification Brochure (as specified in Section III, paragraph I).
   i. Equipment Specifications Checklist (as specified in Section III, paragraph J).
   j. NOX and Particulate Matter Standards (as specified in Section III, paragraph N).
   k. Performance SCAAN Summary (as specified in Section III, paragraph Q).
   l. Contractor/Vendor Registration (use form in Forms page).
   m. Ground Reaction and Specifications Chart. (use form in Attachment Section)
   n. Equal Benefit Form (use form in Forms page).

3. SUBMITTALS REQUIRED UPON PROVISIONAL AWARD

Failure to provide the following documentation within the time period specified may be cause for the provisional award to be voided and the bid to be rejected as non-responsive.

a. Insurance and Bond Requirements as specified in City of San Diego General Provisions, Section II, paragraph J, if not currently on file.

b. Taxpayer Identification Number (W-9) as specified in City of San Diego General Provisions, Section C, paragraph 15, if not currently on file.

c. Business Tax Certificate as specified in Section II, paragraph S, if not currently on file.

d. Work Force Report (use form in Forms page).

H. OPTION TO RENEW

The City reserves the option to renew the contract for four (4) additional one (1) year periods under the terms and conditions of the current contract beginning on the anniversary of the commencement of contract. The renewal is contingent on a mutual agreement between the City and the Contractor with such agreement to be confirmed sixty (60) days prior to the expiration of the contract period. Either the City or the Contractor may decline to confirm the renewal of the contract for any reason whatsoever, which shall render the renewal option null and void.

The City's initial letter offering the Bidder an opportunity to renew the contract does not constitute an award of the option period. Any option acceptance must be confirmed by the City, in writing, before it becomes valid.

Bidder shall indicate the maximum percentage increase to which the prices in effect at the end of the current contract year would be subject if the renewal options were exercised. 12 %

Failure to submit or complete the price increase section above will be construed to mean that prices bid will not be increased during any option period. The City will not grant an option, if the Contractor requests a price increase which exceeds above stated percentage. If a price increase is requested, the Contractor must provide detailed supporting documentation to justify the requested increase. The requested increase will be evaluated by the City, and the City reserves the right to accept or reject such request.

This section will not be considered in the evaluation for award.

The City may also desire to extend a contract on a month-to-month basis upon expiration of the current contract period under the terms and conditions of the current contract unless modified in writing. The renewal is contingent on a mutual agreement between the City and the Contractor with such agreement to be confirmed in writing prior to the expiration of the contract period.

I. PRICE ADJUSTMENT CLAUSE FOR OPTION RENEWAL

In the event the Contractor does not request a price increase at the time of the contract renewal, and the Manufacturer subsequently announces a general increase in the price of their products, the Contractor may request an increase at that time. The Contractor must provide detailed supporting documentation from the Manufacturer to support the requested increase. The requested increase shall not exceed the percentage increase indicated in the "Option to Renew" clause.

J. INSURANCE REQUIREMENTS

Insurance. The winning Bidder/Proposer shall not begin any work under the Contract resulting from this solicitation until it has: (a) obtained, and upon the City's request provided to the City, insurance certificates reflecting evidence of all insurance required in below; however, the City reserves the right to request, and the Consultant shall submit, copies of any policy upon reasonable request by the City; (b) obtained City approval of each insurance company or companies; and (c) confirmed that all policies contain the specific provisions required below. Bidder/Proposer's liabilities, including but not limited to Bidder/Proposer's indemnity obligations, under the Contract resulting from this solicitation, shall not be deemed limited in any way to the insurance coverage required herein. Maintenance of specified insurance coverage is a material element of the Contract resulting from this solicitation and Bidder/Proposer's failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract resulting from this solicitation may be treated as a material breach of contract by the City. The Bidder/Proposer shall not modify any policy or endorsement thereto which increases the City's exposure to loss for the duration of the Contract resulting from this solicitation.

Deductibles. All deductibles on any policy shall be the responsibility of the Bidder/Proposer and shall be disclosed to the City at the time the evidence of insurance is provided.

Acceptability of Insurers. Except for the State Compensation Insurance Fund, all insurance required by the Contract resulting from this solicitation or in the Special General Conditions shall only be carried by insurance companies with a rating of at least "A-, VI" by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State of California, and that have been approved by the City.

The City will accept insurance provided by non-admitted, "surplus lines" carriers only if the carrier is authorized to do business in the State of California and is included on the List of Eligible Surplus Lines Insurers (LESLI list). All policies of insurance carried by non-admitted carriers are subject to all of the requirements for policies of insurance provided by admitted carriers described herein.

Reservation of Rights. The City reserves the right, from time to time, to review the Bidder/Proposer's insurance coverage, limits, deductible and self-insured retentions to determine if they are acceptable to the City. The City will reimburse the Bidder/Proposer for the cost of the additional premium for any coverage requested by the City in excess of that required by the Contract resulting from this solicitation without overhead, profit, or any other markup.

Additional Insurance. The Bidder/Proposer may obtain additional insurance not required by the Contract resulting from this solicitation.

Excess Insurance. All policies providing excess coverage to the City shall follow the form of the primary policy or policies including but not limited to all endorsements.

Types of Insurance. At all times during the term of the Contract resulting from this solicitation, the Bidder/Proposer shall maintain insurance coverage as follows:

1. **Commercial General Liability.** Commercial General Liability (CGL) Insurance written on an ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad which shall cover liability arising from any and all personal injury or property damage in the amount of $1,000,000.00 (one million) per occurrence and subject to an annual aggregate of $2,000,000.00 (two million). There shall be no endorsement or modification of the CGL limiting the scope of coverage for either insured vs. insured claims or contractual liability. All defense costs shall be outside the limits of the policy.

   Required Endorsements. The following endorsements to the policies of insurance are required to be provided to the City before any work is initiated under the Contract resulting from this solicitation.

   Commercial General Liability Insurance Endorsements

   ADDITIONAL INSURED. To the fullest extent allowed by law including but not limited to California Insurance Code Section 11580.04, the policy or policies must be endorsed to include as an Insured the City of San Diego and its respective elected officials, officers, employees, agents and representatives with respect to liability arising out of (a) ongoing operations performed by you or on your behalf, (b) your products, (c) your work, including but not limited to your completed operations performed by you or on your behalf, or (d) premises owned, leased, controlled or used by you.

   PRIMARY AND NON-CONTRIBUTORY COVERAGE. The policy or policies must be endorsed to provide that the insurance afforded by the Commercial General Liability policy or policies is primary to any insurance or self-insurance of the City of San Diego and its elected officials, officers, employees, agents and representatives as respects operations of the Named Insured. Any insurance maintained by the City of San Diego and its elected officials, officers, employees, agents and representatives shall be in excess of Bidder/Proposer's insurance and shall not contribute to it.

SEVERABILITY OF INTEREST. The policy or policies must be endorsed to provide that the Bidder/Proposer's insurance shall apply separately to each insured against whom claim is made or suit is bought, except with respect to the limits of the insurer's liability and shall provide cross-liability coverage.

2. **Workers' Compensation.** For all of the Bidder/Proposer's employees who are subject to the Contract resulting from this solicitation and to the extent required by the applicable state or federal law, the Bidder/Proposer shall keep in full force and effect, a Workers' Compensation policy. That policy shall provide a minimum of $1,000,000.00 (one million) of employers' liability coverage, and the Bidder/Proposer shall provide an endorsement that the insurer waives the right of subrogation against the City and its respective elected officials, officers, employees, agents and representatives.

   Required Endorsements. The following endorsements to the policies of insurance are required to be provided to the City before any work is initiated under the Contract resulting from this solicitation.

   Worker's Compensation and Employer's Liability Insurance Endorsements

   WAIVER OF SUBROGATION. The Worker's Compensation policy or policies must be endorsed to provide that the insurer will waive all rights of subrogation against the City and its respective elected officials, officers, employees, agents and representatives for losses paid under the terms of this policy or these policies which arise from work performed by the Named Insured for the City.

K. WARRANTY BOND

A Warranty Bond shall be submitted by the successful Bidder, upon receipt of an order, in an amount equal to ten percent (10%) of the total award, and shall remain in full force and effect for a minimum period of one (1) year after date each unit is placed into active service or for the total length of warranty provided, whichever is greater. This bond shall be for the purpose of bringing up to specifications any deficiencies the manufacturer fails to repair or correct per these specifications and also to insure prompt compliance with any and all aspects of the guarantee. If within this period any repairs or replacements in connection with the equipment are, in the opinion of the City of San Diego, deemed necessary as a result of the manufacturer's use of inferior or defective materials, equipment or workmanship, the manufacturer shall, upon receipt of notice and without any expense to the City of San Diego, take action to properly repair, replace, or correct any and all such defects therein. If the manufacturer, after such notice, fails within forty-eight (48) hours of notification, to proceed with the terms of this warranty and guarantee, the City of San Diego may move to effect the necessary corrections, repairs, and replacements and recover all expenses from the manufacturer. Forfeiture of the Warranty Bond will result should the manufacturer fail to pay for these expenses.

L. LIQUIDATED DAMAGES

Time is of the essence, and should delivery not be completed on or before the time stipulated, it is mutually agreed and understood by and between the successful Bidder and the City of San Diego that:

A delay would affect the public and the operation of the City of San Diego; that a reduction in the unit price of one thousand dollars ($1,000.00) per calendar day for each and every day for each unit which exceeds the delivery time set forth in the contract is the nearest measure of damages for such delay that can be fixed at this time; therefore, the City and the successful Bidder hereby establish said reduction in the unit price of one thousand dollars ($1,000.00) per calendar day for each and every day of delay for each unit as liquidated damages and not as a penalty or forfeiture for the breach of agreement to complete delivery by the successful Bidder on or before the time specified in the contract.

Liquidated damages shall not apply to time elapsing between date of delivery and date of notification to the successful Bidder of rejection of sub-specification material.

The above conditions may be invoked if deliveries exceed the specified time or if replacement of material not meeting specifications exceeds the specified time.

Should the Contractor be obstructed or delayed in the work required to be done hereunder by changes in the work or by default, act, or omission of the City, or by strikes, fire, act of God, or by the inability to obtain materials, equipment, or labor due to Federal Government restrictions arising out of the defense or war program, then the time of completion shall be extended for such period as may be agreed. Should there be insufficient time to grant such extensions prior to completion date of the contract, the City may, at the time of acceptance of the work, waive liquidated damages which may have accrued for failure to complete on time, due to any of the above reasons, after hearing evidence as to the reasons for such delay.

M. EQUALS CLAUSE

Whenever reference to a specific brand name is made in these specifications, it is illustrative and to be construed as a specification which describes a component that has been tested or evaluated by the City as best meeting specific operational, design, performance, maintenance, quality, and reliability standards and requirements of the City, thereby incorporating these requirements by reference within the specification. An equivalent ("or equal") may be offered by the Bidder, subject to testing or evaluation by the City prior to award of bid. The City shall be the sole judge of whether any proposed item will fulfill its requirements. It shall be the sole responsibility of the Bidder to provide, at Bidder's expense, any product information, test data, and other information or documents the City may require to fully evaluate or demonstrate the acceptability of the offered substitute. Where appropriate, independent testing or evaluation (including destructive testing) may be required as a condition of acceptance at a qualified test facility at the Bidder's expense.

N. QUANTITIES

The estimated requirements shown on the Pricing Page(s) will vary with the demands of the City of San Diego. These quantities are listed for information purposes only and shall not be deemed to either guarantee a minimum amount or restrict the maximum amount to be delivered throughout the contract period. Nor shall any variations from the estimated quantities, regardless of extent, entitle the Bidder to an adjustment in the unit price or to any other compensation.

O. RECYCLED MATERIAL CONTENT

City Council Policy No. 100-14 allows for a $5,000.00 price preference per contract for products which are made partially or fully from recycled material(s). This preference will be applied during the bid evaluation for each contract. Please submit proof, such as a Recycled Material Certificate, Material Safety Data Sheet, or other with your bid.

Please specify the recycled material and the percentage of recycled material used (if any) in the product bid:

Type of recycled material: Steel

Percent of recycled material used: 25% in Autocar chassis (Will provide proof post bid opening)

P. REFERENCES/QUALIFICATIONS

Bidders are required to demonstrate successful performance for work of similar size and scope as specified in this contract during the past three (3) years. Bidders must also demonstrate that they are properly equipped to perform the work as specified in this contract.

To enable the City to evaluate the responsibility, experience, skill, and business standing of the Bidder, the following documents must be included with the bid submittal:

1. Bidder's References (use form in Forms page).
2. Bidder's Statement of Subcontractors (use form in Forms page).
3. Bidder's Statement of Financial Responsibility (use form in Forms page).

Q. GENERAL PROVISIONS

Except as otherwise specified herein, the City of San Diego General Provisions, dated January 3, 2005, (on file in the Office of the Purchasing Agent) are incorporated as part of this bid and any resulting contract by reference. The General Provisions are available online at www.sandiego.gov/purchasing or via request from the Purchasing & Contracting Department by calling (619) 236-6000.

By signing and/or authorizing the bid submittal, the Bidder/Proposer acknowledges that they have read and understood the meaning, intent and requirements of said General Provisions; and acknowledge said General Provisions are included as a part of this bid.

R. SMALL EMERGING LOCAL BUSINESS PROGRAM

Prime vendors/contractors/consultants are encouraged to take positive steps to diversify and expand their Small Local Business Enterprises (SLBE)/ Emerging Local Business Enterprises (ELBE) solicitation base and to offer contracting opportunities to all eligible small emerging local businesses. To support its Equal Opportunity Contracting commitment, the City has established participation level(s) as defined in the following website, http://www.sandiego.gov/eoc/boc/slbe.shtml.

1. All professional services (non-Architectural/Engineering) contracts valued over $50,000 or more have a voluntary SLBE/ELBE goal of 20%. Details can be found in the website above.

2. For all goods and services contracts valued over $50,000, the City shall apply a 2% bid discount for either: 1) SLBE/ELBE prime contractors or 2) Prime contractors meeting the 20% voluntary SLBE/ELBE goal. The discount will not apply if the award to the discounted bidder would result in a total contract cost of $10,000 in excess of the low, non-discounted bidder. Details can be found in the website above.

S. BUSINESS TAX CERTIFICATE

Any company doing business with the City of San Diego is required to comply with Section 31.0301 of the San Diego Municipal Code regarding Business Tax. For more information please visit the City of San Diego website at www.sandiego.gov/treasurer/ or call (619) 615-1500.

The City requires that each vendor to provide a copy of their Business Tax Certificate, or a copy of their application receipt. Failure to provide the required documents within ten (10) business days of the City's request may result in a Bid being declared non-responsive and rejected.

T. CONTRACTOR STANDARDS

This bid is subject to the Contractor Standards clause of the Municipal Code, Chapter 2, Article 2, Division 32 adopted by Ordinance No. O-19383. All Bidders are required to complete the Contractor Standards Pledge of Compliance included in this Request for Bid (use form in Forms page). The Contractor Standards are available online at www.sandiego.gov/purchasing/vendor/index.shtml or by request from the Purchasing & Contracting Department by calling (619) 236-6000.

U. EQUAL BENEFITS

Effective January 1, 2011, any contract awarded from this solicitation is subject to the City of San Diego's Equal Benefits Ordinance [EBO], Chapter 2, Article 2, Division 43 of the San Diego Municipal Code [SDMC].

In accordance with the EBO, contractors must certify they will provide and maintain equal benefits as defined in SDMC §22.4302 for the duration of the contract [SDMC §22.4304(f)] (use form in Forms Section). Failure to maintain equal benefits is a material breach of the contract [SDMC §22.4304(e)]. Contractors must notify employees of their equal benefits policy at the time of hire and during open enrollment periods and must post a copy of the following statement in an area frequented by employees:

> During the performance of a contract with the City of San Diego, this employer will provide equal benefits to its employees with spouses and its employees with domestic partners.

Contractors also must give the City access to documents and records sufficient for the City to verify the contractors are providing equal benefits and otherwise complying with EBO requirements.

Full text of the EBO and the Rules Implementing the Equal Benefits Ordinance are posted on the City's website at www.sandiego.gov/purchasing/ or can be requested from the Equal Benefits Program at (619) 533-3948.

III. GENERAL REQUIREMENTS

A. PRE-PRODUCTION MEETING

Subsequent to award of this bid, Contractor shall hold a Pre-Production Meeting with City Representatives at the City of San Diego Environmental Services Department, located at 8353 Miramar Place, San Diego, CA 92121-2511. The purpose of the meeting is to establish design finalization of the vehicles as specified in Sections IV.

B. VEHICLE/EQUIPMENT REGISTRATION AND LICENSE PLATES

The Vendor shall obtain the exempt registration and license plates.

The legal registration title shall be as follows:

City of San Diego
Fleet Services
1200 Third Avenue, Suite 200
San Diego, CA 92101-4195

City Equipment I.D. No. _____

Prior to applying for Exempt "E" license plates, the Vendor shall contact the City's Equipment Coordinator at (619) 527-7571 to obtain a City of San Diego Equipment identification number for each vehicle/equipment. This number must appear on the final registration certificate.

Some vehicles/equipment may be purchased via the City's Equipment and Vehicle Financing Program. These vehicles will require that the Vehicle Financing Program Provider be listed as Lien holder on vehicle/equipment registration. Contact the Fleet Services Engineer at (619) 527-7561 for Lien holder verification.

A facsimile of the registration card shall be inserted in the registration holder and each holder shall be attached inside the vehicle/equipment. The location and method of attachment of the registration holder to the vehicle/equipment shall be approved by the Fleet Services Engineer prior to installation.

The original registration card shall be included with the warranty documents upon delivery of each vehicle/equipment to the City. These documents shall be contained in a document delivery envelope.

The license or identification plates shall be installed prior to delivery of each vehicle/equipment.

C. DELIVERY

The City is seeking a projected timeline for delivery of approximately one hundred eighty (180) calendar days from receipt of order. Failure to provide delivery of vehicle within this specified timeline or the timeline offered and accepted by the City upon award, may result in the enforcement of Liquidated Damages in accordance with Section II, paragraph L.

To optimize Fleet Services labor requirements, all deliveries shall be scheduled in advance. The successful Bidder, upon receipt of City Purchase Order or Equipment and Vehicle Financing Program Order Letter, and prior to submittal of factory order, shall contact the Fleet Services Engineer at (619) 527-7561 to establish delivery intervals.

The equipment shall be delivered complete and ready for operation. It shall be new and the latest model and, except as otherwise specified, be standard in all respects. It shall have all the usual equipment and features as shown by current Manufacturer's catalogs. It shall be fueled and completely lubricated, and all pre-delivery services shall have been performed.

The complete units shall be delivered FOB destination to the Fleet Services, General Services Department, 2740 Caminito Chollas, San Diego, CA 92105-5039. Delivery time is Monday through Friday, 10:00 a.m. to 3:00 p.m.

The City will not pay for any equipment that is not delivered as specified in the bid. Conformity to bid specification and the subsequent acceptance date will be determined by the Fleet Services Engineer. Payment terms will be based on date of acceptance by the City.

D. EQUIPMENT AND VEHICLE FINANCING PROGRAM

The City reserves the right to make a direct purchase of proposed equipment, or to arrange financing under the City's Equipment and Vehicle Financing Program.

If the City chooses to utilize its Equipment and Vehicle Financing Program, the successful Bidder shall sell the equipment to the City's lessor under the same terms and conditions offered to the City. (See Attachment A.)

E. WARRANTY

All equipment shall have the regular Manufacturer's guarantees against defects in material and workmanship. The guarantee shall have the standard Manufacturer's warranty. In no case shall coverage be less than twelve (12) months after the equipment is deemed completely operational in accordance with all bid specifications and is placed into service by the City of San Diego Collection Services Division. Warranty Start Date extension(s) may be required to be submitted by the Dealer to the OEM. Where a standard Manufacturer warranty exceeds a period of one (1) year, this warranty shall be provided to the City.

The following components shall have a minimum warranty of two years: radiator, steering gear box, air compressor and air dryer.

If within this one (1) year period any repairs or replacements in connection with the refuse packer are, in the opinion of the City, deemed necessary as a result of the Manufacturer's use of inferior or defective materials, equipment, or workmanship, the Manufacturer shall, upon receipt of notice and without expense to the City, take action to properly repair, replace, or correct any and all such defects therein.

Upon provisional award, the successful Bidder shall establish and deliver to the City a one (1) year service contract with an approved local warranty service facility. Contractor shall furnish written verification of the local warranty service facility contract upon notice of provisional award. Contract and service facility shall have prior approval of the Deputy Director, General Services/Fleet Services.

In the event of a breakdown or failure of the equipment during the warranty period and upon receipt of notice (written or verbal) from the City, Contractor shall take satisfactory action to effect repair or replacement of affected parts within forty-eight (48) hours beginning on the following work day.

Transportation of the equipment from any City of San Diego Station, or place of breakdown, to the warranty service facility for warranty work and back, shall be the responsibility of the Contractor. This includes towing when necessary. If the City must have the equipment towed for reasons of security or safety, the Contractor shall be responsible for all costs. This towing provision includes manufacturer warranties and emission component warranties that exceed the minimum requirement of twelve (12) months.

Bidder (and any applicable Subcontractors) shall complete the Warranty Acknowledgement Form and submit with bid for each item bid (use form in Forms page).

Bidders shall submit a copy of the Manufacturer's warranty for all equipment with bid. If any Manufacturer warranty conflicts with these specifications, these specifications shall prevail as may be in the best interest of the City.

F. OPTIONAL EXTENDED REFUSE BODY WARRANTY

The City requests all Bidders to submit an optional price extending the existing one (1) year refuse body warranty excluding sales taxes, for six (6) additional years (seven (7) years total). Bids not offering the extended warranty will still be considered for award. The cost of optional refuse body warranty will not be evaluated in the award. The optional warranty shall be available for purchase any time during the initial warranty period offered. Minimum terms and conditions of the additional six (6) year warranty are as follows:

1. Items covered under additional six (6) year warranty shall include:

    a. Completed packer body, hopper, and main structure of automated arm and rear door.

    b. All hydraulic cylinders, pumps, and valves.

    c. All pins, bushings, bearings, rollers, and gears for additional automated arm.

2. Items not covered under six (6) year warranty:

    a. All body related electrical components.

    b. All hydraulic hoses.

In addition to the items listed, the packer blade, guides, shoes, wear strips, and hopper floor shall be warranted including normal wear and tear for the entire six (6) year period.

Repairs made under the extended body warranty shall be made at the City of San Diego Repair Facility located on Miramar Place. If the vehicle must be transported more than ten (10) miles, the Bidder shall be required to pay all transportation costs associated with the transport of the vehicle.

Bidders shall submit with their bid documentation indicating the terms and conditions of any extended warranty offered.

G. PARTS STIPULATION

The successful Bidder shall ensure adequate and continued parts support for the useful life of the equipment. The successful Bidder shall provide access to proprietary parts for the equipment for a period of not less than five (5) years from the last delivery of the equipment. Parts must be available in San Diego County and/or received by the City of San Diego within forty-eight (48) hours from placement of the order.

Parts shall include, but not be limited to, those for the cab and chassis and related components such as engine, transmission, suspension, and brakes. Additionally, all proprietary consumable and wear parts for the equipment and its related components shall be included.

It is the intent of the City to have a full complement of fast moving spare parts in stock prior to the first delivery of the equipment. The successful Bidder shall provide the City with a recommended minimum stock parts list for the equipment within forty-five (45) days of award of contract.

Failure to comply with these stipulations may result in the termination of this contract by the City.

H. KEYS

All locks on delivered equipment shall be operable with one (1) key. Ignition switch shall be keyed to Briggs & Stratton C-250 code. Five (5) cab door-keys per unit shall be provided upon delivery. All vehicles in this series shall be keyed alike.

I. EQUIPMENT SPECIFICATION BROCHURE

Each Bidder shall furnish, as a part of the bid, manufacturing specification brochures clearly describing the equipment they propose to furnish. These accompanying documents shall clearly indicate all points specified herein. Failure to provide brochures may cause the bid to be rejected as non-responsive.

J. EQUIPMENT SPECIFICATIONS CHECKLIST

Each Bidder shall furnish, as a part of the bid, the specifications checklist. The Bidder shall insert a "X" (checkmark) in the box labeled "Meets Specifications" or in the box labeled "Exceptions". If Bidder inserts a checkmark in the box labeled "Exceptions", any exceptions and/or deviations from the specifications must be clearly stated. Any exceptions will be evaluated and may be basis for rejection if they are found to be detrimental to the operation of the City. Attach additional information regarding exceptions and/or deviations if necessary. The specifications checklist shall be completed in its entirety. Failure to provide a complete, accurate Equipment Specifications checklist may cause the bid to be rejected as non-responsive.

K. EQUIPMENT DEMONSTRATION

Bidders may be required, at Bidder's expense, to demonstrate their proposed equipment for a minimum of five (5) days in the City of San Diego prior to awarding the contract. Equipment provided for the demonstration must be deemed by the City to be comparable to the equipment specified in the bid. Bidders will not be reimbursed for any costs incurred. The City shall be the sole judge of the suitability and acceptability of any equipment proposed or demonstrated. Demonstration equipment shall be provided within ten (10) calendar days from request.

Demonstrations for each truck shall include but not be limited to the following:

1. Ability to pick-up and dump a rate of no less than 120 containers per hour continuously for a minimum of ten (10) continuous hours daily.

2. Ability to pick-up and dump containers ranging in sizes from 32 to 96 gallons.

3. Ability to pick-up and dump containers for a minimum of 1,000 to a maximum of 1,500 service stops per day on street slopes up to 24°.

L. LABELS

All signs and labels required by ANSI, OSHA, CARB, and DOT shall be affixed.

M. CODE COMPLIANCE

All equipment delivered under these specifications shall comply with all applicable provisions of Federal Motor Vehicle Standards and California Vehicle Codes.

N. ENGINE EMISSIONS REQUIREMENTS AND CERTIFICATION

The engine provided shall be in compliance with California Air Resources Board (CARB) as well as EPA Certified and EPA compliant. Bidder shall provide with their bid copies of the NOX & Particulate Matter (PM) standards to which the engine is certified. Bidder shall also provide with their bid the Executive Order from CARB documenting Certification Level for the equipment offered. The City will fuel the diesel engines with Ultra Low Sulfur (Green) diesel fuel.

O. CHANGES IN EMISSIONS REQUIREMENTS

The City acknowledges that State and/or Federal emissions requirements that are applicable to this contract may change at any time during this contract and such changes may include equipment and/or equipment upgrades to the specifications herein. The Contractor shall be responsible for immediately notifying the City in writing should any State and/or Federal changes in emissions requirements occur. In cases where these changes require a price increase, the Contractor shall notify the City immediately of such increase in writing and shall provide detailed supporting documentation to justify the requested increase. The Contractor must include details of any special equipment and/or equipment upgrades that are mandated for installation as a result of the change in emissions requirements. The requested increase will be evaluated by the City, and the City reserves the right to accept or reject.

P. FEDERAL EXCISE TAX

The City of San Diego is exempt from Federal Excise Tax and will furnish an exemption certificate upon request.

Q. PERFORMANCE SUMMARY

A performance summary SCAAN shall be submitted with the bid. This report shall be issued by the transmission manufacturer.

R. MANUFACTURERS CERTIFIED TRAINING CLASSES

Manufacturers certified 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 conduct training as follows:

1. Packer Body Training

   a. Two (2) eight (8) hour workdays of instruction for City mechanics.

   b. Two (2) eight (8) hour workdays of instruction for City equipment operators.

2. Cab & Chassis Training

   a. Three (3) eight (8) hour workdays for City mechanics.
   Topics shall include: (1) engine familiarization covering topics such as emissions systems, fuel system, engine diagnostics, installation of gas injectors (if applicable), and hands-on diagnostics; and (2) transmission trouble shooting and diagnostics of electronic shift control system.

S. APPROVAL DRAWING

1. Drawings of the proposed refuse packer shall be provided for approval before construction begins.

2. Drawings shall include the following data: Make Model of all chassis and body components, all external dimensions, including operational clearances, and weight distribution on all axles in both an un-laden and fully loaded state.

T. PERFORMANCE TESTS AND REQUIREMENTS

All trucks delivered will be road tested before acceptance. A road test will be conducted with the truck fully loaded. A continuous run of fifty (50) miles or more will be made under all driving and load conditions, during which time the truck shall show no loss of power or overheating. The drive line shall run quietly and be free from vibration or noise throughout the operating range of the truck.

The truck, when fully loaded, must be capable of thirty-four percent (34%) gradability at eighty percent (80%) torque converter efficiency, at a speed of not less than four (4) miles per hour. Note: thirty-four percent (34%) gradability equals 19° slope.

The truck startability, fully loaded, on dry paved street shall exceed forty-four percent (44%) gradability. Note: forty-four percent (44%) gradability equals 24° slope.

The truck, fully loaded, shall be capable of attaining a highway speed consistent with the performance profile (SCAAN) submitted with the bid.

U. FAILURE TO MEET TESTS AND REQUIREMENTS

In the event a truck fails to meet the test requirements on the first trials, then at the City's option, second trials may be made within thirty (30) calendar days of the first trials. Such trials shall be final and conclusive, and failure to comply with these requirements may be cause for contract termination if equipment fails to meet any of these specifications.

V. MANUALS AND TECHNICAL INFORMATION

One (1) complete and accurate copy for each unit delivered of the following items shall be furnished at the time first vehicle is delivered.

1. Shop maintenance manual, illustrated engine repair, and troubleshooting manual.
2. Transmission repair and troubleshooting manual.
3. Chassis repair and troubleshooting manual.
4. Air brake piping diagram including color-coding, shall show all components applicable to equipment furnished.
5. Operator's manual.
6. Certified weight slip.
7. Shop maintenance manual for body equipment.
8. Illustrated parts book, all OEM part numbers and only those parts pertaining directly to these bodies.
9. Complete wiring diagrams shall be provided with the vehicle, including one (1) 36" x 44" laminated set of "E" electrical wiring prints.
10. Exhaust system manual for the new UREA and DPF (DESC) system shall include illustrated repair and troubleshooting guides.

W. VIDEO/CD-R TRAINING GUIDES

Four (4) pre-recorded DVD or CD programs shall be provided upon delivery, two (2) from the chassis manufacturer and two (2) from the body/arm builder. These programs shall explain in detail the operations, maintenance procedures, and points of lubrication for the equipment bid.

X. COMPONENT SUBSTITUTION AND MOUNTING STIPULATION

All packer components and component mounting locations pertaining to the cab and chassis, drive line, suspension and running gear, electrical, and packer body, shall be standardized for all vehicles provided to the City under the terms of this bid. Changes in the components supplied or the component mounting location shall be submitted to the Fleet Services Engineer in writing for review of compatibility with the current equipment specifications. The City shall be the sole judge in approving or rejecting the proposed changes. Changes shall be compatible with existing equipment bid. All units per order shall be from the same production run.

IV. SPECIFICATIONS AND CHECKLIST FOR AUTOMATED REFUSE PACKERS

A. GENERAL

It is the intent of these specifications to describe a high quality, high performing truck cab and chassis complete with body required for automated refuse collection for all items listed on the Pricing Pages. The complete units will be utilized for the collection of residential curbside refuse, commingled recyclables, or yard wastes in an automated, one (1) person operating mode. The terms "high quality" and "high performing" shall be interpreted to mean that the equipment shall exceed the usual quality, operational capacity or functionality of standard equipment and shall be able to withstand unusual strain, exposure, temperature, wear, and use.

1. Performance

Equipment provided shall be capable of operating under varied and extreme conditions, including repeated stop and go service (1,200 to 1,500 daily service stops on any street slope up to 24 degrees), freeway travel to and from the landfills, and travel on unpaved landfill roads, in all weather conditions. Equipment shall be capable of performing under ambient temperatures of up to 110° F.

☒ Meets Specifications or ☐ Exceptions: _____

2. Legal Payload Capacity

The complete unladen operating weight (tare weight) of the delivered unit shall not exceed 34,000 pounds.

Tare Weight: 33,447 LB.

The truck when empty, partially loaded, and fully loaded, must meet all Federal, State, and local weight limit laws. The legal payload of the completed unit shall be a minimum of ten and one-half ton (10.5 tons) with pusher **or tag axle** and shall conform to all requirements of the California Motor Vehicle Code.

Legal Payload Offered: 21,000 LB. (10.5 TON) MINIMUM

Code requirements shall include, but not be limited to the following:

- Gross vehicle weight requirements.
- Bridge formula weight requirements. (to support 10.5 ton payload)
- Legal axle weight requirements.

☒ Meets Specifications or ☐ Exceptions: _____

3. Gross Vehicle Weight Rating

GVWR shall be a minimum of **58,000** lbs.

GVWR Offered: 66,000 LB.

☒ Meets Specifications or ☐ Exceptions: _____

4. Engine and Equipment

The engine shall be diesel fueled, turbo charged, four (4) cycle, and wet sleeve design. The engine shall be **the Cummins ISL 345.** Torque rise shall be a minimum of twenty-two percent (22%).

Engine Manufacturer: CUMMINS

Model/Horsepower Offered: ISL 345HP at ~~1,800~~ 2100 RPM

Gross Torque Offered: 1150 FT-LBS at 1,100 RPM

Torque Rise Offered: .50 % (clutch engagement at 575 ft-lbs)

☒ Meets Specifications or ☐ Exceptions: _____

Engine equipment shall include the following:

a. Oil filter, full flow spin-on type.

☒ Meets Specifications or ☐ Exceptions _____

b. Fuel Filter, spin on type.

☒ Meets Specifications or ☐ Exceptions: _____

c. Exhaust system vertical muffler and exhaust pipe with heat guard mounted on left side at rear of cab in compliance with Vehicle Code 27152. The entire exhaust system shall be approved by the engine Manufacturer, and shall meet all noise requirements set forth in the California Vehicle Code.

☒ Meets Specifications or ☐ Exceptions: _____

d. Engine specified shall incorporate the maximum heavy-duty cooling system available to the OEM.

☒ Meets Specifications or ☐ Exceptions: NOTE: 1300 SQ. INCHES LARGEST IN CLASS

e. Cooling system specified shall be provided with extended life coolant.

☒ Meets Specifications or ☐ Exceptions: _____

f. Engine shutdown shall be automatic and shall operate on high water temperature, low oil pressure, and low water level. Shutdown shall be Kysor or equal.

Manufacturer: CUMMINS

☒ Meets Specifications or ☐ Exceptions: _____

g. Shall have heavy-duty replacement dry air cleaner and shall be matched to provide maximum engine air intake and minimum air restriction and shall be approved by the engine Manufacturer. All intake tubing/plumbing shall be corrosive and moisture resistant stainless steel, or equal. An air restriction indicator shall be located in cab.

☒ Meets Specifications or ☐ Exceptions: _____

5. Fuel Tank

The diesel fuel tank shall be of aluminum construction and a minimum of 70 U.S. gallons total capacity, mounted on left side of vehicle, and shall not interfere with the body and equipment installation.

Capacity Offered: 75 Gallon

☒ Meets Specifications or ☐ Exceptions: _____

6. Engine Cooling

The cooling system shall be so designed that the circulating coolant water at the top of the radiator will not rise above Manufacturers suggested operating temperature when operating under maximum load, speed or grade, regardless of ambient temperature. The cooling system shall be equipped with a thermostat to maintain proper temperature of the coolant when operated continuously over twelve (12) hour work cycle, under load, road speed, or grade, regardless of outside ambient temperature. The cooling system shall be equipped with a 2-speed fan clutch.

☒ Meets Specifications or ☐ Exceptions: _____

7. Radiator

The radiator shall be mounted in such a manner as to prevent damage due to flexing, torqueing, or vibration of the frame, cab, or body. The radiator must be adequate to meet all drive train manufacturers' requirements.

☒ Meets Specifications or ☐ Exception: 1300 Sq. Inches Largest In Class

8. Hoses

All cooling and heater hoses shall be silicone type with constant torque clamps where applicable.

☒ Meets Specifications or ☐ Exception: _____

9. Transmission

The transmission shall be six (6) speed automatic, and shall incorporate a direct mounted oil cooler. Shall be electronically controlled and include an oil level sensor system. Shall be Allison 4500 RDS or equal. Transmission shall include Allison AK86 package which automatically shifts to neutral when service brakes are applied, during route application and when container lift/dump mechanism is energized. A transmission shift lever control shall be provided (touch pad controls are not acceptable). Torque converter shall be Allison Model TC-521 or approved equal.

The automatic transmission shall be matched with the engine to provide maximum power and efficiency. Both the torque convertor and transmission shall have a rated capacity equal to or exceeding the maximum power output of the engine furnished.

Transmission manufacturer & model offered: 4500RDS 6 Speed

Auto shift manufacturer & model offered: Allison Shift Lever

Torque converter manufacturer &model offered: Allison TC-521

☒ Meets Specifications or ☐ Exception: _____

10. Power Steering

OEM power steering system rated for 20,000 pound front axle shall be provided. Steering effort shall not exceed 150 inch-lbs. measured at the steering column with a fully loaded front axle, rated tire pressure, on dry brushed concrete and at a rate of one (1) turn per second.

Steering Gear Offered: TRW Steering Effort Offered: 150 Inch-Lbs

☒ Meets Specifications or ☐ Exceptions: _____

11. Steering Wheel Clearance

Driver steering wheel shall have a minimum of 4" clearance around the outer radius of wheel to prevent interference with cab equipment, including but not limited to boarding handles and steering wheel.

Driver Steering Wheel Clearance Offered: 4"

☒ Meets Specifications or ☐ Exceptions: _____

12. Turning Diameter

Operating conditions of the equipment specified, including but not limited to cul-de-sacs, narrow streets, steep grades, and other confining parameters shall dictate the maximum maneuverability that shall be provided. Maneuverability will be an important factor in the selection process with preference given to those vehicles with the highest degree of maneuverability as measured by turning diameter.

The unit specified shall have a maximum turning diameter of 71'. This dimension shall be the "wall to wall" diameter as measured from the corner of the front bumper, tracing a 360° circle.

Maximum Turning Diameter Offered: 70.01 ft.

☒ Meets Specifications or ☐ Exceptions: _____

13. Front Axle & Suspension

The front axle provided shall be rated 20,000 lbs. minimum.

☒ Meets Specifications or ☐ Exceptions: _____

The front suspension shall be taper leaf/parabolic design. Spring capacity shall be rated 20,000 lbs. minimum. Shock absorbers shall be provided.

☒ Meets Specifications or ☐ Exceptions: Exceeds: 22,000 lbs.

14. Rear Axle & Suspension

The rear axle provided shall be minimum rated capacity of 40,000 lbs. Rear axle ratio shall be approximately 5.57 to 1.0 or as required to provide gradeability of 34.4% @ 4.0 MPH and a minimum road speed of 55 mph at governed engine speed. Rear axle shall be Dana Spicer, model number DSH44, or equal. The rear axle interlock shall be equipped with an audible interlock alarm in the cab. The alarm shall engage when the interlock is in the on position. Rear axle gear ratio shall be compatible with maximum highway speed and transmission in sixth gear mode.

Rear Axle Manufacturer: Meritor Model: RT40-145 40,000 lbs.

☒ Meets Specifications or ☐ Exceptions: _____

The rear suspension shall have a minimum rated capacity of 40,000 pounds, and include transverse torque rods. Suspension provided shall be Hendrickson Model HMX400 or equal.

Suspension Manufacturer: Hendrickson Model: HMX400

☒ Meets Specifications or ☐ Exceptions: _____

15. Pusher **or Tag** Non-Steer Lift Axle System (Air Ride)

The pusher **or tag** lift axle system provided shall be a light weight, non-steerable design rated a minimum of 10,000 pounds.

Axle/Suspension Manufacturer: WATSON & CHALIN Model: AL800 13200 LB. CAP

☒ Meets Specifications or ☐ Exceptions: _____

16. Chassis Construction

The frame shall be constructed of steel having a yield strength of not less than 100,000 lbs. per square inch. The basic frame shall have a channel cross section with a minimum R.B.M. of 1,969,000 inch-lbs. per rail. If reinforcement is required to obtain this R.B.M., the reinforcement cross-section shall be an inverted "L" or full channel. Fish plating is not acceptable.

☒ Meets Specifications or ☐ Exceptions: _____

17. Brake Equipment

a. Service Brakes

Service brakes shall be designed for Right Hand Steer. Shall be Antilock (ABS) with full traction control air brakes of the "S-CAM" design with automatic slack adjusters, Bendix ASA-5, or equal. The system shall include an air compressor rated at 12 CFM minimum and plumbed to the clean side of the air intake system. An air dryer, Bendix System Guard AD-9, or equal, shall be installed ahead of the first air tank. Air tank drains shall be remote mounted with manual petcocks, to a central manifold for easy access behind left front tire area and have the ability to drain each tank individually. Air lines shall be color-coded continuously throughout each individual circuit, and color-coding shall be visible with 6" of each connection of tie-down clamp. All rubber hoses shall be free of paint. All flex air lines to brake chambers shall be wire-braded. Brakes shall be "Extended Service" maximum size offered OEM, minimum 16-1/2 x 7" front and 16-1/2 x 8-5/8" rear.

Brake Manufacturer: MERITOR Model: REFUSE GRADE BRAKE

Air Dryer Manufacturer: BENDIX Model: AD-IP

☒ Meets Specifications or ☐ Exceptions: _____

b. Parking Brakes

The spring set parking brakes shall be automatically actuated in the event of failure in either the main or protected air system. Parking brakes shall be provided on both axles of the tandems. The parking brake must hold fully truck without any movement headed up or down hill at a 24° slope.

☒ Meets Specifications or ☐ Exceptions: _____

18. Front Bumper

An adequate front bumper with recessed steps to allow cleaning of windshield shall be provided. A tow device or tow hooks adequate for pulling stuck trucks out of landfill fully loaded without damaging any part of the cab or chassis shall be installed.

☒ Meets Specifications or ☐ Exceptions: _____

19. Electrical

a. General

The electrical system shall be 12 volt - negative ground.

b. Batteries

Shall provide battery group, two (2) maintenance-free, rated at a minimum of 1800 CCA. The batteries shall be mounted in a location that is easily accessible for service and replacement. Battery box shall be located on left side of vehicle and shall not interfere with body installations. A battery disconnect switch shall be provided next (fore or aft) to the battery box.

☒ Meets Specifications or ☐ Exceptions: EXCEEDS (3) GRP 31 2250 CCA

c. Alternator

Shall be rated a minimum capacity of 135 amps.

☒ Meets Specifications or ☐ Exceptions: _____

d. All electrical wiring shall be installed in a loom, be color-coded, or color-coded and number stamped, identical to all vehicles in production per purchase order and shall be properly secured to prevent damage by movement or vibration. All electrical connections shall be soldered; Scotchloks and similar connectors are prohibited. All instrument/gauge wiring connections shall be screw type/push pin; blade/spade connectors are not acceptable. Conductors shall be properly sized to minimize voltage drop. Grommets shall be provided where wire passes through frames or gussets.

☒ Meets Specifications or ☐ Exceptions: _____

20. Lighting

Lighting provided shall include daytime running lights and LED tail, brake marker/clearance. Directional signals provided shall be amber. Additional turn signals shall be mounted on cab doors. The following additional lighting requirements shall be provided:

a. All lighting and reflectors shall meet or exceed FMVSS 108.

☒ Meets Specifications or ☐ Exceptions: Note: Turn Signals mounted on Cab Front forward of Doors

b. For long life and ease of service, all clearance, tail stop lights, and back-up lights shall be plug-in type, grommet mounted, shock resistant, water-proof, with Lexan Lens. They shall be Truck-Lite, or an approved equal.

Manufacturer: Truck-Lite

☒ Meets Specifications or ☐ Exceptions: _____

c. All wiring shall be enclosed in a loom and properly secured to prevent damage by movement or vibration. All electrical connections shall be soldered; Scotchloks and similar connectors are prohibited. Reflectors provided shall be rivet secured type, adhesive style is unacceptable.

☒ Meets Specifications or ☐ Exceptions: _____

d. All wiring shall be color coded and consistent with color codes of the cab and chassis wiring.

☒ Meets Specifications or ☐ Exceptions: _____

21. Air Conditioning

OEM integral air-conditioning shall be provided. Roof mounted units are unacceptable. The air conditioning provided shall maintain the cab temperature at 70° F when ambient temperature is 110° F. Factory installed, ceiling mounted air conditioning (evaporator only, condenser in front of radiator) air shall be diffused to upper torso of driver for maximum cooling. Fresh air heater and integral defroster shall be directed to both sides of cab and windshield. All cab glass shall be tinted in accordance with California Vehicle Code. Rear window shall be tinted to a No. 3 level.

☒ Meets Specifications or ☐ Exceptions: _____

22. Lubrication

All grease zerks shall be easily accessible from ground level. Remote grease zerks shall be provided as required. All lubrication fittings shall be accessible for servicing without the use of special adapters.

☒ Meets Specifications or ☐ Exceptions: _____

23. Paint, Cab & Chassis

Cab and non chromed cab components shall be painted with DuPont Imron Elite Polyurethane "White" or equivalent (paint code # N0006); chassis components shall be painted chassis black. Final paint specs will be determined at the pre-production meeting and final approval by the City will be given prior to production line-set date.

Paint Offered (Cab / Chassis): DPSS N0006 WHITE/ P3036 BLACK

☒ Meets Specifications or ☐ Exceptions: _____

24. Digital Mobile Radio System

a. General Description

The equipment provided shall be the Motorola XTL1500, 700 MHz trunked radio. No other radio will be considered unless previously approved through the City of San Diego IT&C/Communications Division at (619) 525-8650. **The mobile radio is to be priced separately with quantities determined at the pre-production meeting.**

Manufacturer: MOTOROLA Model: XTL1500

☒ Meets Specifications or ☐ Exceptions: _____

b. Mobile Antenna

The antenna system provided must support the new digital radio mobile network.

Manufacturer: MOTOROLA Model: HAF4016

☒ Meets Specifications or ☐ Exceptions: _____

c. Installation

The radio and antenna shall be installed by the Contractor. Location shall be determined at the pre-production meeting. AS SPECIFIED

25. On-Board Scales/Weight System

Complete system shall be Trans-Data Model TD2965-L, or approved equal. Scale system shall be installed by the Contractor and operational prior to acceptance of completed refuse packer by the City.

Manufacturer: TRANS-DATA Model: K-TD-2965

☒ Meets Specifications or ☐ Exceptions: _____

a. General

The system installed shall consist of an in-cab monitor that receives signal voltages from three (3) axle mounted load beams. Monitor installed shall have the capability of indicating the following weight readings:

(1) Front axle gross weight.
(2) Drive axle gross weight.
(3) Total vehicle gross weight.
(4) Location and mounting of monitor shall be approved by the City prior to installation.

☒ Meets Specifications or ☐ Exceptions: _____

b. Load Beams

Load beams shall be constructed of grade 17-4 stainless steel with all gauging and wire connections potted and sealed to protect against corrosion and the elements. Load beams shall be capable of signaling both positive and negative load impositions.

☒ Meets Specifications or ☐ Exceptions: _____

c. Meter

Read-out weight numerals shown on the meter shall be bright red LED's and clearly visible. Load beam connections to the meter shall be through an interface board with adjustable pots on each channel to permit the beam signals to be balanced under no load conditions. Meter shall be equipped with an adjustable overweight warning device.

☒ Meets Specifications or ☐ Exceptions: _____

d. Mounting System

Load beam mounting shall not affect structural integrity of the axle. Mounting hardware shall be designed to eliminate any interface deflection between load beam and mounting member. Mounting shall permit sensor beam to track negative voltage loads indicating loss of original tare load.

☒ Meets Specifications or ☐ Exceptions: _____

e. Power

Power supply shall be rated twelve (12) volts and supplied to the meter interface board by a fused three (3) wire shielded cable. Power shall be supplied and meter activated when truck ignition is on. All signal wires from the load beams to the meter shall be in shielded cable, and enclosed in a loom protective harness. All wiring shall be secured and follow standard chassis routing.

☒ Meets Specifications or ☐ Exceptions: _____

B. GENERAL CAB AND CHASSIS

1. Cab and Chassis Specifications

The cab and chassis provided shall be of cab over engine design and industry designated as "6 x 4." The cab shall be of aluminum or steel construction. Trucks that incorporate fiber-glass panels that are not susceptible to sustaining vehicle fires may be considered. Access steps shall not exceed 18" from ground. All steps and/or climbing surfaces on any part of cab shall be safety grip strut. The cab and chassis provided shall be current O.E.M. standard production model and shall not be built-up utilizing various manufacturers' components.

☒ Meets Specifications or ☐ Exceptions: _____

2. Wheelbase/**OAL**

Wheelbase of the truck provided shall be the minimum possible to achieve maximum maneuverability and a ten and a half (10.5) ton minimum legal payload. **Maximum acceptable overall length shall be 400 inches.**

Wheelbase/**OAL:** 209" / 381"

☒ Meets Specifications or ☐ Exceptions: _____

3. Cab to Trunnion

   Cab to trunnion dimension as measured from the back of cab to centerline of rear tandems shall be as required by wheelbase.

   CT offered: 186"

   ☒ Meets Specifications or ☐ Exceptions: _____

4. Wheels

   Front and rear wheels shall be hub piloted. All wheels shall be Alcoa Aluminum Disc style with drop center. The front wheel size shall be 22.5 x 9.0, 10 hole; 10,000 GVW. The rear wheels size shall be 22.5 x 9.0, 10-hole; 9,000 GVW each. Pusher axle wheels shall be hub piloted steel disc style. 17.5 x 6.75, 4 hole; 6,500 GAWR each. All wheels, including pusher wheel, shall utilize lime green lug nut indicators.

   ☒ Meets Specifications or ☐ Exceptions: _____

5. Tires

   Each tire shall have a rating of 10,000 pounds minimum. The front and rear tires provided shall be 315/80R-22.5 (L) 20 ply highway radial tread design M860. The pusher **or tag axle** tires provided shall be 235/75R17.5 (H) 16 ply highway radial tread design. Each tire shall have a rating of 6,005 pounds minimum.

   ☒ Meets Specifications or ☐ Exceptions: _____

   ☒ Meets Specifications or ☐ Exceptions: _____

6. Cab Construction and Design

   a. The cab shall be of steel or aluminum or a combination of steel and fiberglass construction. Fiberglass content must not exceed 19% construction.

      Cab Construction: 2-SIDED GALVANIZED STEEL

      ☒ Meets Specifications or ☐ Exceptions: _____

   b. Cab design shall not impair operator's vision from the right-side driver position.

      ☒ Meets Specifications or ☐ Exceptions: _____

   c. Front fender-extensions shall be provided and installed on both sides.

      ☒ Meets Specifications or ☐ Exceptions: _____

   d. All air, electric, or hydraulic lines exposed within cab floor area shall be protected from damage.

      ☒ Meets Specifications or ☐ Exceptions: _____

7. Cab Operational Requirements

a. Cab provided shall facilitate the multiple functions that this truck is scheduled to perform. The truck shall be driven from the right side seated position of the cab without any obstructions affecting visibility. The right driver side shall be OEM installed (after-market conversions are unacceptable).

☒ Meets Specifications or ☐ Exceptions: _____

b. Provisions shall be made to allow checking and filling of fluids in the engine, transmission, and radiator without raising cab.

☒ Meets Specifications or ☐ Exceptions: _____

c. The cab provided, to facilitate engine maintenance, shall be capable of being tilted a minimum of 60^0.
Tilt Angle Offered: 60 DEGREES

d. Cab shall tilt via curb side electric or air over hydraulic power actuated lift mechanism. (with manual override included)

☒ Meets Specifications or ☐ Exceptions: _____

e. The operator's environment shall provide sufficient space and comfort to accommodate all City Operators for eight (8) hours to twelve (12) hour continuous work shift.

f. Operational controls are required on the right-side driver position of cab only.

☒ Meets Specifications or ☐ Exceptions: _____

g. A 16" to 18" steering wheel shall be provided.

Size Offered: 16"

☒ Meets Specifications or ☐ Exceptions: _____

h. Adjustable steering column with tilt features for steering wheel is preferred.

☐ Meets Specifications or ☒ Exceptions: Tilt Wheel Only

i. When column is in straight alignment a minimum of 3" of clearance between any point on the body and any point on the steering wheel is required.

☒ Meets Specifications or ☐ Exceptions: _____

j. Right side controls shall be provided to permit the truck to be operated from the right side position. These controls shall include steering, braking, throttle, transmission [lever-type shifter] and those other controls essential to allow safe operation of the vehicle.

☒ Meets Specifications or ☐ Exceptions: _____

k. The driver's (RH) seat shall be air suspension type with isolator and shoulder type seat belt. The seat is to be of high quality, fully adjustable for height, fore and aft, as well as seat cushion angle and backrest angle adjustments. The passenger (LH) seat shall be fixed type.

☒ Meets Specifications or ☐ Exceptions: _____

l. Upholstery shall be a combination of cloth and vinyl. Seating area is to be cloth in a dark brown or black.

Seat Manufacturer: SEARS Model: C2

☒ Meets Specifications or ☐ Exceptions: _____

m. Doors are required on both sides of cab. Door panels, stops, hinges, and mirror brackets shall be adequately braced and supported to withstand any shock loads sustained.

☒ Meets Specifications or ☐ Exceptions: _____

n. **DELETED**

8. Gauges and Instruments

The truck shall be equipped with speedometer, hour meter, odometer, tachometer, oil pressure gauge, dual air pressure gauges, water temperature gauge, fuel gauge, voltmeter, low air pressure warning buzzer, and air cleaner restriction gauge with restriction indicator in cab for right-hand drive, OEM only. Gauges shall be analog type. An air horn with a ceiling mounted control valve and heavy duty pull rope. An electric horn shall be provided.

☒ Meets Specifications or ☐ Exceptions: _____

9. Emergency Triangle Kit

Bi-directional emergency triangles, "Grote" Kit #71422 or equal, mounted in tool box. Shall be installed by the body builder.

Manufacturer: GROTE Model: 71422

☒ Meets Specifications or ☐ Exceptions: _____

C. SPECIAL REQUIREMENTS

1. Noise and Smoke Emissions:

   a. Operator Exposure Noise: Shall comply with the Occupational Safety and Health Act (OSHA) sound level (dbA) requirement for an eight (8) hour maximum operator exposure time; measured at operators' ear with engine at governed RPM.

      ☒ Meets Specifications or ☐ Exceptions: _____

   b. Exterior Noise: Shall comply with the City's Ordinance, which states the maximum noise emitted by construction, lawn mowing, agricultural, and industrial machinery shall not exceed 75dbA at a distance of 50'.

      ☒ Meets Specifications or ☐ Exceptions: _____

2. Other Cab Equipment:

   The truck shall be equipped with two (2) exterior and two (2) interior cab entry assist handles and West Coast type mirrors outside right and left, minimum size of 6" x 15" and equipped with parabolic spot mirrors to enable driver to see down both sides of vehicle. Mirrors shall also be installed to enable the driver to see the container lift in all positions. A convex bubble type mirror, 8" mounted via stainless steel mounting bracket shall be mounted above left windshield. This mirror shall enable the driver to view across front of truck cab. Cab door mirror brackets shall be located 11" from pivot on door bracket to centerline of mirror assembly. Proposed mirror installations shall be approved by the City prior to installation. Both street side and curbside mirrors shall be electric and remotely adjustable from the operator's seat. Both seat belt shoulder harness anchors should be adjustable. Cab windows shall be electric power windows.

   ☒ Meets Specifications or ☐ Exceptions: _____

   The following additional equipment shall be provided:

   a. Vinyl cover on dog house (stationary engine cover between both front seats in cab of truck) and doors.
      ☒ Meets Specifications or ☐ Exceptions: Note: Autocar Autotuff Interior

   b. Cab mounted fan.
      ☒ Meets Specifications or ☐ Exceptions: _____

   c. Toe board, raised angle type.
      ☒ Meets Specifications or ☐ Exceptions: _____

   d. Document holder shall be provided on driver's door for vehicle registration papers.

      ☒ Meets Specifications or ☐ Exceptions: _____

e. Adjustable Padded type arm rest shall be provided for the operator on the dog house right side and right cab door.

☒ Meets Specifications or ☐ Exceptions: _____

f. A beverage or utility holder shall be provided in the console.

☒ Meets Specifications or ☐ Exceptions: _____

g. Electric horn shall be provided.

☒ Meets Specifications or ☐ Exceptions: _____

h. Left door shall have a large view, unobstructed safety window, installed in the outer door skin.

☒ Meets Specifications or ☐ Exceptions: _____

i. A 10 pound dry chemical extinguisher shall be provided.

☒ Meets Specifications or ☐ Exceptions: _____

3. AM/FM Radio

AM/FM Radio shall be provided. Panasonic Model CRW-125 or approved equal. Antenna shall be mounted street side. Two (2) heavy duty type speakers matched to system shall be provided and mounted **to the top opposing areas of the cab.**

Speaker Mounting Location: FORWARD UPPER CONSOLE

Radio Manufacturer: CSS Model: AM/FM

☒ Meets Specifications or ☐ Exceptions: _____

4. ELECTRICAL

a. All wiring circuits shall be individually color coded. Cannon plugs utilized shall be of the expanded plug or spring loaded design. All circuits shall be protected by breakers; fuses are unacceptable. Electrical connections between cab and body shall be located in a terminal block enclosure. Terminal blocks shall be located in areas that are not susceptible to vibration or contamination and enclosed in a weather-proof locker. Circuit breakers installed shall be easily accessible.

☒ Meets Specifications or ☐ Exceptions: _____

b. Electrical wire (cable) shall meet SAE J1128 specifications. Insulation shall be SAE type HDT. The cable and insulation will reflect good engineering practice. Consideration is to be given to physical and environmental factors such as flexing, heat (194° ambient plus rise), cold bending, oil and fuel contact, abrasion, and pinch resistance properties.

☒ Meets Specifications or ☐ Exceptions: _____

c. An electronic reverse motion alarm, "Ecco" Model 630 or equal, shall be provided.

Manufacturer: ECCO Model: 917 w/ Motion Detector

☒ Meets Specifications or ☐ Exceptions: _____

D. AUTOMATED REFUSE PACKER BODY

1. GENERAL

It is the intent of these specifications to describe the minimum requirements of a complete automated refuse compaction body for all items listed on the Pricing Pages. The body shall incorporate a container lifting/dumping mechanism. Body design shall eliminate leakage to permit collection in wet/dry applications. Design of the body and components shall eliminate any residual trash remaining in the body after dumping/ejection of load eliminating manual clean out by the operator. The compaction system shall include a follower plate to prevent the accumulation of debris behind the blade.

2. QUALITY AND WORKMANSHIP

The design of the automated arm and packer body must conform to the latest approved automotive engineering practices. Workmanship shall be of the highest quality in its field. Special consideration shall be given to the following points; accessibility of the various units which required periodic maintenance operations, ease of operations and symmetrical proportions. Construction must be rugged and have ample safety factors provided by design to carry loads specified legally. Welding shall not be employed in the assembly of the automated arm or packer body in a manner that will prevent the ready removal of any component part for service or repair. All paint shall be applied per OEM paint specifications for best quality, color match to the cab, corrosion protection, and durability.

3. COMPACTION BODY

a. Capacity:

The body, inclusive of the hopper, shall have a capacity of not less than 30 cubic yards nor greater than 37 cubic yards. Capacity shall be a minimum 10.5 ton legal payload.

Capacity: 36 CY / MININUM 10.5 Load (Ton)

☒ Meets Specifications or ☐ Exceptions: _____

b. Dimensions:

(1) Length: The body shall have an overall length as required to achieve a minimum 10.5-ton legal payload.

Length: 310 inches

(2) Height: The overall height shall conform to the California Vehicle Code.

Height: 144 inches

(3) Width: The body shall have a maximum overall transport width including container lift device not to exceed legal width. The overall width shall be calculated with grabber stowed for transport either in the hopper or in the lowered position.

Width: 102 inches

☒ Meets Specifications or ☐ Exceptions: _____

c. Body Construction:

(1) Body & Hopper: Body shell and rear door shall be constructed of 1/8" Hardox 450 180,000 psi abrasive resistant steel. Hopper sides shall be constructed of 4mm Hardox 450 180,000 psi abrasive resistant steel.

☒ Meets Specifications or ☐ Exceptions: _____

(2) The body shall incorporate a design with proper seals to collect fluids preventing any leakage.

☒ Meets Specifications or ☐ Exceptions: _____

(3) A full width all steel shield extending from the front of the hopper forward shall be installed to provide protection over turbos, engine extension, transmission and the exhaust system.

☒ Meets Specifications or ☐ Exceptions: _____

(4) Body shall have adequate bracing (RIBS) to prevent distortion of the sides and roof.

☒ Meets Specifications or ☐ Exceptions: _____

(5) Two (2) large clean-out openings with two (2) doors each side - top half, 22"x 10" and bottom door 14" x 13" piano hinged. Top door to open left to right and bottom door to lift up. Bottom door to be water tight. Bottom of each door shall meet hopper floor level. Each door shall be positioned on the forward left and forward right corners of body. Doors shall be provided to allow cleaning of debris that may accumulate behind the packer blade. A clean-out tool with storage brackets shall be installed. Design and installation of tool will be determined at the pre-production meeting.

☒ Meets Specifications or ☐ Exceptions: _____

(6) Brackets or fixtures shall be mounted on outside of body to firmly carry broom and shovels etc. (location to be determined at pre-production meeting).

☒ Meets Specifications or ☐ Exceptions: _____

d. Hopper Construction:

(1) Size: The larger capacity hopper preferred is four (4) cubic yards (minimum) excluding packing mechanism.

Capacity/size: 5.5 cu. yards

☒ Meets Specifications or ☐ Exceptions: _____

(2) Side Walls: Shall be constructed from 3/16" 100,000 psi abrasive resistant steel.
EXCEEDS SPECS WITH 4mm AR450, 180,000 psi STEEL
☒ Meets Specifications or ☐ Exceptions: _____

(3) Long Sills: The hopper long sills shall be 10" high by 3" wide interlaced with seven (7) full body width cross members.

Sill Size: 8"x2" plus 8"x2" & 6"x3" HOPPER CROSS MEMBERS

☒ Meets Specifications or ☐ Exceptions: _____

(4) Cross members: The hopper cross members shall be 3" high by 4½" wide formed twelve (12) gauge 50,000 psi minimum yield strength steel. Cross members shall support and be continuously welded to the hopper floor plate of ¼" abrasive resistant steel.

Cross Member Size: 8"x2"x1/4" & 6"x3"x1/4"

☒ Meets Specifications or ☐ Exceptions: EXCEEDS USING 1/4" THICK FORMED CROSSMEMBERS

(5) Reinforcement: The hopper side walls shall be braced by a minimum of four (4) horizontal channels formed 2" by 5" 50,000 psi yield strength hi-tensile plate.

AMREP DESIGN USES 3 HORIZONTAL CHANNELS: 4"x1.5", 2"x3" & 4" C-CHANNEL

☒ Meets Specifications or ☐ Exceptions: AMREP DESIGN MEETS INTENT.

(6) Ladder: An access ladder, permitting the operator to examine the hopper contents, shall be provided.

☒ Meets Specifications or ☐ Exceptions: _____

(7) Hopper cover: The hopper shall have metal mesh or solid cover with rubber edges to prevent contents from flying out when being transported to the landfill.

☒ Meets Specifications or ☐ Exceptions: _____

(8) Packing blade must cycle and clear the hopper of refuse in a maximum of ten (10) seconds.

Timing Offered: TEN SECONDS

☒ Meets Specifications or ☐ Exceptions: _____

e. Tailgate:

(1) Construction: The tailgate shall be of bustle design (a replaceable liner is preferred) to prevent distortion of the tailgate due to forces imposed by compacted refuse and a minimum of 4½ cubic yard capacity. Construction shall be a minimum of 1/8" Hardox 450 180,000 psi yield strength plate and include perimeter reinforcing. The tailgate shall be hinged to the rear edge of reinforced roof and rotate on C.R. steel hinge pins 2" in diameter minimum.

The lower inside perimeter shall be equipped with a replaceable water-tight seal extending across entire bottom width and vertically up the sides a minimum of 24". The tailgate shall rotate (lift) a minimum of 95° from the closed position.

Replacement Liner Offered: WILL PROVIDE IF PREFERRED, BUT NOT REQUIRED WITH HARDOX MATERIAL

☒ Meets Specifications or ☐ Exceptions: _____

(2) Opening: The tailgate shall be opened and closed, utilizing two (2) double acting hydraulic cylinders. Cylinders shall be a minimum of 2½" I.D. with 1½" chrome plated rod. Cylinders shall be equipped with pilot operated check valves.

☒ Meets Specifications or ☐ Exceptions: _____

(3) Locking: The tailgate shall be secured by two (2) minimum steel locks powered automatically by hydraulic cylinders. Locks shall capture door pins (two (2) per side) and secure door to rear of body.

☒ Meets Specifications or ☐ Exceptions: _____

(4) Controls: Tailgate actuation shall be controlled via switch conveniently located in the cab. Tailgate control shall be positioned and designed to prevent accidental or inadvertent engagement during regular operation of vehicle. Location of controls shall be determined at pre-production meeting.

☒ Meets Specifications or ☐ Exceptions: _____

(5) License Plate: shall be mounted out of harm's way and properly shielded.

Location: _____

☒ Meets Specifications or ☐ Exceptions: _____

(6) Drip Pan: Tailgate shall be equipped with an attached drip pan that can be removed for maintenance. Drip pan shall be tapered so that when the tailgate is lifted, the drip pan will empty automatically.

☒ Meets Specifications or ☐ Exceptions: _____

4. Container Lifting/Dumping Mechanism

It is the intent of these specifications to describe the installation of a container lifting/dumping mechanism for an automated refuse packer.

a. Operational Design: The lift provided shall include the following:

(1) System shall include a safety interlock to prevent accidental release of the container while in the dump position.

(2) The lift shall be an integral component of the body and/or chassis.

(3) Lift capacity shall be a minimum of 750 pounds at full extension. Cycle time shall be a maximum of ten (10) seconds.

Capacity and Cycle: 750 LBS FULL EXTENSION, IN 8-10 SECONDS

(4) The lift provided shall be compatible with thirty-two (32) to ninety-six (96) gallon containers. The lift provided shall be able to lift automated containers irrespective of their shape. The gripper component shall move the container through the lift and dump cycle with no distortion of the container. The City retains the exclusive right to determine if a proposed lifter is compatible with the various container shapes. The lifting mechanisms shall be hydraulic or heavy-duty chain type to be approved by the Environmental Services Division (ESD) Engineer.

Lifting Mechanism Type: AMREP / CHAIN / NEW GENTLE GRIP - SEE ATTACHED BROCHURE.

(5) The lifting mechanism provided shall be capable of picking up and dumping containers located a minimum of 9 feet from the center-line of the container to the side of the truck. The grabber shall grip the container at a height of 24" maximum. It shall also have the ability to reach recessed containers up to 84" with a maximum of a 36" clearance around radius of container, perpendicular to truck. The lifting mechanism shall also have the ability to grip, lift, and dump container into hopper working in a maximum clearance of 50" between outer-most point of packer body and the outside radius of a 96 gallon container, including gripper arms and all attachments. The container shall follow the shortest possible path from the ground to the dumping position over the hopper without damage to container. The width of the traveling portion of frame shall not exceed 50" maximum, including grabbers.

(6) The arm framework and extending arms shall be constructed of materials designed to withstand the loads imposed on them during repeated dumping cycles of residential refuse.

(7) All pivot points shall be permanently sealed and lubricated roller bearing or Teflon lined with the pins locked to prevent rotation of the pin in the busing.

(8) The arms and grip shall incorporate an automatic locking mechanism to ensure that arm and gripper remains in the stowed position when retracted. Arm shall remain locked until manually released by the operator. Arm shall unlock only when picking up and dumping containers. There shall be an indicator light located on the dash and an audible alarm to alert the operator if the arm and/or gripper is not locked in the stowed position during transport. A "Cart-Up" switch shall be provided to allow storage of the cart/gripper in the up position with hopper door closed while "en-route".

☒ Meets Specifications or ☐ Exceptions: _____

b. Control System: Controls for the lift arm shall be in the same sequence and uniformity to match existing City fleet as described below:

☒ Control system shall provide smooth operation of the system and utilize "soft touch rocker" control switches.

☒ Four (4) sets of controls shall be cab mounted accessible from the driver's side operating position.

☒ Two (2) left hand controls shall be provided on the center console; one (1) shall be a joy stick and one (1) of rocker design.

☒ One (1) set of rocker controls shall be mounted on the right hand door below the window for easy right hand reach by the driver. The mounting bracket shall be fore-aft adjustable for varying driver ergonomics.

☒ One (1) set of rocker controls to operate arm in a semi-automated mode shall be cab mounted on the floor board adjacent to operator's seat.

☒ All controls shall be easily accessible from the operator's seat.

☒ Controls shall automatically slow the carriage to stop at top and bottom of rails to prevent container damage.

☒ A pressure gauge mounted in-cab for active, live grip pressure is to be provided.

☒ Meets Specifications or ☐ Exceptions: _____

Installation: The installation of the container lift/dumper on the truck shall be done in accordance with current industry practice. The lifting arm shall be mounted integral with the chassis without cutting or weakening structural members. The installation shall provide for a minimum of 14" of ground clearance and stow in a street legal position. The mechanism shall be installed on the right hand (curb) side of the completed unit.

☒ Meets Specifications or ☐ Exceptions: ALSO SEE ITEM 4a-#2.

5. Packing System

a. Design:

(1) The sweep of the hopper and load compaction shall be accomplished by a compactor panel traveling a distance that meets or exceeds the hopper length. Compaction force shall not be less than 70,000 lbs. (Paddle packing mechanisms are not acceptable).

Force: 70,846 LBS.

(2) The packing panel shall be box-type reinforced with a blade surface constructed of ⅜" steel plate. The panel shall be 30" high and 70" wide.

(3) A follower plate shall be provided to prevent dumping of containers behind the packer blade while extended.

(4) The system provided shall incorporate one (1) or two (2) double acting hydraulic cylinders to extend/compact and retract the packing panel. The packing panel cylinders cannot be used as ejection cylinders.

(5) The compactor panel shall incorporate a 72" long wear surface with replaceable wear strips of ¼" AR-400 abrasion resistant material. Guide rails shall utilize two (2) AR-400 wear strips.

☒ Meets Specifications or ☐ Exceptions: _____

b. Operating Controls:

(1) The compactor shall be electrically operated via controls mounted in the cab. Continuous compaction mode, automatic compaction mode, and manual packing selection shall be provided.

(2) The operating controls for lift mechanism, packing panel, tailgate locking and opening, and for unloading shall be located in the truck cab easily accessible to the driver while seated in the right side driving position. All control operations shall utilize variable speed controls allowing the operator to feather/meter the grabber to the container without disturbing the surrounding containers or tipping them over and shall have plastic laminated labels.

(3) Tailgate lock and lifting controls shall be isolated from all other controls and shall be designed to eliminate the possibility of accidental operation.

☒ Meets Specifications or ☐ Exceptions: _____

c. Capabilities

The packing system shall be capable of displacing material from the hopper at a rate of not less than 20 cubic yards per minute at a maximum of 1,400 engine RPM. The system provided shall be capable of uninterrupted operation during the container lift and dump cycle. Packing density must be capable of yielding consistent 10.5 ton payloads.

Displacement Rate: 20 CUBIC YARDS PER MINUTE

☒ Meets Specifications or ☐ Exceptions: _____

6. Dumping System

The dumping system provided shall be either hoist-and-dump or full eject. The load shall be dumped via cab mounted, electrical controls which raise the tailgate and packer body. The tailgate shall be unlatched and opened/closed hydraulically. The controls shall be located in the cab to allow the operator to remain in the cab and seated during the unloading procedure. Manually operated latching or restraining devices are not acceptable.

Dumping System Offered FULL EJECT - ITEM "B" ON NEXT PAGE

a. Hoist-and-Dump: The hoist-and-dump method shall utilize dual hydraulic cylinders energized in parallel to ensure the body maintains a level plane during the raises and lowers cycle. Flow restrictors shall be provided to prevent sudden loss of hydraulic fluid due to line failure. Two (2) CALOSHA approved body props, one (1) on each side the truck frame, shall be provided. These devices are to hold props in a stowed position when not in use are required.

NOTE: AMREP OFFERING FULL EJECT DUMP METHOD FOR GREATER SAFETY IN ITEM B.
☐ Meets Specifications or ☐ Exceptions: _____

b. Full Eject: The full eject method shall utilize an ejector panel which will travel to full length of the body. The ejector panel shall be equal in area to the cross section area of the body. The ejector panel shall be designed to act as a bulkhead against which refuse is compressed by the packing mechanism. The eject cylinders cannot be used as packer cylinders. The ejector panel shall travel on 3/16" AR500 wear strips with additional 3/16" AR500 wear strips mounted to the full length of the floor guides. These floor guide wear strips shall be replaceable without removing the ejection panel from body. At no time may any portion of the ejector panel, when in its rearmost position, extend beyond the plane of the rear body opening. However, the ejector panel must be capable of fully emptying the body.

☒ Meets Specifications or ☐ Exceptions: AMREP DUAL BLADE FULL EJECT, SAME AS WHAT YOU ARE USING

7. Hydraulic System

General: The hydraulic system provided shall perform all hydraulic functions at engine idle. Engine idle shall be considered in the range of 600 RPM to 800 RPM or low engine RPM; not to exceed 1,399 RPM. **Transmission mounted PTO will not be accepted.**

a. Design Pressure: The system shall be designed to operate at a maximum of 2500 PSI. A factory sealed pressure relief valve shall be provided to protect the system. All hydraulic lines shall be stainless steel braided and tubing shall be equipped with 37° flare fittings of sufficient size for the oil flow. All hydraulic hose provided shall meet or exceed S.A.E. 100R2 specifications for pressure and temperature requirements. Hose provided shall be Gates M2T Megaflex, or equal. All hydraulic tubing shall be rubber mounted.

Hose Manufacturer: PARKER HYDRAULICS Model: 302/301 & EXTREME

☒ Meets Specifications or ☐ Exceptions: _____

NOTE: PARKER HYDRAULIC HOSE EQUAL TO OR GREATER THAN GATES.

b. Hydraulic Flow Divider

The Hydraulic System shall be equipped with a packing system pressure flow divider electronically activated from cab of truck via toggle switch control labeled "TRASH/RECYCLING". This feature shall provide the following capabilities:

(1) Operation in high pressure mode shall allow maximum compaction to obtain required payload.

(2) Operation in low pressure mode used for recycling operation shall prevent from over compaction/damaging load of recycled materials.

☒ Meets Specifications or ☐ Exceptions: _____

(3) Engine at idle speed or lower RPM shall perform all hydraulic functions.

☒ Meets Specifications or ☐ Exceptions: _____

(4) Reservoir: A steel baffle hydraulic reservoir of not less than fifty (50) gallon capacity shall be provided. The tank shall be equipped with a breather filter to prevent the entrance of foreign matter, tank drain plug (magnetic type), and a "bulls-eye" design oil level indicator showing service level with packer blade retracted and all systems at rest. Hydraulic oil temperature shall not exceed 190°F during normal operation. The service lines to the hydraulic reservoir shall be fitted with shut-off valves on the suction line. The shut-off valves shall be located in a manner which allows servicing of suction screen (100 mesh, minimum) and return line 10 micron filter. The tank shall be equipped with Aero-Quip Coupling Adaptor 502-12-10S and Dust Cap 5657-12-10S for oil filling from street side. Breather filter to be Pall HC7400-SDT4H and Adaptor HHAM-7000 or equal.

Breather Filter Manufacturer: PALL Model: HC7400-SDT4H

Breather Adaptor Manufacturer: PALL Model: HHAM-7000

☒ Meets Specifications or ☐ Exceptions: _____

c. Controls:

All hydraulic functions shall be controlled by sectional air operated hydraulic valves.

☒ Meets Specifications or ☐ Exceptions: _____

d. Cylinders:

All hydraulic cylinders (except packing cylinders) shall be cushioned to avoid impact loading at the end of the piston stroke in extended and retracted positions. All cylinders shall be designed to facilitate repairs and rebuilding, in place without the use of specialized tools. Packing cylinders shall be contained inside the frame rails through full pack cycle operation.

☒ Meets Specifications or ☐ Exceptions: CUSHIONS NOT USED IN AMREP BODY HYDRAULIC DESIGN AS WITH CURRENT UNITS YOU OPERATE

e. Hoses:

(1) All hydraulic hose construction shall be SAE approved with a minimum burst pressure rating of at least four (4) times the working pressure.

(2) Hydraulic hose shall be installed with proper length to permit adequate flexing and changes in length due to expansion and contraction. Proper installation is essential for satisfactory performance and maximum hose service life.

(3) Hose carriers shall be utilized that are designed to contain and protect hoses in dynamic applications between fixed and moving portions of the equipment. Use of carriers shall reduce wear on hose; prevent hose entanglement; improve operation and appearance; and reduce safety hazards to operators.

(4) Hydraulic hose/pipe/tubing shall be installed with a high degree of professionalism using fasteners such as Stauff or T-clip to secure lines. Hydraulic lines shall be routed and anchored to prevent external damage. Proper routing and installation is imperative for satisfactory performance and service life.

☒ Meets Specifications or ☐ Exceptions: _____

8. Lighting

Lighting provided on the Body will compliment Chassis lighting described on page 31. Detailed lighting direction will be determined at the pre-production meeting.

a. All lighting and reflectors shall meet or exceed FMVSS 108.

☒ Meets Specifications or ☐ Exceptions: _____

b. Two (2) round 7", LED, amber warning lamps (similar to school bus warning lamps), shall be installed at a height of approximately 84", measured from the ground, on the rear of the truck., combined with a Whelen TA837 or equal Traffic Advisor (light bar). Exact location shall be approved by the City prior to installation. These amber warning lamps will incorporate an alternating heavy duty solid state flasher without audible alarm. Shall be Truck-lite 97200 or equal. The lamps shall have a cab mounted control switch with a pilot lamp.

Traffic Advisor Manufacturer: WHELEN Model: TA837

Lamp Manufacturer: TRUCK-LITE Model: 97200

☒ Meets Specifications or ☐ Exceptions: _____

c. All wiring shall be enclosed in a loom and properly secured to prevent damage by movement or vibration. All electrical connections shall be soldered; "Scotchloks" and similar connectors are prohibited.

☒ Meets Specifications or ☐ Exceptions: _____

d. All wiring shall be color coded or color coded, number stamped and consistent with color codes of the cab and chassis wiring.

☒ Meets Specifications or ☐ Exceptions: _____

e. Reflectors provided shall be rivet secured type; adhesive styles are unacceptable.

☒ Meets Specifications or ☐ Exceptions: _____

9. Safety Mechanism

The truck shall be equipped with a warning system which shall warn the operator if any of the following occur:

a. Tailgate not completely latched or body not fully latched.

☒ Meets Specifications or ☐ Exceptions: _____

b. Any access doors for clean out or for personnel entry shall be properly identified and shall have controls which render the hydraulic system inoperable while any one of the doors are open.

☒ Meets Specifications or ☐ Exceptions: _____

c. Automatic arm and grip are not in the store position when the vehicle is in gear.

Automated arm/gripper assembly may be stowed in any location so long as it complies with the maximum height and width regulations

☒ Meets Specifications or ☐ Exceptions: _____

d. The warning signal provided shall utilize a system of lights clearly visible to the operator. There shall be a separate labeled light for each item, permanently marked and screw mounted.

☒ Meets Specifications or ☐ Exceptions: _____

10. Tool Box

24" H x 18" W x 18" D, aluminum, single door tool box mounted on left side of truck. Tool box and door shall be water tight (capable of withstanding the high-pressure 2000 psi truck wash), non-locking, and capable of storing a 10 pound dry chemical fire extinguisher (upright), storage for a 5 gallon container full of sand or two (2) bags of sand (25 lbs.) each, and an emergency triangle kit.

☒ Meets Specifications or ☐ Exceptions: _____

11. Sign Holders

Two (2) sign holders shall be installed, one on each side of the body (Stock No. SS315955). Frames shall be 2-1/4" x 95-1/2" x 31-1/2" outside diameter, satin anodized aluminum, tamper proof design, with stainless steel cam-over springs.

12. Lubrication

Any inaccessible point that might need lubrication during operation shall be provided with lubrication plumbing and fittings (rated at 2,000 psi minimum working pressure) extended to an outside mounted "manifold", at an accessible point of the refuse packer, and shall be labeled. All lubrication fittings shall be accessible for servicing without the use of special adapters.

☒ Meets Specifications or ☐ Exceptions: _____

13. Installation

The installation of the body on the cab and chassis shall be done in accordance with current industry practice. The body shall be centered laterally on the truck frame and there shall be no evidence of binding or interference. Special consideration shall be given to the following points; accessibility of the various components which require periodic maintenance operations, ease of operations, and symmetrical proportions.

All welding is to be done by qualified welders. Welds exhibiting evidence or lack of penetration or lack of fusion will be cause for rejection of the delivered equipment. Weld slag shall be removed prior to application of primer paint. Electrical wiring shall be properly secured to prevent damage by movement or vibration.

Welding shall not be employed in the assembly of the compaction mechanism or packer body in a manner that will prevent the ready removal of any component part for service or repair.

☒ Meets Specifications or ☐ Exceptions: _____

14. Mounting And Safety Requirements

The complete body shall comply with all applicable requirements of the California Vehicle Code, CAL-OSHA, D.O.T. and ANSI Standards.

☒ Meets Specifications or ☐ Exceptions: _____

15. Paint

All metal surfaces of the completed body shall be cleaned, properly prepped, and primed according to paint manufacturer's recommendations. The completed unit shall be painted with a premium quality polyurethane topcoat, DuPont Imron Elite Single Stage at 1.8 to 2.2 mils thickness or equivalent white. Dry thickness primer shall be 2 mil, with a minimum finish of 3 mil. Exterior primer used must be tested compatible with high performance polyurethane top coats. A material safety data sheet shall be provided with the truck indicating the product utilized.

The rear of the body shall be striped with 8" wide orange chevron painted stripes at a 60° angle and 8" spacing with the "V" at the bottom. The orange stripes shall be Omaha Orange, DuPont 311 or O.E.M. equivalent. O.E.M. EQUILIVENT OMAHA ORANGE EQUILIVENT

Stripe Manufacturer: SIKKENS LV650 Model: SIKKENS LV650

☒ Meets Specifications or ☐ Exceptions: _____

Bidder shall provide painted orange accent stripes on the cab. Location to be determined at the pre-production meeting and final approval by the City will be given prior to installation.

16. Camera System

These specifications describe a color camera system that shall be fully compatible with each refuse packer. Do not include price of this camera system in the bid price of each refuse packer. This camera system shall be priced separately in Section 2 of the Pricing Pages. The City will determine at its own discretion whether or not this camera system will be selected. If selected, this camera system will be designated on a City Purchase Order or Vehicle Financing Program Order Letter. It shall be fully installed and ready for operation upon delivery of each refuse packer ordered.

17. Cameras

Two (2) color cameras shall be provided. One (1) camera shall be mounted at the rear of vehicle. The second camera shall be hopper mounted to permit the operator to observe loading and blade operation in the packer hopper. The hopper camera shall operate only while lift arm mechanism is in motion. Cameras provided shall be equipped with a sun shield, weatherproof, and mounted utilizing vibration and shock resistant mounts. Cameras shall be Intec CVC 470 HXL. Installation shall be of a permanent nature utilizing tamper proof nuts and bolts. Co-axial cable shall be CVXLP21MA (no substitutions), protected by a polyurethane jacket and contained in rigid conduit for protection.

For both cameras the following requirements shall be met:

- Field of view, 100°degrees vertical, 125° degrees horizontal (minimum).

Fields Offered: 100 DEGREES VERTICAL, 125 DEGREES HORIZONTAL

- Illumination, 0.5 lux (minimum).

Lux Offered: 0.5 LUX

- 320 lines of resolution (minimum).

Resolution Offered: 320+ LINES HORIZONTAL, 350+ LINES VERTICAL

- Shock resistant. Capable of withstanding continued 9G loads.

• Auto-iris lens, f-2.0 mm, f 2.0 fixed focus.

Lens/Focus Offered: AUTO IRIS 2.0mm LENS / f2.0

• 12 VDC.

VDC Offered: 12 VDC

☒ Meets Specifications or ☐ Exceptions: _____

• IP 68 Waterproof

☒ Meets Specifications or ☐ Exceptions: _____

• Utilize mil spec MIL-C-2682 ROHS compliant connection (500 hour salt spray minimum) between camera and cable

☒ Meets Specifications or ☐ Exceptions: _____

18. Monitor

Monitor shall be color and shall be on an adjustable base to permit easy viewing. Monitor shall have a sunshield. Monitor controls shall include automatic on, day/night sensitivity switch and shall be mounted to the ceiling in the center of the cab between the windshield and air conditioning evaporator utilizing swivel mounting bracket equal to Intec model CVSBN. Display shall incorporate multi camera switching through the Intec CV 500M multi camera controller remote. Monitor shall automatically switch to the rear-view camera when truck transmission is shifted into reverse gear. Monitor shall be IntecCVD640LCD, and shall meet the following requirements:

• 6.4" Color picture measured diagonally (minimum).

Size Offered: 6.4"

• 11 - 32 VDC.

VDC Offered: 11 VDC

• On-screen LCD distance markers.

☒ Meets Specifications or ☐ Exceptions: _____

• IP68 Waterproof rating

☒ Meets Specifications or ☐ Exceptions: _____

• Backlit control buttons on waterproof remote control

☒ Meets Specifications or ☐ Exceptions: _____

• 50,000 hour LCD panel protection by polycarbonate cover

☒ Meets Specifications or ☐ Exceptions: _____

E. LAPTOP COMPUTER AND DIAGNOSTIC SYSTEM

The following item shall be priced separately in the space provided on the pricing page.

An industrial quality tough case diagnostic type laptop computer with **the "NEXIQ interface",** all needed connections to data link with the vehicle and of sufficient capacity to run all diagnostic functions and software shall be provided.

Software provided shall include all components accessible through the data link such as engine, transmission, and brake system. Licensed software shall be provided with a minimum two (2) year subscription for each of the specific components.

Delivery details and Laptop quantities shall be determined at the pre-production meeting. It is estimated the one laptop per 10 units delivered will support the service needs. AS SPECIFIED

BIDDER'S REFERENCES

The Bidder is **required** to provide a minimum of five (5) customers that have purchased similar equipment, during the past three (3) years. This will enable the City of San Diego to judge product reliability, Vendor performance and other information.

Company Name: CITY OF SAN DIEGO **Contact Name:** CHRIS SANDOVAL

Address: 8353 MIRAMAR PLACE **Phone Number:** 858-526-2301

SAN DIEGO, CA. 92121 **Fax Number:** 858-526-2356

Dollar Value of Contract: $SEVERAL MILLION **Contract Dates:** 2006-2001

Requirements of Contract: 5 YR. CONTRACT FOR AUTOMATED SIDE LOADERS

Company Name: CITY OF GLENDALE **Contact Name:** DAVE COLE

Address: 141 N. GLENDALE AVE RM 346 **Phone Number:** 818-548-3952

GLENDALE, CA. **Fax Number:**

Dollar Value of Contract: $SEVERAL MILLION **Contract Dates:**

Requirements of Contract: FRONT END LOADING TRUCKS

Company Name: CITY OF LOS ANGELES **Contact Name:** JOHN FERRIS

Address: 11949 SHERMAN ROAD **Phone Number:** 213-485-4985

NORTH HOLLYWOOD, CA. 91605 **Fax Number:**

Dollar Value of Contract: $SEVERAL MILLION **Contract Dates:**

Requirements of Contract:

REFERENCES (*cont.*)

Company Name: CITY OF BEVERLY HILLS **Contact Name:** CRAIG CROWDER

Address: 345 FOOTHILL ROAD **Phone Number:** 310-285-2490

BEVERLY HILLS, CA. 90210 **Fax Number:** 310-860-9093

Dollar Value of Contract: $ 672,897.01 **Contract Dates:**

Requirements of Contract: AUTOMATED REFUSE PACKERS

Company Name: ATHENS SERVICES **Contact Name:** MARTY MITCHELL

Address: 14048 VALLEY BLVD **Phone Number:** 626-336-3636

Fax Number:

Dollar Value of Contract: $ SEVERAL MILLION **Contract Dates:**

Requirements of Contract: AUTOMATED & FRONT LOADING REFUSE TRUCKS

BIDDER'S STATEMENT OF SUBCONTRACTORS

The Bidder is **required** to state below all subcontractors to be used in the performance of the proposed contract, and what portion of work will be assigned to each Subcontractor. Failure to provide details of Subcontractors may be grounds for rejection of bid. NOTE: Add additional pages if necessary.

Company Name: AMREP INC. **Contact Name:** CHRIS BURLEW

Address: 1555 CUCAMONGA AVENUE **Phone Number:** 909-923-0430

ONTARIO, CA. 91761 **Fax Number:** 909-923-2485

Dollar amount of sub-contract: $ 1,653,900.00 **Contract Dates:**

Contractor's License #:

Requirements of contract: AUTOMATED REFUSE BODIES

What portion of work will be assigned to this subcontractor: 100%

Company Name: TRANS-DATA **Contact Name:** RAY

Address: 1445 MURRAY AVENUE **Phone Number:** 619-588-7069

EL CAJON, CA. 92020 **Fax Number:** 619-588-6068

Dollar amount of sub-contract: $ 81,500.00 **Contract Dates:**

Contractor's License #:

Requirements of contract: ON BOARD SCALE SYSTEMS

What portion of work will be assigned to this subcontractor: 100%

Company Name: INFINITY WIRELESS SOLUTIONS **Contact Name:** JIM VAKOUTIS

Address: 11956 BERNARDO CENTER DRIVE **Phone Number:** 858-613-0550

SAN DIEGO, CA. 92128 **Fax Number:** 858-675-0809

Dollar amount of sub-contract: $ 48,051.80 **Contract Dates:**

Contractor's License #:

Requirements of contract: MOBILE RADIOS

What portion of work will be assigned to this subcontractor: 100%

WARRANTY ACKNOWLEDGEMENT FORM

Prime Contractor and all Sub-Contractors listed below acknowledge and will adhere to all warranty provisions specified in Section III - General Requirements for items bid.

PRIME CONTRACTOR	
Company Name	LOS ANGELES TRUCK CENTER LLC, dba SAN DIEGO FREIGHTLINER
Address	6006 MIRAMAR ROAD
	SAN DIEGO, CA. 92121

Signature: _____ Date: 5-4-11

SUB-CONTRACTOR	
Company Name	AMREP INC.
Address	1555 CUCAMONGA AVENUE
	ONTARIO, CA. 91761

Signature: _____ Date: 5-4-11

SUB-CONTRACTOR	
Company Name	TRANS-DATA
Address	1445 MURRAY AVENUE
	EL CAJON, CA. 92020

Signature: _____ Date: 5-4-11

SUB-CONTRACTOR	
Company Name	INFINITY WIRELESS SOLUTIONS, INC.
Address	11956 BERNARDO CENTER CT.
	SAN DIEGO, CA. 92128

Signature: _____ Date: 5-4-11

SUB-CONTRACTOR	
Company Name	
Address	

Signature: _____ Date: _____

BIDDER'S STATEMENT OF FINANCIAL RESPONSIBILITY

The Bidder is required to furnish below a statement of financial responsibility, except when the bidder has previously completed contracts with the City of San Diego covering work of similar scope.

I, BRYAN KOBUS, certify that my company, LOS ANGELES TRUCK CENTER LLC, has sufficient operating capital and/or financial reserves to properly fund the services identified in these contract specifications for a minimum of two (2) full months. I agree that upon notification of provisional award, I will promptly provide a copy of my company's most recent balance sheet, or other necessary financial statements, as supporting documentation for this statement, if requested. I understand that this balance sheet, as well as any other required financial records, will remain confidential information to the extent allowed under the California Public Records Act.

I certify under penalty of perjury under the laws of the State of California that the information contained in this statement is true and correct.

Dated: MAY 6, 2011 Signature:

City of San Diego
Purchasing & Contracting Department
Contractor/Vendor Registration Form

All prospective bidders, as well as existing contractors and vendors, are required to complete this form.

Vendor ID:
[ID Number will be provided by City]

Firm Info:

Firm Name: (as reported on W9)	LOS ANGELES TRUCK CENTER, LLC				
Firm Address:	2429 S. PECK ROAD				
City:	WHITTIER	State:	CA	Zip:	90601
Phone:	562-447-1515	Fax:	562-447-1544		
Taxpayer ID:	94-3303320	Business License:	B2003006685		
Website:	www.lafreightliner.com				

Contact Info:

Contact Name:	RON CREIGHTON		
Title:	MUNICIPAL SALES		
Email:	RCreighton@lafreightliner.com		
Phone:	562-447-1515	Cell:	562-755-6108

☐ **Alternate Address** (if different from above) **to Receive Remittance:**

Mailing Address:					
City:		State:		Zip:	

☒ **Alternate Address** (if different from above) **to Receive Bid/Contract Opportunities:**

Mailing Address:	6006 MIRAMAR RD				
City:	SAN DIEGO	State:	CA	Zip:	92121

Contractor Licenses (if applicable)

License Number:		License Type:	
License Number:		License Type:	
License Number:		License Type:	

Contractor/Vendor Registration Form – Page 2

Firm Name: (as reported on W9)	LOS ANGELES TRUCK CENTER, LLC

Product/Services Information:

NIGP Codes:	*

*find list of available NIGP Codes at http://www.sandiego.gov/purchasing OR request hard copy from Purchasing & Contracting

The City requires this information for statistical purposes only.

Primary Owner of the Firm* (51% ownership or more)	X Male ☐ Female or	☐ Sole Proprietorship ☐ Partnership ☐ Corporation ☐ Limited Liability Partnership X Limited Liability Corporation ☐ Joint Venture ☐ Non-Profit ☐ Governmental/Municipality/Regulatory Agency ☐ Utility
*Required		

Ethnicity:

Ethnicity:	* CAUCASIAN AMERICAN

* select one from the following **List of Ethnicities**

AFRICAN AMERICAN
ASIAN AMERICAN
CAUCASIAN AMERICAN
HISPANIC AMERICAN
NATIVE AMERICAN
PACIFIC ISLANDER AMERICAN

Ownership Classification

Classification: * OBE

* select from the following **List of Ownership Classification Codes** (select all that apply):

	WBE	(Woman Owned Business Enterprise)
	OBE	(Other Business Enterprise)
	DBE	(Disadvantaged Business Enterprise)
	DVBE	(Disabled Veteran Business Enterprise)
	SLBE	(Small Local Business Enterprise)
	8(a)	(Small Business Administration 8(a) Enterprise)
	SDB	(Small Disadvantaged Business Enterprise)
	LBE	(Local Business Enterprise)
	MLBE	(Micro Local Business Enterprise)
	SBE	(Small Business Enterprise)
	MBE	(Minority Business Enterprise)
	EBE	(Emerging Business Enterprise)
	ELBE	(Emerging Local Business Enterprise)

Certified by an Agency? ☒ **No** ☐ **Yes** (enter Certification Number and Certifying Agency below)

Certification #: Expiration Date:

Agency:

Certification #: Expiration Date:

Agency:

Information regarding a vendor's racial or gender ownership status will not be used as a factor in the City's selection process for any contract.

Please mail this form to: Purchasing & Contracting Department
1200 Third Avenue, Suite 200
San Diego, CA 92101

or fax to: 619/236-5904

City of San Diego
EQUAL OPPORTUNITY CONTRACTING (EOC)
1200 Third Avenue • Suite 200 • San Diego, CA 92101
Phone: (619) 236-6000 • Fax: (619) 235-5209

WORK FORCE REPORT

The objective of the *Equal Employment Opportunity Outreach Program*, San Diego Municipal Code Sections 22.3501 through 22.3517, is to ensure that contractors doing business with the City, or receiving funds from the City, do not engage in unlawful discriminatory employment practices prohibited by State and Federal law. Such employment practices include, but are not limited to unlawful discrimination in the following: employment, promotion or upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rate of pay or other forms of compensation, and selection for training, including apprenticeship. Contractors are required to provide a completed *Work Force Report (WFR).*

NO OTHER FORMS WILL BE ACCEPTED

Section 1.01 CONTRACTOR IDENTIFICATION

Type of Contractor: ☐ Construction ☐ Vendor/Supplier ☐ Financial Institution ☐ Lessee/Lessor ☐ Consultant ☐ Grant Recipient ☐ Insurance Company ☐ Other

Name of Company: LOS ANGELES TRUCK CENTER LLC

ADA/DBA: SAN DIEGO FREIGHTLINER

Address (Corporate Headquarters, where applicable): 2429 S. PECK ROAD

City: WHITTIER County: LOS ANGELES State: CA Zip: 90601

Telephone Number: (562 447-1200 Fax Number: (562) 447-1544

Name of Company CEO: BRADLEY C. FAUVRE & JAMES C. BARKER

Address(es), phone and fax number(s) of company facilities located in San Diego County **(if different from above):**

Address:

City: County: State: Zip:

Telephone Number: ( ) Fax Number: ( )

Type of Business: Type of License:

The Company has appointed: MAX WAGONER

As its Equal Employment Opportunity Officer (EEOO). The EEOO has been given authority to establish, disseminate and enforce equal employment and affirmative action policies of this company. The EEOO may be contacted at:

Address: 2429 S. PECK ROAD WHITTIER, CA. 90601

Telephone Number: (562 447-1539 Fax Number: (562) 447-1544

☐ One San Diego County (or Most Local County) Work Force - Mandatory
☐ Branch Work Force *
☐ Managing Office Work Force

Check the box above that applies to this WFR.

**Submit a separate Work Force Report for all participating branches. Combine WFRs if more than one branch per county.*

I, the undersigned representative of LOS ANGELES TRUCK CENTER, LLC dba SAN DIEGO FREIGHTLINER
(Firm Name)

LOS ANGELES *(County)*, CA *(State)* hereby certify that information provided herein is true and correct. This document was executed on this 4 day of MAY, 20 11

(Authorized Signature)

BRYAN KOBUS
(Print Authorized Signature Name)

WORK FORCE REPORT – Page 2

NAME OF FIRM: LOS ANGELES TRUCK CENTER LLC DATE: MAY 4, 2011

OFFICE(S) or BRANCH(ES): LA / FONTANA / SAN DIEGO / CARSON COUNTY: LOS ANGELES

1. INSTRUCTIONS: For each occupational category, indicate number of males and females in every ethnic group. Total columns in row provided. Sum of all totals should be equal to your total work force. Include all those employed by your company on either a full or part-time basis. The following groups are to be included in ethnic categories listed in columns below:

(1) Black, African-American
(2) Hispanic, Latino, Mexican-American, Puerto Rican
(3) Asian, Pacific Islander
(4) American Indian, Eskimo
(5) Filipino
(6) White, Caucasian
(7) Other ethnicity; not falling into other groups

ADMINISTRATION OCCUPATIONAL CATEGORY	(1) Black		(2) Hispanic		(3) Asian		(4) American Indian		(5) Filipino		(6) White		(7) Other Ethnicity	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Management & Financial	2	0	10	4	3	1			1		50	10	1	
Professional	1	0			1					1	1	2		
A&E, Science, Computer														
Technical														
Sales	1		58	3	2				1	1	70	4	1	1
Administrative Support			11	46	1	2	1		1	4	7			2
Services	0		7								4	30		
Crafts	7		94	1	2		3		2		61		4	
Operative Workers											7	5		
Transportation														
Laborers*	1		46	1	2		1		1		14		1	

*Construction laborers and other field employees are not to be included on this page

Totals Each Column	12	0	227	55	11	3	5	0	6	6	214	51	7	3

Grand Total All Employees	600

Indicate by Gender and Ethnicity the Number of Above Employees Who Are Disabled:

Disabled														

Non-Profit Organizations Only:

Board of Directors														
Volunteers														
Artists														

WORK FORCE REPORT – Page 3

NAME OF FIRM: LOS ANGELES TRUCK CENTER, LLC DATE: MAY 4, 2011

OFFICE(S) or BRANCH(ES): LA / FONTANA / CARSON / SAN DIEGO COUNTY: LOS ANGELES

I. INSTRUCTIONS: FOR EACH OCCUPATIONAL CATEGORY, INDICATE NUMBER OF MALES AND FEMALES IN EVERY ETHNIC GROUP. TOTAL COLUMNS IN ROW PROVIDED. SUM OF ALL TOTALS SHOULD BE EQUAL TO YOUR TOTAL WORK FORCE. INCLUDE ALL THOSE EMPLOYED BY YOUR COMPANY ON EITHER A FULL OR PART-TIME BASIS. THE FOLLOWING GROUPS ARE TO BE INCLUDED IN ETHNIC CATEGORIES LISTED IN COLUMNS BELOW:

(1) Black, African-American
(2) Hispanic, Latino, Mexican-American, Puerto Rican
(3) Asian, Pacific Islander
(4) American Indian, Eskimo
(5) Filipino
(6) White, Caucasian
(7) Other ethnicity; not falling into other groups

TRADE OCCUPATIONAL CATEGORY	(1) Black		(2) Hispanic		(3) Asian		(4) American Indian		(5) Filipino		(6) White		(7) Other Ethnicity	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Brick, Block or Stone Masons														
Carpenters														
Carpet, Floor & Tile Installers Finishers														
Cement Masons, Concrete Finishers														
Construction Laborers														
Drywall Installers, Ceiling Tile Inst														
Electricians														
Elevator Installers														
First-Line Supervisors/Managers														
Glaziers														
Helpers; Construction Trade														
Millwrights														
Misc. Const. Equipment Operators														
Painters, Const. & Maintenance														
Pipelayers, Plumbers, Pipe & Steam Fitters														
Plasterers & Stucco Masons														
Roofers														
Security Guards & Surveillance Officers														
Sheet Metal Workers														
Structural Metal Fabricators & Fitters														
Welding, Soldering & Brazing Workers														
Workers, Extractive Crafts, Miners														
Totals Each Column														

Grand Total All Employees

Indicate By Gender and Ethnicity the Number of Above Employees Who Are Disabled:

Disabled														

CITY OF SAN DIEGO WORK FORCE REPORT

HISTORY

The Work Force Report (WFR) is the document that allows the City of San Diego to analyze the work forces of all firms wishing to do business with the City. We are able to compare the firm's work force data to County Labor Force Availability (CLFA) data derived from the United States Census. CLFA data is a compilation of lists of occupations and includes the percentage of each ethnicity we track (Black, Hispanic, Asian, American Indian, Filipino) for each occupation. Currently, our CLFA data is taken from the 2000 Census. In order to compare one firm to another, it is important that the data we receive from the consultant firm is accurate and organized in the manner that allows for this fair comparison.

WORK FORCE & BRANCH WORK FORCE REPORTS

When submitting a WFR, especially if the WFR is for a specific project or activity, we would like to have information about the firm's work force that is actually participating in the project or activity. That is, if the project is in San Diego and the work force is from San Diego, we want a San Diego County Work Force Report.[1] By the same token, if the project is in San Diego, but the work force is from another county, such as Orange or Riverside County, we want a Work Force Report from that county.[2] If participation in a San Diego project is by work forces from San Diego County and, for example, from Los Angeles County and from Sacramento County, we ask for separate Work Force Reports representing your firm from each of the three counties.

MANAGING OFFICE WORK FORCE

Equal Opportunity Contracting may occasionally ask for a Managing Office Work Force (MOWF) Report. This may occur in an instance where the firm involved is a large national or international firm but the San Diego or other local work force is very small. In this case, we may ask for both a local and a MOWF Report.[1,3] In another case, when work is done only by the Managing Office, only the MOWF Report may be necessary.[3]

TYPES OF WORK FORCE REPORTS:

Please note, throughout the preceding text of this page, the superscript numbers one [1], two [2] & three [3]. These numbers coincide with the types of work force report required in the example. See below:

[1] One San Diego County (or Most Local County) Work Force – Mandatory in most cases

[2] Branch Work Force *

[3] Managing Office Work Force

**Submit a separate Work Force Report for all participating branches. Combine WFRs if more than one branch per county.*

Exhibit A: Work Force Report Job categories-Administration

Refer to this table when completing your firm's Work Force Report form(s).

Management & Financial

Advertising, Marketing, Promotions, Public Relations, and Sales Managers
Business Operations Specialists
Financial Specialists
Operations Specialties Managers
Other Management Occupations
Top Executives

Professional

Art and Design Workers
Counselors, Social Workers, and Other Community and Social Service Specialists
Entertainers and Performers, Sports and Related Workers
Health Diagnosing and Treating Practitioners
Lawyers, Judges, and Related Workers
Librarians, Curators, and Archivists
Life Scientists
Media and Communication Workers
Other Teachers and Instructors
Postsecondary Teachers
Primary, Secondary, and Special Education School Teachers
Religious Workers
Social Scientists and Related Workers

Architecture & Engineering, Science, Computer

Architects, Surveyors, and Cartographers
Computer Specialists
Engineers
Mathematical Science Occupations
Physical Scientists

Technical

Drafters, Engineering, and Mapping Technicians
Health Technologists and Technicians
Life, Physical, and Social Science Technicians
Media and Communication Equipment Workers

Sales

Other Sales and Related Workers
Retail Sales Workers
Sales Representatives, Services
Sales Representatives, Wholesale and Manufacturing
Supervisors, Sales Workers

Administrative Support

Financial Clerks
Information and Record Clerks
Legal Support Workers
Material Recording, Scheduling, Dispatching, and Distributing Workers
Other Education, Training, and Library Occupations
Other Office and Administrative Support Workers
Secretaries and Administrative Assistants
Supervisors, Office and Administrative Support Workers

Services

Building Cleaning and Pest Control Workers
Cooks and Food Preparation Workers
Entertainment Attendants and Related Workers
Fire Fighting and Prevention Workers
First-Line Supervisors/Managers, Protective Service Workers
Food and Beverage Serving Workers
Funeral Service Workers
Law Enforcement Workers
Nursing, Psychiatric, and Home Health Aides
Occupational and Physical Therapist Assistants and Aides
Other Food Preparation and Serving Related Workers
Other Healthcare Support Occupations
Other Personal Care and Service Workers
Other Protective Service Workers
Personal Appearance Workers
Supervisors, Food Preparation and Serving Workers
Supervisors, Personal Care and Service Workers
Transportation, Tourism, and Lodging Attendants

Crafts

Construction Trades Workers
Electrical and Electronic Equipment Mechanics, Installers, and Repairers
Extraction Workers
Material Moving Workers
Other Construction and Related Workers
Other Installation, Maintenance, and Repair Occupations
Plant and System Operators
Supervisors of Installation, Maintenance, and Repair Workers
Supervisors, Construction and Extraction Workers
Vehicle and Mobile Equipment Mechanics, Installers, and Repairers
Woodworkers

Operative Workers

Assemblers and Fabricators
Communications Equipment Operators
Food Processing Workers
Metal Workers and Plastic Workers
Motor Vehicle Operators
Other Production Occupations
Printing Workers
Supervisors, Production Workers
Textile, Apparel, and Furnishings Workers

Transportation

Air Transportation Workers
Other Transportation Workers
Rail Transportation Workers
Supervisors, Transportation and Material Moving Workers
Water Transportation Workers

Laborers

Agricultural Workers
Animal Care and Service Workers
Fishing and Hunting Workers
Forest, Conservation, and Logging Workers
Grounds Maintenance Workers
Helpers, Construction Trades
Supervisors, Building and Grounds Cleaning and Maintenance Workers
Supervisors, Farming, Fishing, and Forestry Workers

Exhibit B: Work Force Report Job categories-Trade

Brick, Block or Stone Masons

Brickmasons and Blockmasons
Stonemasons

Carpenters

Carpet, floor and Tile Installers and Finishers

Carpet Installers
Floor Layers, except Carpet, Wood and Hard Tiles
Floor Sanders and Finishers
Tile and Marble Setters

Cement Masons, Concrete Finishers

Cement Masons and Concrete Finishers
Terrazzo Workers and Finishers

Construction Laborers

Drywall Installers, Ceiling Tile Inst

Drywall and Ceiling Tile Installers
Tapers

Electricians

Elevator Installers and Repairers

First-Line Supervisors/Managers

First-line Supervisors/Managers of Construction Trades and Extraction Workers

Glaziers

Helpers, Construction Trade

Brickmasons, Blockmasons, and Tile and Marble Setters
Carpenters
Electricians
Painters, Paperhangers, Plasterers and Stucco
Pipelayers, Plumbers, Pipefitters and Steamfitters
Roofers
All other Construction Trades

Millwrights

Heating, Air Conditioning and Refrigeration Mechanics and Installers
Mechanical Door Repairers
Control and Valve Installers and Repairers
Other Installation, Maintenance and Repair Occupations

Misc. Const. Equipment Operators

Paving, Surfacing and Tamping Equipment Operators
Pile-Driver Operators
Operating Engineers and Other Construction Equipment Operators

Painters, Const. Maintenance

Painters, Construction and Maintenance
Paperhangers

Pipelayers and Plumbers

Pipelayers
Plumbers, Pipefitters and Steamfitters

Plasterers and Stucco Masons

Roofers

Security Guards & Surveillance Officers

Sheet Metal Workers

Structural Iron and Steel Workers

Welding, Soldering and Brazing Workers

Welders, Cutter, Solderers and Brazers
Welding, Soldering and Brazing Machine Setter, Operators and Tenders

Workers, Extractive Crafts, Miners

City of San Diego Purchasing & Contracting Department

CONTRACTOR STANDARDS

Pledge of Compliance

Effective December 24, 2008, the Council of the City of San Diego adopted Ordinance No. O-19808 to extend the Contractor Standards Ordinance to all contracts greater than $50,000. The intent of the Contractor Standards clause of San Diego Municipal Code §22.3224 is to ensure the City of San Diego conducts business with firms that have the necessary quality, fitness and capacity to perform the work set forth in the contract.

To assist the Purchasing Agent in making this determination and to fulfill the requirements of §22.3224(d), each bidder/proposer must complete and submit this *Pledge of Compliance* with the bid/proposal. If a non-competitive process is used to procure the contract, the proposed contractor must submit this completed *Pledge of Compliance* prior to execution of the contract. A submitted *Pledge of Compliance* is a public record and information contained within will be available for public review for at least ten (10) calendar days, except to the extent that such information is exempt from disclosure pursuant to applicable law.

All responses must be typewritten or printed in ink. If an explanation is requested or additional space is required, respondents must use the *Pledge of Compliance Attachment "A"* and sign each page. The signatory guarantees the truth and accuracy of all responses and statements. Failure to submit this completed *Pledge of Compliance* may make the bid/proposal non-responsive and disqualified from the bidding process. If a change occurs which would modify any response, Contractor must provide the Purchasing Agent an updated response within thirty (30) calendar days.

A. PROJECT TITLE:

AUTOMATED REFUSE PACKERS

B. BIDDER/CONTRACTOR INFORMATION:

LOS ANGELES TRUCK CENTER, LLC dba SAN DIEGO FREIGHTLINER			
Legal Name		DBA	
6006 MIRAMAR RD	SAN DIEGO	CA	92121
Street Address	City	State	Zip
RON CREIGHTON	562-447-1515	562-447-1544	
Contact Person, Title	Phone	Fax	

C. OWNERSHIP AND NAME CHANGES:

1. In the past five (5) years, has your firm changed its name?
   ? Yes ?(No)

   If **Yes**, use *Pledge of Compliance Attachment "A"* to list all prior legal and DBA names, addresses and dates when used. Explain the specific reasons for each name change.

2. In the past five (5) years, has a firm owner, partner or officer operated a similar business?
   ? Yes ?(No)

   If **Yes**, use *Pledge of Compliance Attachment "A"* to list names and addresses of all businesses and the person who operated the business. Include information about a similar business only if an owner, partner or officer of your firm holds or has held a similar position in another firm.

D. BUSINESS ORGANIZATION/STRUCTURE: Indicate the organizational structure of your firm. Check one only on this page. Use *Pledge of Compliance Attachment "A"* if more space is required.

☐ **Corporation** Date incorporated: ___/___/_____ State of incorporation: _____

List corporation's current officers: President: _____
Vice Pres: _____
Secretary: _____
Treasurer: _____

Is your firm a publicly traded corporation? ☐ **Yes** ☒ **No**

If **Yes**, name those who own five percent (5%) or more of the corporation's stocks:

_____
_____
_____
_____

☒ **Limited Liability Company** Date formed: 10/1/1998 State of formation: CA

List names of members who own five percent (5%) or more of the company:
BRADLEY C. FAUVRE 50%
JAMES C. BARKER 50%

☐ **Partnership** Date formed: ___/___/_____ State of formation: _____

List names of all firm partners:

_____
_____
_____
_____

☐ **Sole Proprietorship** Date started: _____/_____/_____

List all firms you have been an owner, partner or officer with during the past five (5) years. Do not include ownership of stock in a publicly traded company:

_____
_____
_____
_____

☐ **Joint Venture** Date formed: _____/_____/_____

List each firm in the joint venture and its percentage of ownership:

_____
_____
_____
_____

Note: Each member of a Joint Venture must complete a separate *Contractor Standards Pledge of Compliance* for a Joint Venture's submission to be considered responsive.

E. FINANCIAL RESOURCES AND RESPONSIBILITY:

1. Is your firm in preparation for, in the process of, or in negotiations toward being sold?
   ☐ Yes ☒ No

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances, including name of the buyer and principal contact information.

2. In the past five (5) years, has your firm been denied bonding?
   ☐ Yes ☒ No

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances; include bonding company name.

3. In the past five (5) years, has a bonding company made any payments to satisfy claims made against a bond issued on your firm's behalf or a firm where you were the principal?
   ☐ Yes ☒ No

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances.

F. PERFORMANCE HISTORY:

1. In the past five (5) years, has your firm been found civilly liable, either in a court of law or pursuant to the terms of a settlement agreement, for defaulting or breaching a contract with a government agency?
   ☐ Yes ☒ No

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances.

2. In the past five (5) years, has a government agency terminated your firm's contract prior to completion?
   ☐ Yes ☒ No

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances and provide principal contact information.

G. COMPLIANCE:

1. In the past five (5) years, has your firm or any firm owner, partner, officer, executives or management been criminally penalized or found civilly liable, either in a court of law or pursuant to the terms of a settlement agreement for violating any federal, state or local law in performance of a contract, including but not limited to laws regarding health and safety, labor and employment, wage and hours, and licensing laws which affect employees?
   ☐ Yes ☒ No

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances surrounding each instance; include name of entity involved, specific infraction(s) or violation(s), dates of instances, and outcome with current status.

2. In the past five (5) years, has your firm been debarred or determined to be non-responsible by a government agency?
   ☐ Yes ☒ No

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances of each instance; include name of entity involved, specific infraction, dates, and outcome.

H. BUSINESS INTEGRITY:

1. In the past five (5) years, has your firm been convicted of or found liable in a civil suit for making a false claim or material misrepresentation to a private or governmental entity?
   ☐ Yes ☒ No

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances of each instance; include the entity involved, specific infraction(s) or violation(s), dates, outcome and current status.

2. In the past five (5) years, has your firm or any of its executives, management personnel, or owners been convicted of a crime, including misdemeanors, or been found liable in a civil suit involving the bidding, awarding, or performance of a government contract?
   ☐ Yes ☒ No

   If **Yes**, use *Pledge of Compliance Attachment "A"* to explain specific circumstances of each instance; include the entity involved, specific infraction(s), dates, outcome and current status.

I. TYPE OF SUBMISSION: This document is submitted as:

☐ Initial submission of *Contractor Standards Pledge of Compliance.*

☒ Update of prior *Contractor Standards Pledge of Compliance* dated _____/_____/_____.

Complete all questions and sign below. Each *Pledge of Compliance Attachment "A"* page must be signed.

Under penalty of perjury under the laws of the State of California, I certify I have read and understand the questions contained in this *Pledge of Compliance* and that I am responsible for completeness and accuracy of responses and all information provided is true to the best of my knowledge and belief. I further certify my agreement to the following provisions of San Diego Municipal Code §22.3224:

(a) To comply with all applicable local, State and Federal laws, including health and safety, labor and employment, and licensing laws that affect the employees, worksite or performance of the contract.

(b) To notify the Purchasing Agent within fifteen (15) calendar days upon receiving notification that a government agency has begun an investigation of the Contractor that may result in a finding that the Contractor is or was not in compliance with laws stated in paragraph (a).

(c) To notify the Purchasing Agent within fifteen (15) calendar days when there has been a finding by a government agency or court of competent jurisdiction of a violation by the Contractor of laws stated in paragraph (a).

(d) To provide the Purchasing Agent updated responses to the *Contractor Standards Pledge of Compliance* within thirty (30) calendar days if a change occurs which would modify any response.

(e) To notify the Purchasing Agent within fifteen (15) days of becoming aware of an investigation or finding by a government agency or court of competent jurisdiction of a violation by a subcontractor of laws stated in paragraph (a).

(f) To cooperate fully with the Purchasing Agent and the City during any investigation and to respond to a request for information within ten (10) working days from the request date.

Failure to sign and submit this form with the bid/proposal shall make the bid/proposal non-responsive.

RON CREIGHTON	Ron Creighton	5-4-11
Print Name, Title	Signature	Date

City of San Diego Purchasing & Contracting Department
CONTRACTOR STANDARDS
Pledge of Compliance Attachment "A"

Provide additional information in space below. Use additional *Pledge of Compliance Attachment "A"* pages as needed; sign each page. Print in ink or type responses and indicate question being answered. Information provided will be available for public review, except if exempt from disclosure pursuant to applicable law.

Under penalty of perjury under the laws of the State of California, I certify I have read and understand the questions contained in this *Contractor Standards Pledge of Compliance* and that I am responsible for completeness and accuracy of responses on this *Pledge of Compliance Attachment "A"* page and all information provided is true to the best of my knowledge.

RON CREIGHTON SALES		MAY 4, 2011
Print Name, Title	Signature	Date

EQUAL BENEFITS ORDINANCE CERTIFICATION OF COMPLIANCE

For additional information, contact:
CITY OF SAN DIEGO
EQUAL BENEFITS PROGRAM
202 C Street, MS 9A, San Diego, CA 92101
Phone (619) 533-3948 Fax (619) 533-3220

COMPANY INFORMATION

Company Name: SAN DIEGO FREIGHTLINER
Contact Name: RON CREIGHTON
Company Address: 6006 MIRAMAR ROAD
Contact Phone: 562-447-1515
SAN DIEGO, CA. 92121
Contact Email: RCreighton@lafreig

CONTRACT INFORMATION

Contract Title: AUTOMATED SIDE LOADERS
Start Date:
Contract Number (if no number, state location): 10008789-11E
End Date:

SUMMARY OF EQUAL BENEFITS ORDINANCE REQUIREMENTS

The Equal Benefits Ordinance [EBO] requires the City to enter into contracts only with contractors who certify they will provide and maintain equal benefits as defined in San Diego Municipal Code §22.4302 for the duration of the contract. To comply:

- Contractor shall offer equal benefits to employees with spouses and employees with domestic partners.
  - Benefits include health, dental, vision insurance; pension/401(k) plans; bereavement, family, parental leave; discounts, child care; travel/relocation expenses; employee assistance programs; credit union membership; or any other benefit.
  - Any benefit not offered to an employee with a spouse, is not required to be offered to an employee with a domestic partner.
- Contractor shall post notice of firm's equal benefits policy in the workplace and notify employees at time of hire and during open enrollment periods.
- Contractor shall allow City access to records, when requested, to confirm compliance with EBO requirements.
- Contractor shall submit *EBO Certification of Compliance*, signed under penalty of perjury, prior to award of contract.

NOTE: This summary is provided for convenience. Full text of the EBO and its Rules are posted at *www.sandiego.gov/administration.*

CONTRACTOR EQUAL BENEFITS ORDINANCE CERTIFICATION

Please indicate your firm's compliance status with the EBO. The City may request supporting documentation.

☒ I affirm **compliance** with the EBO because my firm *(contractor must select one reason):*

- ☒ Provides equal benefits to spouses and domestic partners.
- ☐ Provides no benefits to spouses or domestic partners.
- ☐ Has no employees.
- ☐ Has collective bargaining agreement(s) in place prior to January 1, 2011, that has not been renewed or expired.

☐ I request the City's approval to pay affected employees a **cash equivalent** in lieu of equal benefits and verify my firm made a reasonable effort but is not able to provide equal benefits upon contract award. I agree to notify employees of the availability of a cash equivalent for benefits available to spouses but not domestic partners and to continue to make every reasonable effort to extend all available benefits to domestic partners.

It is unlawful for any contractor to knowingly submit any false information to the City regarding equal benefits or cash equivalent associated with the execution, award, amendment, or administration of any contract. [San Diego Municipal Code §22.4307(a)]

Under penalty of perjury under laws of the State of California, I certify the above information is true and correct. I further certify that my firm understands the requirements of the Equal Benefits Ordinance and will provide and maintain equal benefits for the duration of the contract or pay a cash equivalent if authorized by the City.

BRYAN KOBUS		MAY 6, 2011
Name/Title of Signatory	Signature	Date

FOR OFFICIAL CITY USE ONLY

Receipt Date: EBO Analyst: ☐ Approved ☐ Not Approved – Reason:

rev 02/15/2011

ATTACHMENT A

City of San Diego

EQUIPMENT AND VEHICLE FINANCING PROGRAM

Vendor Requirements

The Equipment and Vehicle Financing Program is a lease-to-purchase program to finance City equipment acquisitions. At the City's option, the Equipment and Vehicle Financing Program may be used to fund new acquisitions. The following information outlines the Equipment and Vehicle Financing Program requirements for vendors.

EQUIPMENT ORDERS

Successful Bidders will receive an Order Letter in place of a Purchase Order from the City's Financing Services Department. A sample Order Letter is attached. The Order Letter will designate the equipment to be ordered and will confirm that the City has obtained pre-approval from a lease provider to fund the acquisition.

- Sign the Order Letter and return a copy to City of San Diego Financing Services, within ten (10) business days to acknowledge receipt of the order.

- The Order Letter will designate a lease number to be used by the vendor on all shipping and billing documents.

DOCUMENTATION REQUIRED FROM VENDORS PRIOR TO FUNDING

The lease provider will make full payment to the vendor upon receiving approval from the City. The City will provide approval only after the equipment has been accepted by the acquiring Department and the complete documentation from the vendor detailed below has been received.

- Two invoice copies are required: one (1) to be provided directly to the City Department acquiring the equipment and one (1) to be provided directly to the City's Financing Services Department. Addresses are provided in the Order Letter.

- A copy of the Manufacturer's Certificate of Origin for vehicles is required by the City's lease provider prior to funding the equipment. Vendors are requested to provide a copy of the Manufacturer's Certificate of Origin to the City with the invoices at the time of delivery or a minimum of seven (7) business days prior to receipt of funds.

- The lease provider is required to be designated as lienholder on the title and Manufacturer's Certificate of Origin for all vehicles purchased. The City will be named as titleholder.

SALES TAX PAYMENT

Sales tax will not be financed.

- Sales tax will be paid by the City directly to California vendors in a separate check at 7.75%.

- Sales tax will be paid by the City directly to the State of California at 7.75%, for out-of-state vendors. This will be confirmed in the Order Letter. If further verification of sales tax payment is required by out-of-state vendors, contact the Master Lease Program Administrator.

PAYMENT FOR EQUIPMENT

Funding will require a minimum of seven (7) business days for processing by Financing Services and the City's lease provider, after receipt of written acceptance of the equipment from the acquiring City department. Acquisitions CAN NOT and WILL NOT be funded until the acquiring City department accepts and approves the equipment.

Funds will be wired or overnighted by the lease provider, depending on the dollar value of the acquisition. Financing Services will notify vendors of the date funds are scheduled to be wired or overnighted.

To receive wired funds, vendors must provide the following information on COMPANY LETTERHEAD:

- Name, address and telephone number of bank to which funds are to be wired;
- Bank routing number;
- Account number and account name;
- Signature and title of person supplying this information; and,
- Vendor federal tax I.D. number

QUESTIONS

- Questions about the Equipment and Vehicle Financing Program may be directed to Sonya Prado, Debt Management, (619) 236-6640.

- Vendors are prohibited from contacting the City's lease provider regarding the Equipment and Vehicle Financing Program or vendor payment status.

Date

Vendor Representative
Vendor Name
Street Address
City, State Zip Code

Dear Mr./Ms:

Subject: 10008789-11-E

The City of San Diego is ordering the equipment described below from VENDOR in accordance with the specifications of bid number 10008789-11-E. This order is independent of any other equipment the City of San Diego may order from VENDOR through a purchase order. The total price of this order is $ _____ plus sales tax. The equipment will be funded by the City through a lease purchase agreement with LEASE PROVIDER. Preapproval of the lease purchase through LEASE PROVIDER is enclosed.

The equipment to be lease purchased is:

- Quantity (#) Brand Name, Model, and Description

This letter authorizes VENDOR to provide the City with the equipment as specified and to bill the City for the sale. Upon passing the City's incoming inspection and upon receipt of original invoice(s) and, if appropriate, manufacturer's certificate(s) of origin, the City will notify LEASE PROVIDER to make payment for the equipment. The sales tax will be paid by the City to VENDOR in a separate check at 7.75%.

Please use lease #**NUMBER** on all shipping and billing documents related to this order. Where appropriate, equipment identification number(s) should be listed on the invoice(s). Please send original invoices to the City at the following addresses:

City Department

Mark Caroccia
Financing Services
City of San Diego
2740 Caminto Chollas, MS42
San Diego, CA 92105

Page 2 - LEASE NUMBER
Vendor Representative
Vendor.

Please sign below, indicating your acceptance of this order, and return a copy of this letter within ten (10) business days to Sonya Prado at the above address. Please refer questions regarding the leasing procedure to Sonya Prado, Financing Services, (619) 533-6491. Thank you.

Sincerely,

Mary Lewis
Chief Financial Officer
kb

Enclosure: Lease Pre-Approval Form

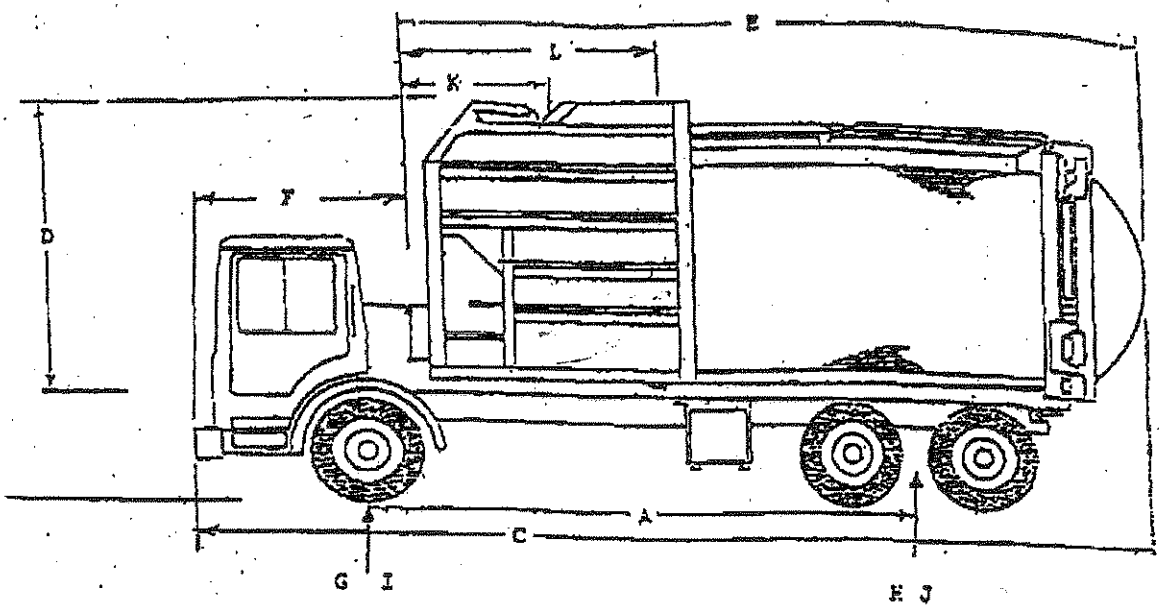
_____ _____

Vendor Date

ATTACHMENT B

GROUND REACTION AND SPECIFICATION CHART

THE VENDOR SHALL SUBMIT A GROUND REACTION CHART FOR BOTH THE FRONT LOADER AND REAR LOADER



A. Wheel Base 209" - 210" inches

C. Overall Length 381" inches

D. Height Above Frame 95" Packer body inches

E. Body Length 310" inches

F. Bumper to Back of Cab 62" inches (Autocar ACX64 with Pusher Axle)

G. Front Axle Loading Empty 18,224 pounds

H. Rear Axle Loading Empty 15,223 pounds

I. Front Axle Loading (10 Ton Payload) *10.5 Tons 18,861 pounds * Weight shown at 10.5 Tons

J. Rear Axle Loading (10 Ton Payload) *10.5 Tons 34,000 pounds * Weight shown at 10.5 Tons

K. Center of Gravity (Empty Truck) 95" inches

L. Center of Gravity (10 Ton Payload) 197" inches

M. Overall Height 144" inches

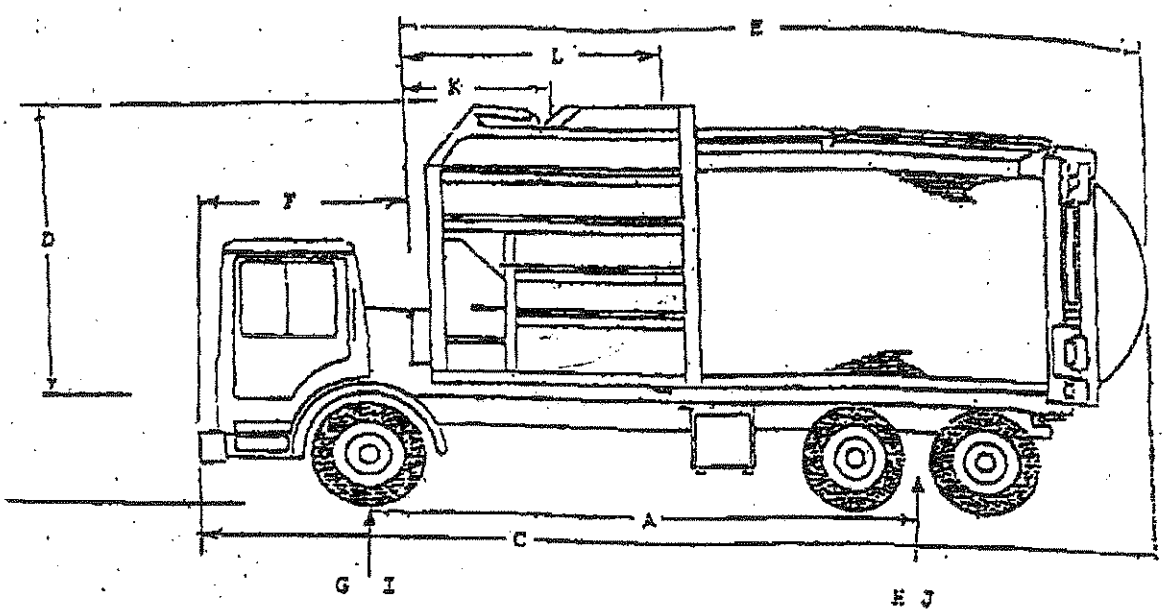
*NOTE: Weight Distributions Based on 10.5 Ton Legal Payload Required by Bid Specifications. Actual Legal Payload May Exceed 10.5 Tons. (Pusher Axle Payload Distribution Not Accounted For Here.)

NOTE: Weight Distribution Does Not Reflect Pusher Axle Loading of 1,586 lbs

ATTACHMENT B

GROUND REACTION AND SPECIFICATION CHART

THE VENDOR SHALL SUBMIT A GROUND REACTION CHART FOR BOTH THE FRONT LOADER AND REAR LOADER



A. Wheel Base 194" - 195" inches

C. Overall Length 397" inches

D. Height Above Frame 95" Packer body inches

E. Body Length 326" inches

F. Bumper to Back of Cab 62" inches (Autocar ACX64 with TAG Axle)

G. Front Axle Loading Empty 16,631 pounds

H. Rear Axle Loading Empty 17,290 pounds

I. Front Axle Loading (10 Ton Payload) *10.5 Tons 17,225 pounds * Weight shown at 10.5 Tons

J. Rear Axle Loading (10 Ton Payload) *10.5 Tons 34,000 pounds * Weight shown at 10.5 Tons

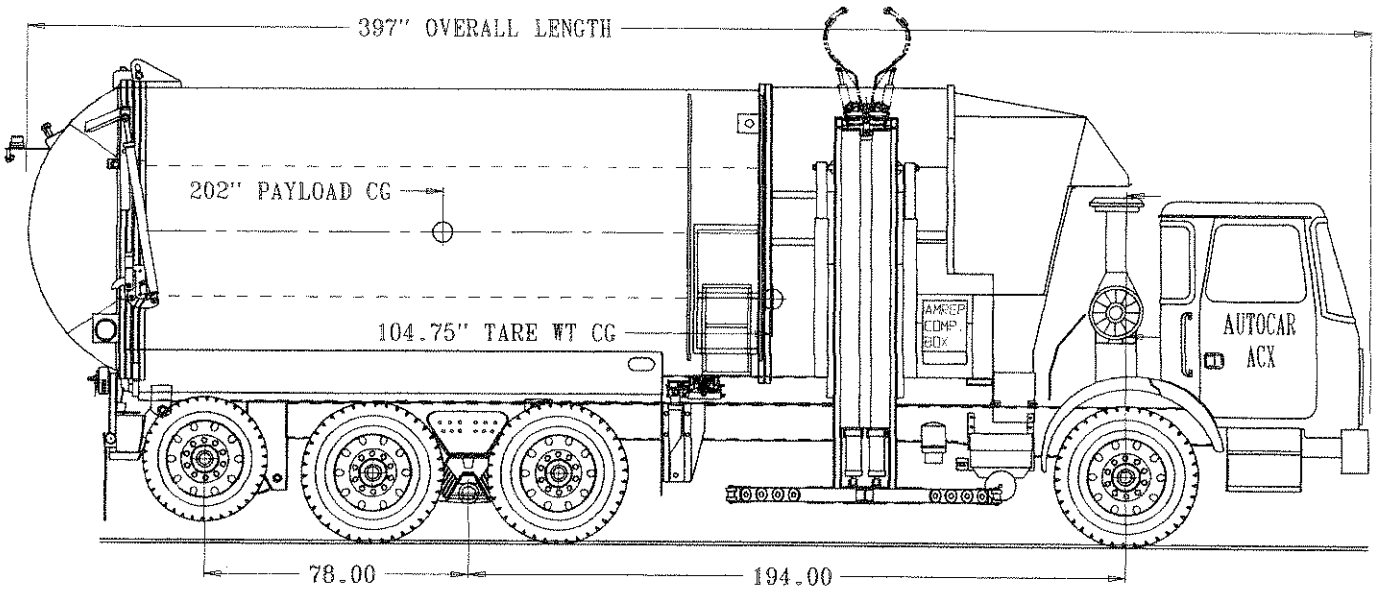
K. Center of Gravity (Empty Truck) 105" inches

L. Center of Gravity (10 Ton Payload) 202" inches

M. Overall Height 144" inches

*NOTE: Weight Distributions Based on 10.5 Ton Legal Payload Required by Bid Specifications. Actual Legal Payload May Exceed 10.5 Tons. (Tag Axle Payload Distribution Not Accounted For Here.)

NOTE: Weight Distribution Above Does Not Reflect Tag Axle Loading of 3,696lbs



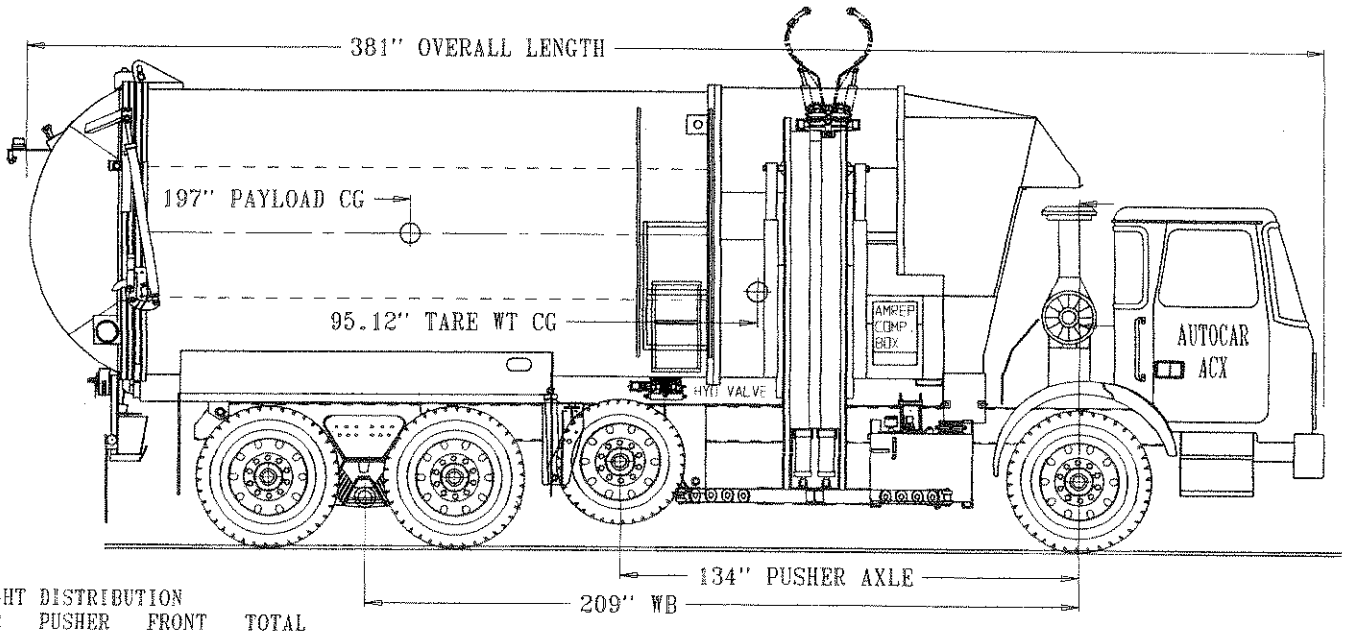
"WEIGHT DISTRIBUTION -

TAG	REAR	FRONT	TOTAL	
0000	7508	10243	17751	CHASSIS AND TAG 194 WB
0000	-24	244	220	DRIVER
0000	95	155	250	FUEL
0000	9711	5989	15700	BODY
0000	17290	16631	33921	TARE WT CG @ 104.75"
0000	21866	-866	21000	PAYLOAD @ 202"
0000	39156	15765	54921	TOTAL GVW
3696	-5156	1460	<5156>	TAG AXLE DOWN
3696	34000	17225	54921	TOTAL GROSS

AMREP®

REF 33 ALH SAN DIEGO
WEIGHT DISTRIBUTION
FOR CITY OF SAN DIEGO
4 AXLE W/TAG

MIKE VERNER
APR 29TH, 2011



"WEIGHT DISTRIBUTION

REAR	PUSHER	FRONT	TOTAL	
5911	0000	10566	16477	CHASSIS 209 WB
638	0000	362	1000	PUSHER UP
-24	0000	244	220	DRIVER
95	0000	155	250	FUEL
8603	0000	6897	15500	BODY
15223	0000	18224	33447	TARE WT CG @ 95.12"
19794	0000	1206	21000	PAYLOAD @ 197"
35017	0000	19430	54447	TOTAL GVW
-1017	1586	-569	<1586>	PUSHER DOWN
34000	1586	18861	54447	TOTAL GROSS

AMREP®

REF 33 ALH SAN DIEGO
WEIGHT DISTRIBUTION
FOR CITY OF SAN DIEGO
4 AXLE W/PUSHER

MIKE VERNER
APR 29TH, 2011

Bid No. 10008789-11-E

Questions and Answers

Please note these questions and answers are being provided for informational purposes only.

1. **Question:** Page 8 – Renewal % is it annual or 5 years?

   Answer: Annual as per Section H, page 8 of 10 "Option to Renew".

2. **Question:** Page 8 - Month to month extension – What different to annual renew?

   Answer: In extreme cases, the City may request a "month-to-month" extension upon expiration of the current contracts final option period. However, the City works to rebid all requirements prior to the contract's expiration date.

3. **Question:** Page 9 – Price adjustment – what about the first year? Would the City order an additional quantity in initial year AFTER the initial PO order.

   Answer: Bidders price remains current for the first year of contract.

   As per the "Price Adjustment Clause" paragraph I on page 9 of 10 of the subject bid, price adjustments are only considered if "In the event the Contractor does not request a price increase at the time of the contract renewal, and the Manufacturer subsequently announces a general increase in the price of their products, the Contractor may request an increase at that time.."

   Please see General Provision page 4 paragraph 5, "*Quantities*".

4. **Question:** Page 11 – Warranty Bond – Is the Bond required on each Option Year if extended? Is the Warranty Period based on the Standard Chassis Warranty Period of One (1) Year (not extended component warranty requirements)?

   Answer: Yes.

   A warranty bond assures the City that the sale of goods and services are warranted or guaranteed by the contractor to perform as promised in the contract. Under the warranty bond the contractor is responsible for present or future losses if the goods or services do not perform as promised.

5. **Question:** Page 12 – Clarify Liquidated Damages Paragraph 3 and 4 – seems to conflict. Not clear.

   "Liquidated damages shall not apply to time elapsing between date of delivery and date of notification to the successful Bidder of rejection of sub-specification material."?

   "The above conditions may be invoked if deliveries exceed the specified time or if replacement of material not meeting specification exceeds the specified time."

Does this mean if the target delivery is 195 days and we deliver in 195 days and if rejected for some reason that a penalty could apply?

Answer: Yes, as stated in Section II, paragraph L.4.

6. **Question:**

Page 12 – Delays caused by component manufacturers from radios, transmissions, engines to aluminum wheels and tires (examples) are all beyond the control of the Prime Contractor. Can we broaden the area of exempted delays to include such? Liquidated Damages need to be softened?

Answer: Please see General Provisions page 20, paragraph 15 "Subcontractors" and page 11, paragraph 5, a and b "Delays".

7. **Question:** Page 12 – If delays are caused by suppliers specified by the City, can the Liquidated Damage clause be waived since we are not choosing the supplier?

Answer: Please see General Provisions page 20, paragraph 15 "Subcontractors" and page 11, paragraph 5 a& b "Delays".

8. **Question:** Page 13- Quantity – 20 stated. But we are to bid a price for any quantity for any quantity from 1-20+? Is there a date we can work with on when an order would be issued?

Answer: See Addendum B.

9. **Question:** Contractor Compliance – should this be applied to major sub contractors such as body, radio, scales and camera if dollar value $50,000 or greater?

Answer: See addendum page 13. See General Provisions page 20, paragraph 15 "Subcontractors" and page 11.

10. **Question:** Equal Benefit Ordinance – does this apply to subs?

Answer: No, the EBO does not apply to subcontractors. See SD Municipal Code Section 22.4302, Definitions, Contractor: "Contractor does not include subcontractor."

11. **Question:** Page 17 – Delivery – Is this based on the first unit delivered and accepted within the committed time period? It is likely that the flow of delivery's will occur over a series of weeks or months based on quantity ordered. The production flow at chassis, body and other aftermarket items is a "flow". Liquidated Damages – based on first unit?

Answer: Please review General Provisions *"Delivery"* page 7, paragraph 8.

12. **Question:** Page 18 – Optional extended Body Warranty/ other warranty – is the Prime Contractor obligated to support this warranty in the event of body company or other failing to do so?

Answer: Yes. See General Provisions page 20, paragraph 15 "Subcontractors" and page 11.

13. **Question:** Page 20 – Will the City advise what equipment it has Demo'd to include body manufacturers in the past 6 months?

    Answer: Purchasing & Contracting saw no demonstration of equipment.

14. **Question:** Page 24 – GVWR – can this be changed to 58,000lb. It exceeds the required specifications and matches previous trucks in fleet. If left at 60,000lb, Peterbuilt must submit exception and will be limited in our bid response.

    Answer: See Addendum B.

15. **Question:** Engine – since the only engine that meets your spec is the Cummins ISL 345hpo can that be specified?

    Answer: See page 25, item 4.

16. **Question:** Toe board – can we have picture sample of approved design? It is not a standard feature on Peter bilt as it appears to be on Crane Carrier and Autocar. We will provide but need a sample.

    Answer: This is a non critical item and no changes are required.

17. **Question:** Page 39- radio speakers – located above doors – we will replace screws with tamper proof screws – is acceptable?

    Answer: See Addendum B

18. **Question:** Page 17 - Delivery – can this be changed to have Bidder state what we will commit to so we don't state an exception?

    Answer: Yes. State delivery time in cover page and review General Provisions page 7, paragraph 8 "Delivery".

19. **Question:** Page 17 - Warranty – standard base warranty is 12 months. There are various components that exceed this either through City Requirements (steering box, radiator, engine, transmission etc). Is the pickup and delivery (including towing) based on 12 months?

    Answer: Yes.

20. **Question:** The body is a major component to this project. Can the City require the body company to provide the warranty service location and a performance bond to the City as well?

    Answer: No. See General Provisions page 20, paragraph 15 "Subcontractors" and page 11.

21. **Question:** Manuals and info – there are many ways to respond an most won't help you. Can you list the manuals you want? All bidders have to get the same items – can you provide the Manual Part numbers you want? There are several different types but Allison and Cummins are the core.

    Answer: The latest OEM manuals for engines, transmissions, and major components.

22. **Question:** Page 23 – Video CD Training guides – I have not found a good solution. Approved instructional videos require legal approval from Rush Enterprises. Same applies to body company's that I have spoken to. Can this be changed as we will not be able to provide. I believe we answered the same way on previous bids in years past.

    Answer: Bidders may take exceptions.

23. **Question:** Page 27 – Transmission shifter – confirming touch pads not acceptable?

    Answer: No changes.

24. **Question:** Can we get a two week extension to bid opening? There is a lot of work to do with multiple potential sub contractors.

    Answer: See Addendum A.

*** End of Questions and Answers ***

SAN DIEGO FREIGHTLINER

VELOCITY VEHICLE GROUP
MOVING YOU FORWARD

6006 Miramar Road, San Diego Ca 92121
619-564-3700
www.SanDiegoFreightliner.com

Beverly Asbill-Gumbs
City of San Diego
Purchasing and Contracting
1200 Third Avenue, Suite 200
San Diego, Ca 92101-4195

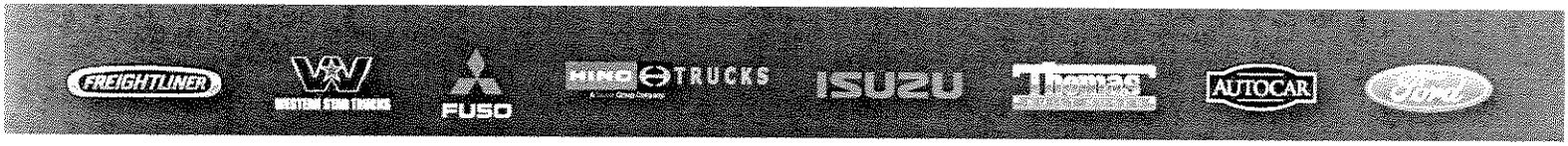
Dear Beverly,

We would like to provide a few additional items.

1. Our base bid price of $217,226.44 will include the city's choice to purchase an automated refuse packer(s) that utilize either a pusher axle or a tag axle package. Either package will be included at the same base bid price. We have included weight distributions for both axle packages.
2. Autocar chassis' are produced using 25% recycled material. We will provide proof of the recycled material post bid opening.

Thank you,

Dan Walters and Ron Creighton
San Diego Freightliner
dwalters@sandiegofreightliner.com
760/644-1269



Daimler Truck Financial

May 6, 2011

Michael Fate
Daimler Truck Financial
13650 Heritage Pkwy
Ft. Worth, TX 76177

Dear Mr. Caroccia,

Subject: 10008789-11-E

The City of San Diego is ordering the equipment described below from Los Angeles Freightliner in accordance with the specifications of bid number 10008789-11-E. This order is independent of any other equipment the City of San Diego may order from Los Angeles Freightliner through a purchase order. The total price of this order is $4,360,000.00, plus sales tax. The equipment will be funded by the City through a lease purchase agreement with Daimler Truck Financial. Pre-approval of the lease purchase through Daimler Truck Financial is enclosed.

The equipment to be lease purchased is:

- Twenty (20) AUTOCAR, ACX64 Automated Side Loaders.

This letter authorizes Los Angeles Freightliner to provide the City with the equipment as specified and to bill the City for the sale. Upon passing the City's incoming inspection and upon receipt of the original invoice(s) and, if appropriate, manufacturer's certificate(s) of origin, the City will notify Daimler Truck Financial to make payment for the equipment. The sales tax will be paid by the City to Los Angeles Freightliner in a separate check at 7.75%.

Please use lease #, TBD, on all shipping and billing documents related to this order. Where appropriate, equipment identification number(s) should be listed on the invoice(s). Please send original invoices to the City at the following addresses:

City Department

Mark Caroccia
Financing Services
City of San Diego
2740 Caminto Chollas, MS42
San Diego, CA 92105

Please sign below, indicating your acceptance of this order, and return a copy of this letter within ten (10) business days to Sonya Prado at the above address. Please refer questions regarding the leasing procedure to Sonya Prado, Financing Services, and (619) 533-6491. Thank you.

Sincerely,

Mary Lewis
Chief Financial Officer
kb

Enclosures: Lease Pre-Approval Form

Daimler Truck Financial

5-6-11
Date

ACX64

Refuse Parts & Maintenance-Autocar Trucks d/b/a
LA Freightliner
2429 S Peck Rd
Whittier, CA 90601

Prepared By : RON CREIGHTON
562-447-1515
rcreighton@lafreightliner.com

Prepared For : BEVERLY ASBILL-GUMBS
CITY OF SAN DIEGO

Wednesday, May 4, 2011 9:56:51 PM EST

Vehicle Specification

			Description	Front Weight	Rear Weight	Price
AUTOCAR TRUCKS						
S	0040002	**MODELS**	ACX64			
O	5000002	**CAB SHELL**	SINGLE RIGHT HAND DRIVE CAB			
S	100T98	**CUSTOMER LAYOUT**	NONE			
S	680004	**NAME PLATES,STD**	AUTOCAR			
S	004N064	**CHASSIS VIN IDENTIFIER**	6 X 4			
SOLUTION						
O	C01003	**APPLICATION**	REFUSE - LANDFILL			
O	C02004	**BODY TYPE**	AUTOMATED SIDE LOADER			
O	C03002	**TERRITORY**	WEST COAST			
O	C06403	**BODY STYLE**	AMREP HX450ASL ELIPTICAL			
O	C05999	**BODY CAPACITY**	UNDETERMINED OR N/A			
O	D010200	**FRONT GAWR**	20000 LBS			
O	D020400	**REAR GAWR**	40000 LBS			
O	D040000	**PUSHER AXLE GAWR**	OTHER - CUSTOMER SUPPLIED PUSHER			
O	D100600	**GVWR**	60000 LBS			
VEHICLE ADAPTATION						
O	1140005	**COUNTRY OF USE**	CALIFORNIA SPECIFIC U.S. VEHICLE ADAPTATION			
ENGINE						
S	1580001	**ENGINE VOCATION**	COMMERCIAL - DOMESTIC (DOT)			
S	1010043	**ENGINE ASSY**	ISL '10, 345HP @ 2100/1150 FT-LBS, CUMMINS			
O	102345	**ENGINE HORSEPOWER RATING**	345 HORSE POWER			
S	103003	**ENGINE OIL CHECK & FILL**	EXTERIOR CHECK AND FILL			
S	105001	**ENGINE FLYWHEEL HOUSING**	SAE NUMBER 1 HOUSING			
S	111001	**DRAIN PLUG-ENGINE**	MAGNETIC			
S	120001	**ENGINE SUPPORTS**	STEEL NODAL MOUNT			
S	4460001	**FUEL TYPE**	ULTRA-LOW SULPHUR DIESEL FUEL REQUIRED			
S	972A001	**SPECIAL EMISSION CERTIFICATION LABELS**	50 STATE - CALIFORNIA CLEAN IDLE CERTIFIED (DIESEL)			

ENGINE EQUIP

O	122002	**PTO-ENGINE FRONT**	ADAPTER FOR SPICER 1350
S	128071	**ENGINE CONTROL SPECIFICATIONS**	DEFAULT SPECS
S	P010065	**VEHICLE GOVERENED SPEED LIMIT**	SPEED LIMIT 65MPH
O	P020002	**ENGINE IDLE SHUT DOWN**	ENGINE IDLE SHUT DOWN DISABLED
S	1290001	**ENGINE ELECTRONICS**	CUMMINS DIESEL, W/PARKED MANUAL REGEN INITIATE SWITCH
S	P030001	**CRUISE CONTROL PARAMETER**	CRUISE CONTROL ENABLED
S	132034	**ENGINE PROTECT SYSTEM/WARNINGS**	AUDIBLE/VISUAL ALARM/LOP, HT, LWL
S	4380003	**FILTER-FUEL, CHASSIS MOUNTED**	FLEETGUARD FS 1003 F/W SEPARATOR W/PROBE & DASH LIGHT
S	1700001	**FILTER-FUEL, ENGINE MOUNTED**	SECONDARY SPIN-ON FILTER, REMOTE MTD.
S	171013	**FILTER-ENGINE OIL BY-PASS**	CUMMINS ENGINE OIL FILTER
S	172007	**FILTER-ENGINE OIL FULL FLOW**	CUMMINS COMBINATION FULL FLOW/BYPASS
S	174V98	**FUEL HEATER**	NO HEAT EXCHANGER PROVIDED
S	1750001	**ENGINE OIL**	STANDARD ENGINE OIL
S	2000004	**RADIATOR**	1300 SQ. IN., 2-ROW HIGH CAPACITY ALUMINUM
S	201002	**FAN SHROUD**	FAN RING
S	204002	**COOLANT HOSES**	SILICONE HOSES WITH STEEL TUBING
S	2080001	**FAN & DRIVE-ENGINE**	2-SPEED FAN
S	2090001	**RADIATOR COOLANT**	EXTENDED LIFE COOLANT
S	210002	**RADIATOR CHECK/FILL**	EXTERIOR COOLANT CHECK AND FILL
S	2120001	**RADIATOR SURGE TANK**	SURGE TANK WITH REMOTE FILL
S	219001	**AIR CHARGE SYSTEM**	COOLING
S	2200001	**AIR CLEANER**	15" ONE STAGE EPG CLEANER DONALDSON
S	222001	**AIR CLEANER INLET PIPING**	ALUMINUM STACK
S	226001	**AIR INTAKE RAIN CAP**	BLACK, HOOD TYPE
X	2300006	**MUFFLER SYSTEM**	HORZ DPF W/ RH VERTICAL SCR
S	2310003	**EXHAUST SHIELDS**	DPF & SCR SHIELDS

S	2320003	**EXHAUST STACKS**	VERTICAL DIFFUSER, SINGLE STAINLESS STEEL
S	235002	**EXHAUST PIPING**	STAINLESS STEEL FLEX SECTIONS
S	236002	**MUFFLER SUPPORT**	FRAME MOUNTED
O	2390002	**UREA DELIVERY SYSTEM**	OVER-FENDER MTD., LH SIDE, 10 GAL. CAPACITY
S	5300001	**ENGINE/EXHAUST COVER**	ALUM TURBO/EXHAUST PIPE DEBRIS SHIELD
S	700026	**AIR COMPRESSOR**	CUMMINS WABCO 18.7 CFM COMPRESSOR
S	701001	**GOVERNOR-AIR COMPRESSOR**	STANDARD
O	802115	**ALTERNATOR**	DELCO REMY 12V 145AMP 22SI
S	8200002	**STARTING MOTOR**	DELCO REMY 12V 39 MT

TRANSMISSION

S	2550002	**TORQUE CONVERTER**	TORQUE CONVERTER TC 521
S	2580003	**VOCATION**	RDS REFUSE - VOC 400-XXX
O	269027	**CONTROL MODULE (ELECT)**	REFUSE W/ AN & SERVICE BRAKE GRP106, VP170
S	27G0009	**TRANSMISSION GENERATION LEVEL**	MY'09 ALLISON TRANS FAMILY (W/PROGNOSTICS)
S	26A0001	**TRANSMISSION SHIFT SCHEDULE**	XXXX PRIMARY PERFORMANCE / SECONDARY ECONOMY
O	2700028	**TRANSMISSION**	ALLISON 4500 SERIES,6-SPEED
S	284016	**TRANSMISSION CONTROLS**	ALLISON PUSHBUTTON CONTROLS
S	286005	**COOLER-TRANSMISSION OIL**	OIL TO WATER TYPE
S	290003	**TRANSMISSION OIL FILL/CHECK**	OIL FILL TUBE / DIPSTICK W/ LEVEL SENSOR
S	291001	**DRAIN PLUG-TRANSMISSION**	MAGNETIC
S	292004	**TRANSMISSION LUBRICANT**	TRANSYND SYNTHETIC AUTO TRANS FLUID
S	300011	**DRIVESHAFT-MAIN**	SPICER 1760HD HALF ROUND
S	302007	**DRIVESHAFT-INTER-AXLE**	1710 WITH HALF ROUND YOKES

FRONT AXLE -> FRONT AXLE

S	3700002	**FRONT AXLE**	MERITOR MFS-20 STEER AXLE, 20000# CAPACITY
S	3690003	**FRONT AXLE POSITION**	53.5 INCHES
O	3710003	**FRONT SUSPENSION**	TAPER LEAF REDUCED RIDE HEIGHT, 22,000 LB CAPACITY

O	371T01	**SUSPENSION, FRONT AUX**	AUX LOAD CUSHION
S	373002	**SHOCK ABSORBERS-FRONT**	DOUBLE ACTING SINGLE - HEAVY DUTY
O	904012	**HUBS-FRONT**	ALUMINUM HUB PILOTED,285MM BOLT CIRCLE
S	9400001	**WHEEL OIL SEALS-FRONT**	SCOTSEAL PLUS XL
S	9210001	**HUB CAPS - FRONT AXLE**	CR ZYTEL HUBCAP
S	943001	**WHEEL BEARINGS-FRONT**	STANDARD
O	374002	**FRONT AXLE LUBRICANT**	SYNTHETIC,DANA SPICER EP75W90,OR EQUIV
O	7510001	**BRAKES-FOUNDATION, FRONT AXLE**	ARVIN MERITOR FRONT 16.5X7" QP REFUSE BRAKE
S	753018	**BRAKE CHAMBERS-FRONT AXLE**	CAM-STANDARD
S	754009	**BRAKE SLACK ADJUSTERS -FRONT AXLE**	ARVIN MERITOR AUTOMATIC
S	755001	**DUST SHIELDS - FRT BRAKES**	DUST SHIELDS - FRONT BRAKES
S	901001	**BRAKE DRUM-FRONT**	CAST IRON
O	383107	**STEERING GEAR**	INTEGRAL POWER STEERING W/LEFT HAND RAM
S	384009	**POWER STEERING PUMP**	STANDARD P/S PUMP
S	387003	**POWER STEERING RESERVOIR**	FOUR QUART REMOTE MOUNTED
S	388001	**POWER STEERING HOSE**	STANDARD HOSES

REAR AXLE -> REAR AXLE

S	330440	**REAR DRIVE AXLE-SINGLE & TANDEM**	ARVIN MERITOR RT40-145 40,000 LB
S	330U98	**REAR AXLE LUBE PUMP**	NO LUBRICATION PUMP
S	330H001	**REAR DRIVE AXLE-SINGLE & TANDEM**	STANDARD TRACK
O	331529	**REAR DRIVE AXLE RATIO**	5.29
S	3500003	**REAR SUSPENSION**	HENDRICKSON HMX-400 SUSP @ 54" AS
S	351013	**REAR SUSPENSION BEAMS**	54 INCH STEEL RUBBER BUSHED
O	3560001	**REAR DRIVE AXLE STOPS**	REAR BUMPSTOPS REQUIRED
S	358005	**TORQUE RODS**	LONGITUDINAL & TRANSVERSE - RUBBER BUSHED
O	9130002	**HUBS-REAR**	ALUM HUB, HP 10 STUD
S	3400001	**REAR AXLE BREATHER**	STANDARD AXLE BREATHER
S	9410001	**WHEEL OIL SEALS-REAR**	SCOTSEAL PLUS XL
S	944001	**WHEEL BEARINGS-REAR**	STANDARD
O	339002	**REAR AXLE LUBRICANT**	SYNTHETIC

O	7610001	**BRAKES-FOUNDATION, REAR AXLE**	ARVIN MERITOR 16.5X8.62" QP REFUSE BRAKE
S	763019	**BRAKE CHAMBERS-REAR AXLE**	CAM-STANDARD
S	764013	**BRAKE SLACK ADJUSTERS -REAR AXLE**	ARVIN MERITOR AUTOMATIC,TANDEM AXLE
S	765001	**DUST SHIELDS - REAR BRAKES**	DUST SHIELDS - REAR BRAKES
S	781012	**BRAKE CHAMBERS-PARKING, TYPE/VENDOR**	CAM TYPE MGM STOPGARD (4)
S	910001	**BRAKE DRUM-REAR**	CAST IRON
S	338001	**DRAIN PLUG-REAR AXLE**	MAGNETIC, DRAIN AND FILL

AUXILIARY AXLES

O	3520001	**AUX AXLE PREP FOR CUSTOMER SUPPLIED AXLE**	PUSHER PREP W/1500 MIN. ADDITIONAL AIR CAPACITY - NO CONTROLS

BRAKES

S	729002	**AIR LINES-PARKING BRAKE, CHASSIS**	AIR LINES CHASSIS PARK BRAKE
O	741048	**BRAKE CONTROL SYSTEM**	BENDIX ABS WITH FULL TRACTION CONTROL
S	782014	**BRAKE VALVE-PARKING CONTROL**	ONE PUSH - PULL TYPE W/YELLOW DIA-TRUCK
S	736001	**CHECK VALVES-BRAKE SYSTEM**	STANDARD

CHASSIS

S	400209	**WHEELBASE**	209 INCHES
O	402062	**FRAME-REAR OVERHANG**	62"
S	403012	**FRAME RAILS**	3/8" VARIABLE DROP STEEL, EXT B
S	406001	**FRAME-REAR CUT-OFF**	STRAIGHT
S	408001	**FRAME CROSSMEMBER-ENGINE FRONT**	STEEL
S	409002	**FRAME CROSSMEMBER-CENTER**	ALUMINUM
O	4100002	**MISC TSO OPTIONS**	KEEP RH RAIL CLEAR
S	4110002	**FRAME CROSSMEMBER-END CLOSING**	ALUMINUM MEMBER-IF REQUIRED
S	4120002	**FRAME BOLTS**	HUCKSPIN RR SUSP & CROSSMEMBERS
S	4140002	**FRAME CROSSMEMBER-SUSPENSION**	7 PC CMBR AOS
S	4150002	**FRAME CROSSMEMBER-OVERHANG**	ALUM CMBR ROS - IF REQUIRED
S	4160001	**FRAME REINFORCEMENT**	OVERSLUNG X-MEMBER INTEGRAL W/ENG MOUNTS

CHASSIS -> FUEL TANKS

S	430020	**FUEL TANK-LEFT**	75 GAL 26" DIA UNPAINTED ALUMINUM
S	432002	**FUEL TANK STRAP/ SUPPORT LEFT**	PAINTED STEEL
S	4470001	**LH FUEL TANK SPACERS**	LH FUEL TANK STANDARD HEIGHT
S	4280001	**DRILLING FUEL TK SUPT-LEFT**	FUEL TANK MTD FWD LHS - STANDARD (IF PROVIDED)
S	4390001	**GAUGE-FUEL LEVEL**	ELECTRONIC FUEL LEVEL

CHASSIS

S	435001	**FUEL TANK OVERFLOW PIPE**	STANDARD VENT
S	435T98	**TANK CHECK VALVE**	NO BALL CHECK VALVE(S) PROVIDED
S	436001	**FUEL LINES**	SAE J844 NYLON TUBING
O	4600002	**BUMPER-FRONT**	STAINLESS STEEL CLAD ALUMINUM BUMPER
S	480002	**TOWING DEVICE-FRONT**	TWO REMOVABLE TOW PINS

CHASSIS -> AIR TANKS

O	7090001	**AIR TANK DRILLING**	AS MANY TANKS IN RAIL AS POSSIBLE
O	7110002	**AIR TANK-BRAKE**	ALUMINUM AIR TANKS

CHASSIS -> AIR DRYER

S	702002	**AIR LINES-COMPRESSOR DISCHARGE**	TEFLON HOSE
S	713023	**AIR DRYER**	BENDIX ADIP W/HEAT
O	7100001	**AIR DRYER DRILLING**	MOUNT AIR DRYER INSIDE RAIL, LHS

CHASSIS

S	715002	**WET TANK DRAIN**	BENDIX D/V-2 AUTOMATIC
O	715T003	**AIR RESERVOIR DRAIN SYSTEM**	CENTRAL MANIFOLD W/ PETCOCKS
S	722005	**BRAKE VALVES-REAR AXLE**	STANDARD
S	724001	**AIR LINES-CAB**	SAE J844 NYLON TUBING
S	728001	**AIR LINES-MAIN, CHASSIS**	SAE J844 NYLON TUBING
S	783001	**BRAKE MODULATION SYSTEM-PARKING**	PARK BRAKE RELAY/INVERSION VALVE

CHASSIS -> BATTERY BOX

O	8120007	**BATTERY BOX**	STEEL BOX W/ ALUM LID, 3 BATTERY, LHS

S	8160001	**BATTERY BOX SPACERS**	BATTERY BOX STANDARD HEIGHT
S	810089	**BATTERY**	3 JOHNSON CONTROL 31ECL 12V 2250CCA
S	8140002	**BATTERY SHUT-OFF SWITCH**	SHUTOFF W/ LOCKOUT, NO EMERGENCY JUMPER STUDS
S	8090001	**BATTERY BOX DRILLING**	BOX LOCATED AS FAR FORWARD AS POSSIBLE

CHASSIS

O	8740001	**WIRING, BODY INTERFACE**	BODYBUILDER JUNCTION BOX @ BOC
O	892009	**BACKUP ALARM**	ECCO RMS 917 WITH MOTION DETECTOR

CAB EXTERIOR

S	50A0001	**CAB APPEARANCE**	ACX MY2012 FACELIFT
O	4510005	**STEP-CAB ACCESS, CAB MOUNTED**	SINGLE SELF CLEANING CAB ENTRANCE STEP
S	462004	**MUD FLAPS-FRONT WHEEL**	FRONT FLAPS
S	502001	**CAB DOORS**	STEEL
S	502T98	**DOOR CHECK STRAPS**	WITHOUT DOOR CHECK STRAP
S	510003	**GLASS**	ALL GLASS TINTED
S	5170001	**CORNER WINDOWS**	CAB CORNER WINDOWS
S	622003	**MIRRORS-DUAL WEST COAST**	STAINLESS STEEL
O	6190001	**MIRROR ARMS**	SHORT ARM RETRACT, STAINLESS STEEL
S	623026	**MIRRORS-AUXILIARY**	L&R 8" SS/OFFSET BALL STUD GROTE 12173
O	618998	**DOWN VIEW MIRRORS**	NO DOWN VIEW MIRRORS PROVIDED
S	6240001	**GRAB HANDLES-ENTRY**	BRUSHED SS GRAB HANDLES
S	626001	**REFLECTORS - SIDE**	AMBER REFLECTORS
S	630026	**HORN-AIR**	TWIN MOUNTED UNDER CAB
S	631001	**HORN-ELECTRIC**	SINGLE
S	661001	**CAB TILT MECHANISM-C.O.E.**	HYDRAULIC TILT
S	6620001	**CAB LATCH/HOLDDOWN-C.O.E.**	HYDRAULIC CAB LATCHES
S	6720001	**GRILLE**	AUTOCAR GRILLE
S	675001	**BUG SCREENS**	BUG SCREEN MOUNTED BEHIND GRILLE
S	6900001	**FENDERS-FRONT**	IMPACT RESISTANT POLY FENDER MTD. TO CAB

S	6910001	**FENDER EXTENSIONS-FRONT**	IMPACT RESISTANT POLY FENDER

CAB INTERIOR

S	1130003	**CAB INTERIOR ENHANCEMENTS**	ACX STANDARD INTERIOR
S	3800001	**STEERING WHEEL**	16" DIA. WHEEL, 2 SPOKE
S	3810001	**STEERING COLUMN**	ADJUSTABLE TILT STEERING COLUMN
O	5200009	**SEAT-DRIVER**	SEARS C2 SEAT, AIR RIDE
O	5210010	**SEAT-PASSENGER**	SEARS C2 SEAT, FIXED
S	522003	**SEAT BELTS-DRIVER**	THREE POINT RETRACTABLE
S	523003	**SEAT BELTS-PASSENGER**	THREE POINT RETRACTABLE
O	5260002	**SEAT INSERT**	MODURA, ASPHALT COLOR
S	533013	**CAB PANELS-DOOR**	BOTH SIDES
S	538001	**CARPET & MAT**	MAT WITH FOAM BACK
S	5390001	**CAB INTERIOR**	AUTOTUFF INTERIOR UPHOLSTERY
S	5400001	**CAB PANELS-INTERIOR TRIM**	GREY INTERIOR TRIM
S	541004	**CAB PAINTING-INTERIOR**	CODE 980 --- EXTERIOR COLOR
S	542016	**SUN VISOR-INTERIOR**	LEFT AND RIGHT HAND PROVIDED
S	543011	**ARM REST**	LEFT AND RIGHT HAND ARM REST
S	5490001	**CUSTOM TRIM FALL 2004**	CUSTOM TRIM FALL 2004
S	5500001	**CENTER CONSOLE**	CENTER CONSOLE
S	5510001	**REAR CONSOLE**	REAR CONSOLE
S	5530001	**INT TRIM DOOR SILLS**	INT TRIM DOOR SILLS
S	547001	**INSULATION-CAB THERMAL**	THERMAL INSULATION KIT FOR CAB
S	5680001	**ROOF COMPARTMENT**	OVERHEAD CONSOLE
S	570009	**INSTRUMENT PANEL**	COLOR KEYED
S	5930001	**ASH TRAY**	ASHTRAY MTD IN CONSOLE
S	594001	**CIGAR LIGHTER**	DASH MOUNTED
S	624U01	**INTERIOR ENTRY GRAB HANDLES**	LH & RH MTD TO INSIDE OF A-PILLAR
S	630B001	**AIR HORN PULL CORDS**	SINGLE HORN LANYARD
S	864001	**LAMPS-CAB INTERIOR**	DOME LAMP

CAB CLIMATE CONTROL

O	060001	**CAB TEMPERATURE SYSTEM**	AIR COND INTEGRAL WITH HEATER/DEFROSTER
O	6000002	**CAB TEMP SYSTEM**	INTEGRAL AIR CONDITIONING W/ HEATER / DEFROSTER

S	6020001	**HEATER HOSES**	SILICON HOSE WITHOUT HEATER SHUTOFF
S	602C01	**HEATER HOSE CLAMPS**	CONSTANT TORQUE HOSE CLAMPS
S	602S001	**HEATER SHUT OFF**	NO HEATER SHUT-OFF TAP
S	602T98	**HOSE WRAP**	SPECIAL HOSE WRAP NOT PROVIDED
O	608002	**REFRIGERANT TYPE**	R134A
O	611003	**AIR CONDITIONER COMPRESSOR**	STANDARD
O	612001	**AIR CONDITIONER CONDENSER**	STANDARD
O	615004	**AIR CONDITIONER PIPING**	R134A HOSES WITH CRIMPED FITTINGS

GAUGES & INSTRUMENTATION

S	0570002	**INSTRUMENTS SALES PKG**	STANDARD GAUGES
S	1430001	**TRUCK ELECTRICAL CONTROL MODULE**	VANSCO ELECTRICAL CONTROL MODULE W/ NO MONITOR
S	1360001	**TACHOMETER/RPM TACHOGRAPH**	ELECTRONIC TACHOMETER WITH HOURMETER
S	137002	**GAUGE-HOURMETER**	ELECTRONIC, INTEGRAL WITH TACHOMETER
S	1380001	**GAUGE-ENGINE OIL PRESSURE**	ELECTRONIC ENGINE OIL PRESSURE
O	1390001	**GAUGE-ENGINE OIL TEMPERATURE**	ELECTRONIC ENGINE OIL TEMPERATURE
S	1400001	**GAUGE-ENGINE COOLANT TEMPERATURE**	ELECTRONIC ENGINE COOLANT TEMP.
S	225009	**AIR INTAKE RESTRICTION INDICATOR**	GRADUATED, AIR CLEANER MOUNTED
O	2880001	**MONITORING - TRANSMISSION OIL TEMP**	TRANS OIL TEMP GAUGE W/ LIGHT & BUZZ
O	3360002	**GAUGE-REAR AXLE LUBE TEMPERATURE**	ELECTRONIC REAR AXLE LUBE TEMP. - DUAL
S	337001	**INTERAXLE DIFFERENTIAL LOCKOUT CONTROLS**	DASH MOUNTED WARNING LIGHT & CONTROL
S	5770001	**SPEEDOMETER/ODOMETER**	ELECTRONIC WITH ODOMETER
S	579002	**SPEEDOMETER DRIVE**	ELECTRIC FROM TRANSMISSION
S	7030001	**GAUGE-AIR SYSTEMS PRESSURE**	DUAL ELECTRONIC AIR SYSTEM PRESSURE
S	704002	**LOW AIR WARNING DEVICE**	AUDIBLE AND VISUAL
O	7210001	**GAUGE-AIR PRESSURE, ADDITIONAL**	ELECTRONIC SERVICE BRAKE APPLICATION

S	782L01	**PARK BRAKE INDICATOR**	PARK BRAKE INDICATOR LIGHT

LIGHTING

S	836005	**LAMPS-HEAD**	SINGLE ROUND HALOGEN
S	8390002	**STOP-TAIL HARNESS**	OMIT TAIL LAMPS, BB CONN @ EOF
S	8410002	**LAMPS-TURN SIGNAL - FRONT**	LED FRONT TURN SIGNALS
S	8440003	**SWITCH-TURN SIGNAL & FLASHER**	SELF-CANCELING TURN SIGNALS
S	8510002	**LAMPS-MARKER**	AMBER LED ROOF MARKERS
O	859998	**LAMPS-RUNNING**	NO DAYTIME RUNNING LIGHTS PROVIDED
S	8700001	**CIRCUIT PROTECTION DEVICE**	AUTO CIRCUIT BREAKERS

RADIO/MISC

O	5090001	**KEY & LOCK SETS-IGN/DOORS**	2 ADDITIONAL KEYS PER TRUCK (4 TOTAL)
O	511004	**VISIBILITY WINDOW**	WITH FRESNEL LENS, LH DOOR
O	5900006	**RADIO**	AM/FM RADIO, ROOF MOUNTED
O	5910002	**ANTENNA/POWER SUPPLY**	ANTENNA - ROOF MOUNTED
O	596005	**RADIO SPEAKERS**	2 DUAL CONE SPEAKERS
S	6280002	**WINDSHIELD WIPER**	ELECTRIC INTERMITTENT WIPERS
S	629003	**WINDSHIELD WASHER**	STANDARD
S	8730001	**WIRING-CAB**	RADIO SHUT-OFF IN REVERSE
O	962003	**FIRE EXTINGUISHER**	DRY TYPE ABC 5LB. CAP MTD. IN CAB

FRONT TIRES / WHEELENDS

O	9050001	**WHEELS-DISC FRONT**	22.5X9.0" ACCU ALUM, HP 3.12" INSET, #40012
S	905T98	**SPARE WHEELS FRONT**	NO SPARE FRONT WHEELS
S	907002	**FRONT TIRE QUANTITY**	2 FRONT TIRES
S	907T000	**SPARE FRONT TIRE QUANTITY**	NO SPARE FRONT TIRE
S	930469	**TIRE SIZE & LOAD RANGE - FRONT**	315/80R22.5 L-20PR TUBELESS TYPE RADIAL
S	9310039	**TIRE MANUFACTURER & TREAD - FRONT**	GOODYEAR G289 WHA
S	931T98	**SPARE FRONT TIRE**	NO SPARE FRONT TIRES

REAR TIRES / WHEELENDS

S	908008	**REAR TIRE QUANTITY**	8 REAR TIRES

S	908T000	**SPARE REAR TIRE QUANTITY**	NO SPARE REAR TIRE
O	914101	**WHEELS-DISC REAR**	22.5X9.00" ACCURIDE ALUM, HP, #29730
S	914T98	**SPARE WHEELS REAR**	NO SPARE REAR WHEELS
O	933469	**TIRE SIZE & LOAD RANGE - REAR**	315/80R22.5 L-20PR TUBELESS TYPE RADIAL
O	9340039	**TIRE MANUFACTURER & TREAD - REAR**	GOODYEAR G289 WHA
S	934T98	**SPARE REAR TIRE**	NO SPARE REAR TIRES

AUXILIARY AXLE TIRES

S	9090000	**TAG/PUSHER TIRE QUANTITY**	NO TIRES PROVIDED, TAG/PUSHER AXLE

PAINT

S	950001	**CAB PAINT SCHEME**	SINGLE COLOR PAINT
S	9550001	**CAB PAINT TYPE**	STANDARD WHITE
S	956025	**CHASSIS PAINT TYPE**	TWO PART POLYEURETHANE ENAMEL
S	9801001	**CAB COLOR-FIRST**	APPROVED-=-DPSS-N0007-=-STANDARD WHITE N0007
S	9861U1	**CHASSIS COLOR**	BLACK P3036
S	987949	**BUMPER COLOR**	SAME AS CHASSIS,UNPAINTED ALUM OR CHROME
S	988401	**DISC WHEEL OR RIM COLOR**	STEEL, E-COAT WHITE / ALUM-UNPAINTED
S	989949	**AXLE WHEELEND COLOR**	SAME AS CHASSIS

ADDITIONAL OPTIONS

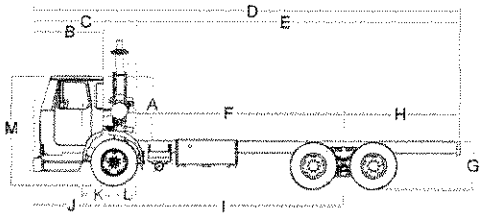
S	899002	**CHASSIS WARRANTY**	STANDARD WARRANTY
S	899A005	**TRANSMISSION WARRANTY**	ALLISON EDGE 4YR. WARRANTY
O	899B020	**ENGINE WARRANTY**	2010 ISL TOTAL CONFIDENCE 5YRS / 150K MILES WARRANTY, PROG. RTM
S	899S98	**EPA SURCHARGE**	NO EPA SURCHARGE
S	978015	**FLOOR PLAN**	15 DAYS FLOORING
A	969V002	**ADDITIONAL PRICE ADJUSTMENT**	TEMPORARY INFLATION ADJUSTMENT

OTHERS

S	0010001	**MODEL SERIES**	ACX TRUCK SERIES
S	003004	**MODEL CONFIGURATIONS**	TANDEM AXLE MODELS
S	133003	**ACCELERATOR PEDAL & LINK**	WILLIAMS ACCELERATOR
S	223003	**AIR CLEANER OUTLET PIPING**	STANDARD CLAMPS

S	459005	**BUMPER LOCATION**	STANDARD POSITION
S	616003	**HEATER/AIR CONDITIONER DUCTING**	NON SLEEPER
S	636001	**LICENSE PLATE MOUNTING-FRONT**	TO BUMPER
S	720002	**BRAKE VALVE & PEDAL**	FLOOR MOUNTED PEDAL - STANDARD
S	740004	**CERTIFICATION COMPLIANCE**	US SALE-US COMMERCE-34 MPH AND UP
S	801002	**ELECTRICAL SYSTEM POLARITY**	NEGATIVE GROUND 12VOLT
S	811002	**BATTERY CABLES**	STANDARD
S	822001	**STARTING SWITCH**	STANDARD
S	958003	**DEALER CODE**	AUTOCAR TRUCK DEALER
O	9720002	**CERTIFICATION-EMISSIONS**	COMPLIES WITH 2010 U.S. EMISSIONS
S	974004	**CERTIFICATION-EXTERIOR NOISE**	COMPLIES W/U.S. & CANADA 80D\B\A AT 50FT

Dimensions



	Dimension(in)	Description
A	59.00	CAB HEIGHT
B	62.00	BUMPER TO BACK OF CAB
C	94.00	EFFECTIVE BUMPER TO BACK OF CAB
D	342.00	OVERALL LENGTH
E	248.00	EFFECTIVE CAB TO END OF FRAME
F	186.00	EFFECTIVE CAB TO REAR AXLE
G	43.65	UNLADEN FRAME HEIGHT
H	62.00	OVERHANG
I	209.00	WHEELBASE
J	71.00	BUMPER TO FRONT AXLE
K	-24.00	DRIVER CENTER OF GRAVITY
L	23.00	EFFECTIVE FRONT AXLE TO BACK
M	102.65	OVERALL HEIGHT
N	0.00	FRONT FRAME EXTENSION

SPECIFICATION SUMMARY

Model	ACX64
Engine	ISL '10, 345HP @ 2100/1150 FT-LBS, CUMMINS
Transmission	ALLISON 4500 SERIES,6-SPEED
Rear Axle	ARVIN MERITOR RT40-145 40,000 LB
Rear Axle Ratio	5.29
Rear Tire	315/80R22.5 L-20PR TUBELESS TYPE RADIAL

San Diego Bid 10008789-11-E
Manufacturer's Warranty

AMREP Inc. warrants the equipment covered by this limited warranty to be free from defects in material and workmanship under normal use, when proper service and maintenance as described in its operation and maintenance manuals are performed, for a period of 12 months from the date equipment is placed in service by the first purchaser.

This limited warranty is extended to the original user only and our obligation is limited to repairing or exchanging any part of the equipment, but not a complete packer body, provided that, in our judgment, the part is defective. Such components or parts thereof, shall be repaired or replaced *without cost* to the first purchaser for parts, labor and towing when necessary.

This warranty is void on any AMREP equipment which, in our opinion shows signs of having been subjected to abuse or misuse, negligence or accident, or having been operated beyond rated capacity, or equipment that has been repaired, altered, or modified by anyone other than AMREP or persons expressly authorized by AMREP.

AMREP reserves the right to at any time, make changes in the design, material, and specifications of the equipment and accessories thereof, without thereby becoming obligated to make similar changes in such equipment or accessories previously manufactured.

AMREP does not assume any liability for loss profits, product, time, or any other direct, indirect or consequential losses, damages or delays. Other than extension of the warranty under AMREP's extended warranty program, no employee or representative is authorized to change this warranty in any or grant any other warranty.

BODY SERIAL NUMBER: _____ DATE: _____

AMREP inc.

HX450ASL

36 - 40 YARD

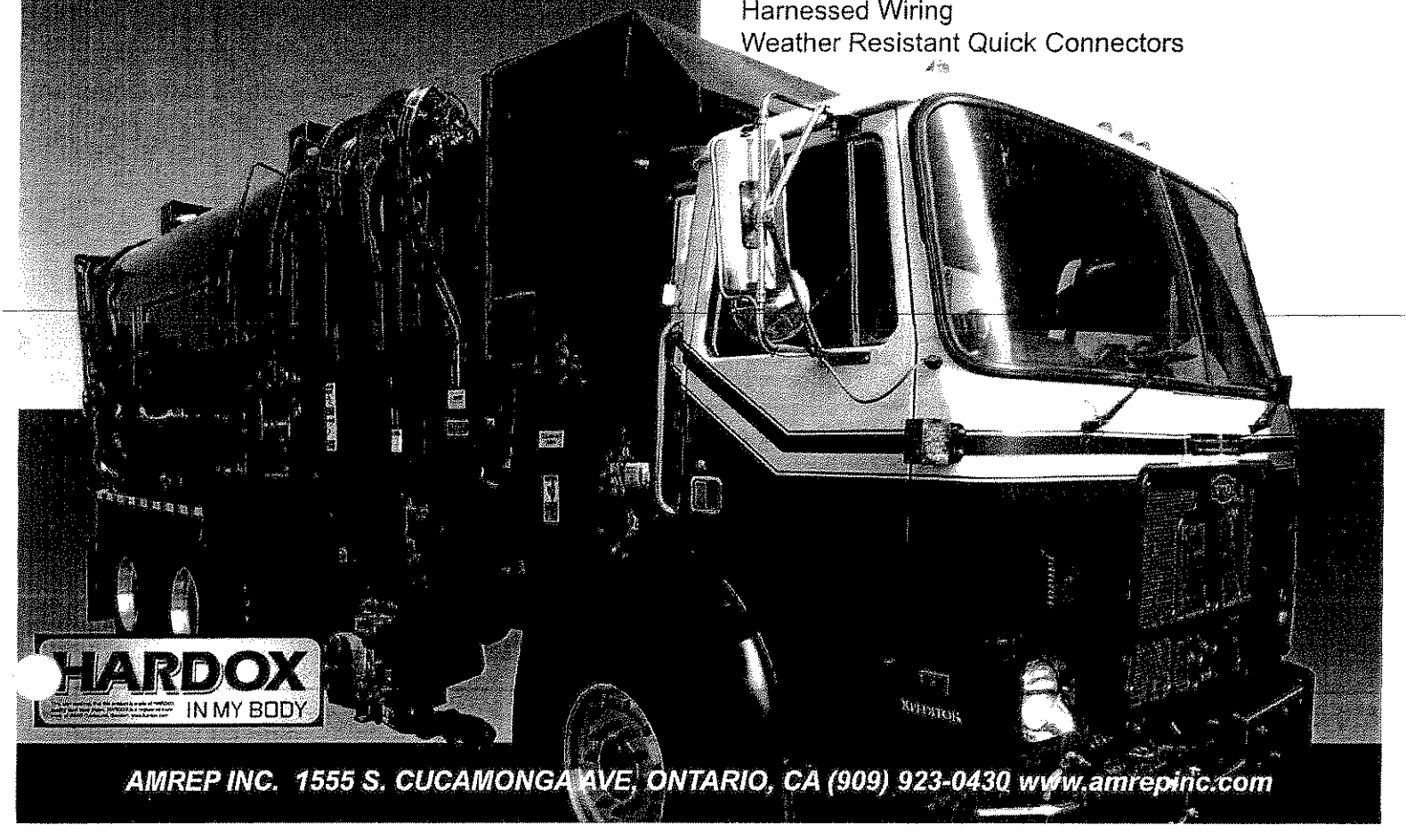
STANDARD BODY SPECIFICATIONS

Body Construction
Entire Body Shell: 1/8" Hardox 450
Hopper Sides: 4mm Hardox 450
Rear Door: 1/8" Hardox 450

Automated Loading Mechanism
Extension: 109"
Extension Dump Range: 0" - 109"
8 - 10 Second Dump Cycle
Clamp Container Capacity: 30/60/90 Gal
Self Leveling Clamp System With No "Kick Out"
800 - 1200 Homes Per Day
Built In Can Counter

Packing System
Patented Dual Blade Packing/Ejection System
Selectable Pack Cycles
Follow Plate to Prevent Spillage Behind Blade

Electrical System
Computerized Packing System
Packing Function Display
Harnessed Wiring
Weather Resistant Quick Connectors



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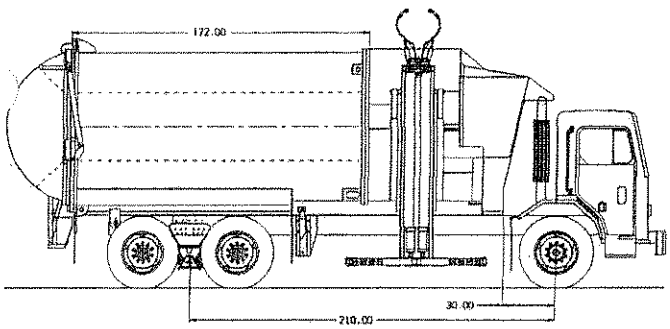
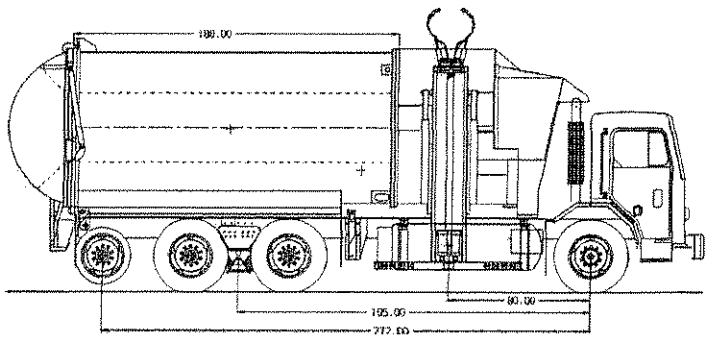
AMREP Inc. HX450ASL





BODY CONSTRUCTION
Body Shell - 1/8" Hardox 450

HOPPER CONSTRUCTION
Hopper Sides - 4mm Hardox 450
Hopper Floor - 3/16" Mild Steel (Beneath Dump Blade)
Dump Blade (Useable Floor) - 1/4" T-1

HYDRAULIC REAR DOOR
Hydraulic Actuated Single Rear Steel Convex Door
Door Sheets - 1/8" Hardox 450

CAB CANOPY
Side And Top - 14 Gauge Mild Steel

PACKER FOLLOWER
Attached To Top Of Packer Blade To Prevent Refuse From Collecting In Front Area Of Body
Follower Cover - 3/8" High Tensile Steel

PACKER BLADES
Double Blade Design With Both Blades On Automatic Cycle
The Dump Blade (Secondary Floor) Is 15 3/8" High X 70" Wide 1/4" T-1
The Top Blade Uses 2 Single Stage Cylinders Cross Mounted 5.25" O.D. The Lower Eject Blade Uses 1-Three Stage Telescopic Cylinder To Eject The Load
Packer Face Plate - 1/4" T-1 Steel
Packer Sides - 3/8" T-1 Steel
Packer Width - 71"
Packer Height - Total Of 36"
Packer Guides - 4 On Top Of Blade, 2 On Bottom Blade With Hardox Wear Strips - Hardox 500

LADDER
Right Side Of Body To Provide Access To Body Roof With PTO Lockout When In Use

AUTOMATED LOADING MECHANISM
Ramp With Carriage Powered By Hydraulic Motor Self Leveling Clamp Mechanism

DECELERATION VALVE
To Allow Maximum Operating Speeds Without Driver Correction

REACH
109" Maximum

ADAPTABILITY
Right Side Of Body To Provide Access To Body Roof With P.T.O. Lockout When In Use

HOSES AND FITTINGS
HD Double Wire Braided Parker 100r2 SAE Hose With Jic Fittings
Zinc Dichromate Seamless Steel Tubing

RESERVOIR
60 Gallon Capacity With Breather Cap Shut Off Valve And Tank Drain Plug
A 20-Micron Return Line Filter Cartridge With A 20PSI Bypass Valve
Vertical Baffles, 150-Micron Re-usable Suction Filter

HYDRAULIC CONTROLS
Air And Electric Operated Controls Mounted In Cab To The Right And Forward Of Operator And To The Left And Forward Of The Operator
Electric/Air Auto-Pack Controls For Packer Blade

CONTROL VALVE
Commercial A-35 With Built In Relief Valve

POWER SOURCE
Front Mount Double Pump Or P.T.O.

PACKER CYLINDERS
(2) Single Stage, Double Acting Chrome
Bore – 4 ¼"
Stroke – 57"
Rod - 2 1/2" Chrome

EJECT CYLINDER
(1) – Three Stage Telescopic, Double Acting, All Stages Chromed
1st Stage (Pack) – 5 ½"ID
2nd Stage (Eject) – 4 ½"ID
3rd Stage (Eject) – 3 ¼" Bore
Stroke – 162 ¾"

REAR DOOR CYLINDERS
(2) Single Stage, Double Acting
Bore – 2 ½"
Stroke – 35"
Rod – 1 ½" Chrome

LIGHTS
Standard ICC Lights And Reflectors Conforming To California State Vehicle Code. "Truck-Lite" Tail, Stop, Back Up And Directional Lights

MID BODY TURN SIGNAL
Directional Lights Mounted At Mid-Point Of Body

REAR DOOR LIQUID CATCH
Steel Construction Installed Under Rear Door To Prevent Liquid Spill

CLEAN OUT DOOR
Two Doors At Front Of Body

OPTIONS - LIGHTING
Ecco Strobe On Rear Door
4 Additional Rear Flashing Lights
2 Rear Mounted Spot Lights
1 Additional Rear/Center Mounted Brake Light

OPTIONS - HOPPER COVER
Hydraulically Operated

OPTIONS - SAFETY
Fire Extinguisher
Triangle Road Kit
Spill kit

OPTIONS - CAMERA SYSTEMS
1 Camera Rear
2 Camera Rear / Hopper
3 Camera Rear / Hopper / Left Cab
5 Camera Rear / Hopper / Left Cab / L-R Alley

HARDOX 450 SPECIFICATIONS
Tensile Strength - 180,000 psi
Tensile Yield - 145,000
Brinell - 450

ESTIMATED BODY WEIGHT
15,500 Lbs
(Options May Affect Total Body Weight)
Lighter Bodies Available With Material Modifications

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AMREP'S *NEW* *"GENTLE GRIP"*

Amrep has released it's latest edition of clamp arm with it's revolutionary "*GENTLE GRIP*" band style clamp arm. Designed to give your containers all the love they deserve while extending container life with lower operating pressure and new wider arm pivot points which allow us to evenly disperse the lower pressures over the surface of the can extending the life of all your containers. AND with fewer moving parts it will cost you less to operate, once again the smart choice is Amrep

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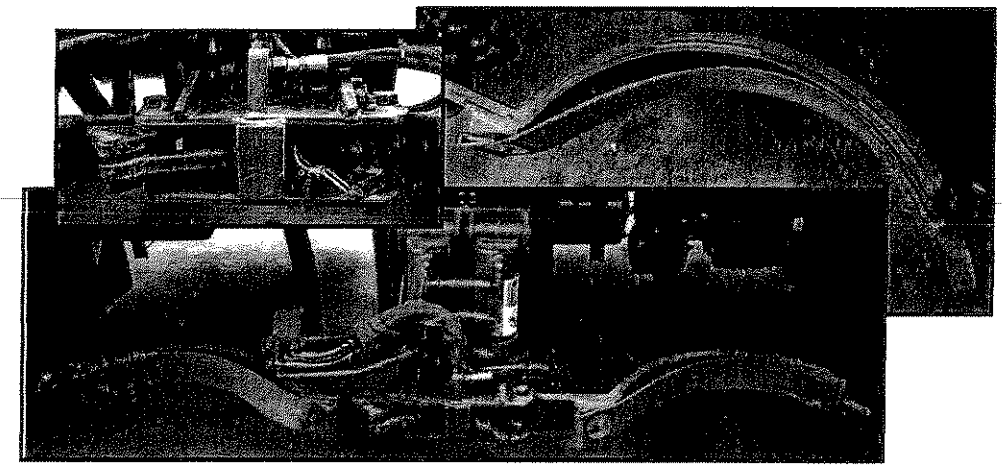
AMREP, INC.

- NEW BAND STYLE "GENTLE GRIP" CLAMP ARMS
- NEW WIDE ANGLE HINGE POINTS
- NEW SOFT AND STRONG SYNTHETIC BAND MATERIAL
- NEW EVEN LOWER CLAMP PRESSURES
- FEWER MOVING PARTS WITH SINGLE CLAMP CYLINDER
- 30, 60, 90 GALLON CONTAINERS AND NEVER CHANGE ARM



AMREP, INC.

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Ontario, CA 91761

Phone: (909) 923-0430
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Chris@Amrepinc.com

AMREP inc.

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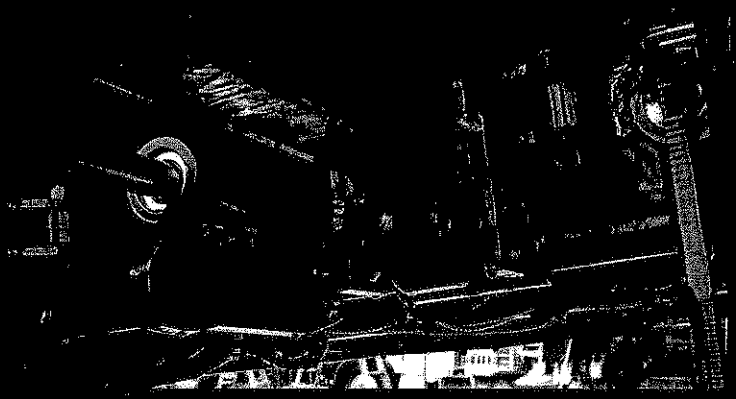
NEW AMREP AUTO ARM LOCK

ARM LOCKS AUTOMATICALLY WHENEVER IN THE HOME POSITION

PTO ON OR PTO OFF THE ARM AUTOMATICALLY LOCKS

ALL WITH OUR NEW NEW PLUG AND PLAY COMPUTERIZED SYSTEM



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DESIGNED FOR EASE OR USE

DESIGNED TO PROTECT YOUR INVESTMENT

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- Pay As You Go Only For The Items You Use
- Hydraulic Cylinders, Body Parts, Electrical And Hydraulic Components You Choose What You Want To Stock

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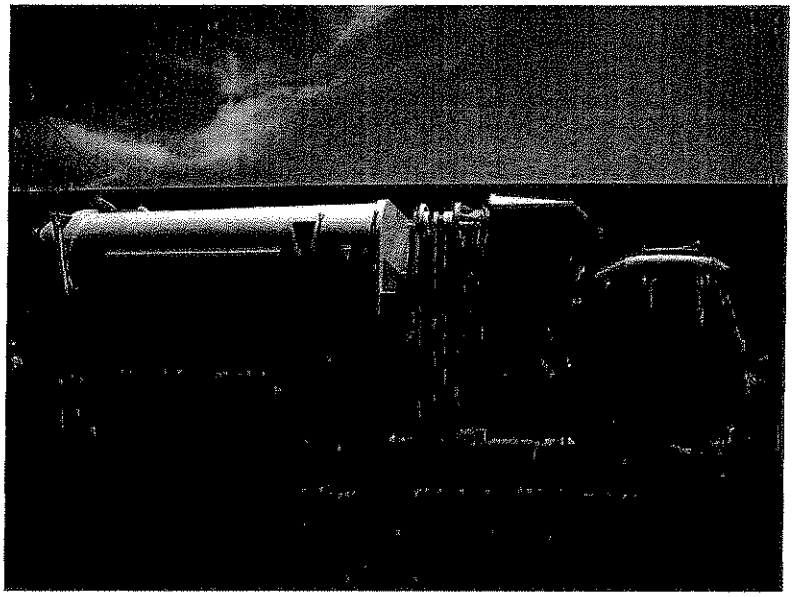
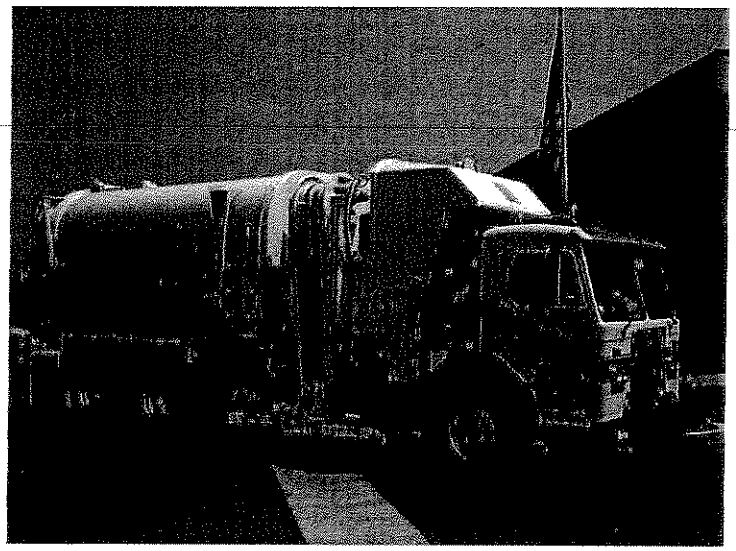


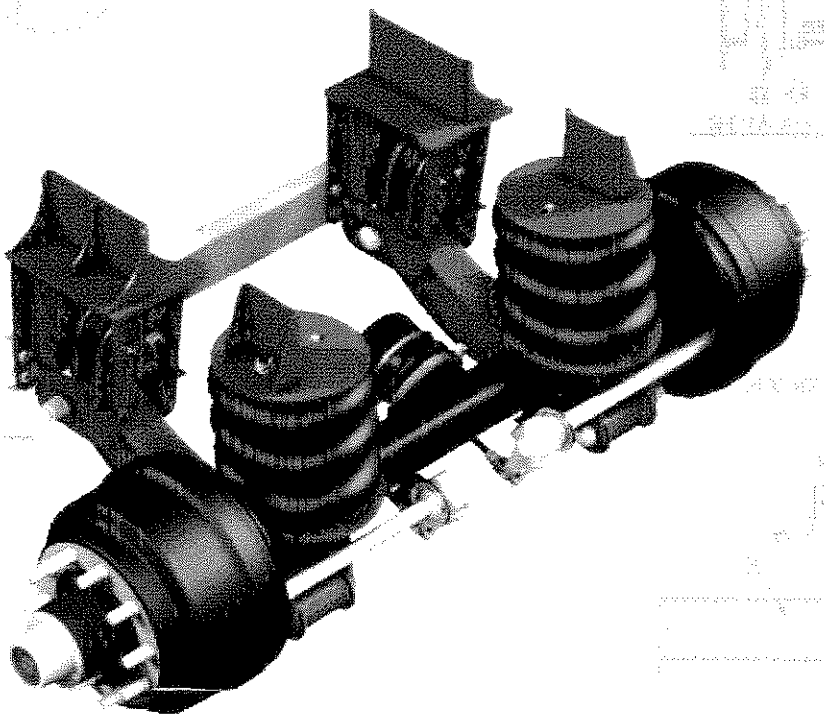


WATSON & CHALIN MANUFACTURING INC.

Watson Suspension Systems

AL-800

NON-STEERABLE LIFT AXLE SUSPENSION



AL-800 SERIES

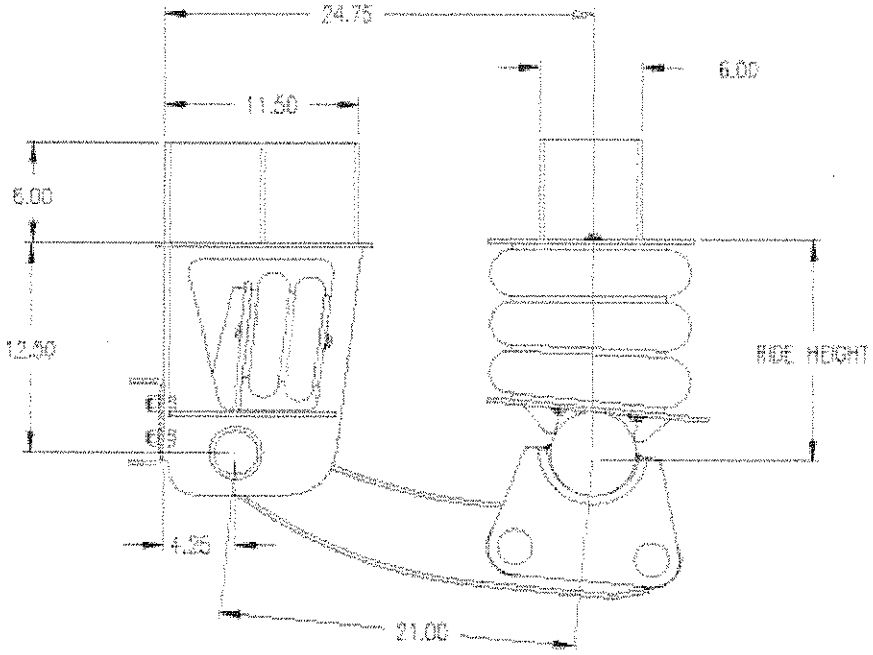
- 3 Year Warranty
- 13,200 lb. Capacity
- Maintenance Free with HUCK Fasteners

LEADERSHIP IN SUSPENSION TECHNOLOGY

AL-800 SERIES

NON-STEERABLE LIFT AXLE SUSPENSION

AVAILABLE AS PUSHER OR TAG AXLE ASSEMBLY



- **Axle Travel: 12 in.**
- **Axle Lift: 8 in.**
- **Capacity 13,200 lbs.**
- **Ride Heights: 10 thru 18 in.**
- **Air Ride - Air Lift**
- **Lightweight: 310 lbs. (w/o axle)**
- **Compact Design**
- **Maintenance Free HUCK Fasteners**
- **Two Pin Axle Connection Rubber Bushed**
- **Roll Off Version Available**

WATSON & CHALIN MANUFACTURING INC.

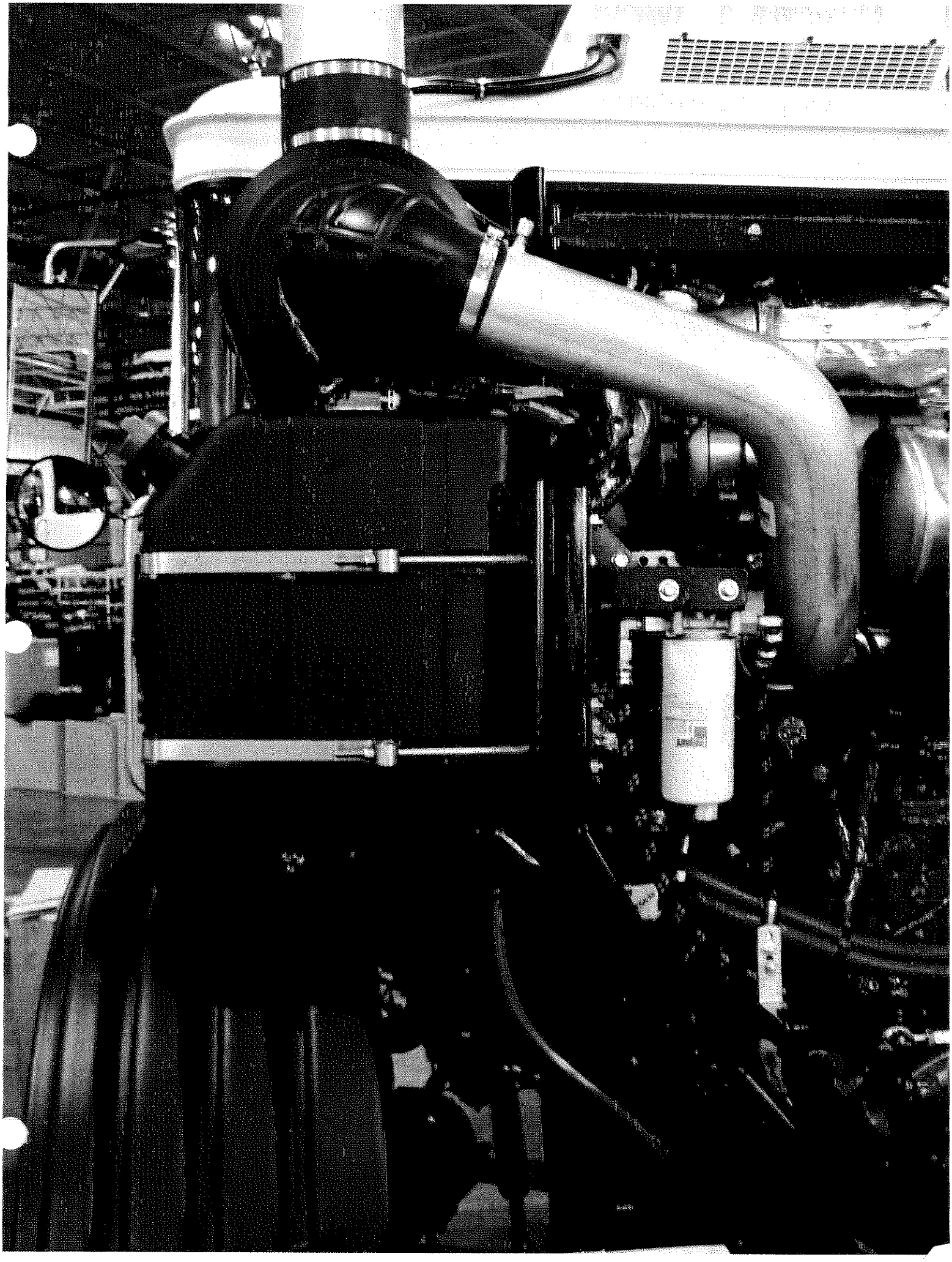
Watson Suspension Systems

972.547.6020 800.445.0736

FAX: 972.542.0097

2060 COUCH DRIVE McKINNEY, TEXAS 75069

www.WatsonSuspensions.com



Autocar, LLC
LIMITED WARRANTY CERTIFICATE

(This warranty certificate is applicable only to vehicles with 2010 emissions compliant engines.
For vehicles built prior to March 2010 with non-2010 emissions compliant engines, refer to document AWO 05003.
For vehicles built prior to 01 January 2007, refer to document AWO 05002.)

THIS DOCUMENT CONSISTS OF TWO PAGES.
PLEASE READ THE IMPORTANT PROVISIONS ON BOTH PAGES OF THIS DOCUMENT.

Autocar, LLC (Autocar) warrants the chassis of each new Autocar low-cab-over-engine class 8 vehicle under original ownership and operated exclusively in the 50 states of the United States of America and in Canada and placed in service in or after 2010 with 2010 emissions compliant engines (Autocar Chassis), specifically excluding the body installed on the chassis, to be free from material defects in materials and workmanship **upon the conditions, as limited and as otherwise set forth below and on the second page of this document** (Limited Warranty).

1. Warranty Periods (subject to Limitations and Exclusions below and on Page 2)

A. All warranty periods begin on the date and at the mileage/hours-in-service when the Autocar Chassis is placed in service.

B. **BASIC WARRANTY TERM:** 12 months, 100,000 miles/161,000 kilometers or 3,000 hours-in-service, whichever occurs first.

C. **DRIVELINE (CARRIER BEARINGS, HANGERS AND SHAFTS) AND REAR AXLE (DIFFERENTIAL CARRIER ASSEMBLY AND AXLE HOUSING) WARRANTY TERM:** 36 months, 300,000 miles/483,000 kilometers or 9,000 hours-in-service, whichever occurs first.

D. **CAB WARRANTY TERM:** 60 months, 500,000 miles/805,000 kilometers or 15,000 hours-in-service, whichever occurs first, for cab structure. 36 months, 300,000 miles/483 kilometers or 9,000 hours-in-service, whichever occurs first, for cab corrosion, limited to metal perforation (surface corrosion not covered).

E. **FRAME, CROSS MEMBERS AND FRAME BRACKETS FOR ENGINE/SUSPENSION MOUNTING WARRANTY TERM:** 60 months, 500,000 miles/805,000 kilometers or 15,000 hours-in-service, whichever occurs first.

2. Autocar's Obligations and Discretion

A. Autocar's obligations are limited to the repair or replacement, at its sole option, of parts or components of the Autocar Chassis which are determined by Autocar in its sole discretion to be defective. At Autocar's option, parts or components may be replaced with factory rebuilds. Replaced parts or components are the property of Autocar.

B. Warranty repairs and replacements performed by an authorized Autocar dealer or authorized repair facility in accordance with the terms of this Limited Warranty are free of charge to the original owner of the Autocar Chassis.

3. Limitations

A. This Limited Warranty is not extended for any time out of service for repairs.

B. This Limited Warranty covers only defects which are brought to the attention of an authorized Autocar dealer or authorized repair facility immediately upon discovery.

C. THIS LIMITED WARRANTY IS THE ONLY EXPRESS WARRANTY PROVIDED BY AUTOCAR FOR YOUR AUTOCAR CHASSIS. AUTOCAR ASSUMES NO OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH YOUR AUTOCAR CHASSIS OR YOUR VEHICLE. AUTOCAR DOES NOT AUTHORIZE YOUR SELLING DEALER, YOUR BODY MANUFACTURER OR ANY OTHER PERSON OR ENTITY TO ALTER, AMEND OR OTHERWISE CHANGE THIS LIMITED WARRANTY IN ANY MANNER.

D. AUTOCAR IS NOT RESPONSIBLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR EXPENSES YOU MAY CLAIM AS A RESULT OF THE USE OF YOUR AUTOCAR CHASSIS, INCLUDING BUT NOT LIMITED TO LOSS OF INCOME, DOWNTIME EXPENSES AND ANY OTHER COMMERCIAL LOSSES.

E. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

F. Autocar reserves the right to make changes at any time in the design, materials and specifications of the Autocar Chassis and has no obligation to make similar changes or updates in Autocar Chassis manufactured previously.

G. Autocar will not be responsible for warranty claims, product liability claims or the cost of recall actions resulting from improper conversion or body installation performed by third parties engaged by the original owner.

4. Exclusions (NOT covered by this Limited Warranty)

A. **ENGINE, TIRES AND AUTOMATIC TRANSMISSION:** The engine, tires and automatic transmission are not covered by this Limited Warranty and are warranted by their respective manufacturers.

B. **DAMAGE:** Damage due to accidents, misuse, negligence, improper operation, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to promptly bring a defect to the attention of an authorized Autocar dealer or authorized repair facility immediately upon discovery and improper or insufficient required maintenance.

C. **APPLICATION:** Problems with configuration for the Autocar Chassis' application, including but not limited to incorrect axle or transmission gear ratios, failures caused by operation in excess of factory-rated load capacities or failures caused by use in a manner for which the Autocar Chassis was not intended. The selling dealer has responsibility for determining and documenting the correct use and application of the Autocar Chassis by the owner in the final order configuration. Autocar must have access to all data stored in all electronic control modules of the Autocar Chassis; denial of access may result in loss of warranty coverage.

D. **ENVIRONMENTAL DAMAGE:** Damage to parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been exposed to the elements or chemicals, including but not limited to road salts, industrial fall-out or improper cleaners, polishes or waxes.

E. **GLASS:** Glass breakage and scratches (unless proof of material defect is established to Autocar's reasonable satisfaction).

F. **SEVERE SERVICE:** Failure due to severe service of suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings.

G. **ALTERATIONS:** Any Autocar Chassis repaired, maintained or altered in any manner inconsistent with Autocar service policies and procedures or by a third party other than an authorized Autocar dealer or authorized repair facility.

H. **INSTALLED BODY AND OTHER EQUIPMENT:** Failure, damage or defects caused by, and repairs and replacements necessitated by, improper conversion or installation of bodies or equipment by third party manufacturers, body builders, converters or suppliers, including without limitation modification of the Autocar Chassis, or modification or removal of a component, in violation of Federal Motor Vehicle Safety Standards, the Incomplete Vehicle Document provided with the Autocar Chassis or the Body Builder's Installation Manual or comparable document issued by Autocar and applicable to the vehicle.

I. **ROUTINE MAINTENANCE:** Routine maintenance, including but not limited to replacement of oil filters, adjustments of the engine, injection pump, transmission, brakes and linkages, and all related adjustments, diagnoses and tests. Parts normally consumed or worn out during a vehicle's normal service life and customarily replaced during routine maintenance, including but not limited to bulbs, brake and clutch linings, bushings, belts and wiper blades are not covered after the first 30 days of the term of this Limited Warranty.

J. **ALIGNMENT:** Alignment of axles and balancing of tires, including but not limited to changing of axle camber, caster, toe and thrust angle settings.

K. **NON-GENUINE PARTS:** Any Autocar Chassis repaired by use of parts, accessories, assemblies and exchange units which are not genuine Autocar replacement parts.

L. **CAB STRUCTURE AND CORROSION:** Structural defects or corrosion that occur in areas of the cab that have been previously damaged, repaired, altered or modified.

M. **ALTERED ODOMETER READING:** Any Autocar Chassis on which the odometer has been disconnected or the mileage reading has been altered.

N. **CERTAIN LABOR:** Premium for overtime labor and shift differential and additional labor for an otherwise warrantable repair due to conversion or installation of bodies or equipment by third party manufacturers, body builders, converters or suppliers.

O. **MISCELLANEOUS EXPENSE:** Road service, towing, rental expenses, meals, lodging, telephone calls, travel time, loss of cargo, downtime, shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by parties other than an authorized Autocar dealer or authorized repair facility.

P. **ADDITIONAL COMPONENTS:** Accessories, components or parts that are not installed by an authorized Autocar dealer or authorized repair facility.

WARRANTY COVERAGE

The official Autocar Limited Warranty Certificate is included with the product documentation at the time of sale. Dealers perform the covered warranty repairs at no charge to the vehicle owner and submit a claim for reimbursement for the cost of the repairs to Autocar.

Subject to the exclusions set forth in the Limited Warranty Certificate, Autocar warrants each new Autocar-manufactured vehicle to be free from defects in material and workmanship under normal use up to the periods specified in the Basic Warranty section, provided all Autocar maintenance requirements found in the Operator's Manual are followed. All warranty periods are calculated from the date the vehicle was placed in service. All coverage is 100% for parts and labor, except as noted. Refer to the Limited Warranty Certificate as referenced in *Appendix B* for specific terms and conditions of the warranty.

Limitation of Remedies
The vehicle owner's remedy is limited to repair or replacement of the part or component which is defective. The Limited Warranty Certificate contains the sole and exclusive warranty for Autocar vehicles.

Autocar Warranty Coverage

Basic Warranty
The basic warranty is for 12 months, 100,000 miles (161,000 kilometers), or 3,000 hours, whichever occurs first.

Frame Warranty
The frame is warranted for 5 years, 500,000 miles (804,500 kilometers), or 15,000 hours, whichever occurs first. Coverage includes the frame, crossmembers and frame brackets for engine mounting.

Driveline and Rear Axle Warranty
The driveline and rear axle are warranted for three years or 9,000 hours, whichever occurs first.

NOTE - Rear drive axle warranty claims require that Arvin-Meritor's OnTrac service be contacted. See *Appendix A* for Arvin-Meritor's contact information. After submitting the details of the axle failure to Arvin-Meritor, they will provide a case number for further processing. OnTrac will provide repair instructions and an authorization number for the repair. Any necessary repair parts can be obtained by contacting the Autocar Warranty Department. When submitting a warranty claim to Autocar, the claim must contain the Arvin-Meritor case number and the repair authorization number.

Cab Structure and Corrosion Warranty
The cab structure is warranted for 60 months, 500,000 miles/805,000 kilometers or 15,000 hours-in-service, whichever occurs first. Cab corrosion which results in perforation of the metal is warranted for 36 months, 300,000 miles/483,000 kilometers or 9,000 hours-in-service, whichever occurs first. Surface corrosion is not covered. Metal perforation must be the result of normal use and not any act or omission of the owner or operator. Areas of the cab that have been previously damaged, repaired, altered, modified or subject to adverse environmental conditions are not covered.

Third-Party Warranty Coverage

Engine Warranty
The engine is warranted by its manufacturer. Refer to the engine manufacturer's warranty or contact the engine manufacturer for additional information. Please see *Appendix A* for the manufacturer's contact information.

Emissions Warranty

Certain components of the vehicle's engine's emissions system may be warranted by the engine manufacturer. Refer to the engine manufacturer's warranty documentation or contact the engine manufacturer for additional information. Please see *Appendix A* for the manufacturer's contact information.

Transmission Warranty

The transmission is warranted by its manufacturer. Refer to the manufacturer's warranty or contact the manufacturer for additional information. Please see *Appendix A* for the manufacturer's contact information.

Tires Warranty

Tires are warranted by their manufacturer or distributor. Refer to the tire warranty or contact the tire manufacturer for additional information. Please see *Appendix A* for the manufacturer's contact information.

Items Not Covered Under Warranty

Maintenance Requirements for Stock Vehicles

For Dealer stock and other Autocar vehicles stored by the Dealer, the Dealer must provide proper care and maintenance of items subject to deterioration such as batteries, chrome, paint, tires, oil seals and consumables. Damage caused by storage-related deterioration will not be covered by Autocar's warranty. Proper records of maintenance must be provided to Autocar upon request. For long-term storage guidelines, refer to the "Autocar Long-Term Storage Guidelines" manual (AC-SM-050-0612-P131).

Other Non-Reimbursable Items

Shop supplies, environmental damages or charges and taxes are not covered by or reimbursable under the Autocar warranty.

Intermediate and Final Stage Manufacturers Effect on Warranty

Autocar's limited warranty on the chassis to the purchaser of the complete vehicle is subject to and conditioned upon (1) each Intermediate and Final Stage Manufacturer not making any alterations or modifications to the chassis which did not conform to any applicable laws, regulations or standards; and (2) each Intermediate and Final Stage Manufacturer complying with the instructions contained in the Incomplete Vehicle Document (IVD) that was issued with the chassis and the Body Builder's Installation Manual (BB Manual) with respect to completion of the vehicle. If an Intermediate or Final Stage Manufacturer (a) modifies or removes a component in violation of applicable laws, regulations or standards, the IVD or the BB Manual, (b) otherwise alters or converts the vehicle in any manner prohibited or not contemplated by the IVD or the BB Manual, or (c) fails to follow the instructions and requirements of the IVD and the BB Manual, such Intermediate or Final Stage Manufacturer will be responsible for all resulting liabilities, costs and expenses, including without limitation warranty claims, product liability claims and recall actions.

Autocar may require information and assistance from Dealer in administering claims that may not be covered due to body builder actions. Contact Autocar immediately if damage appears to have been caused by or repairs necessitated by body builder alterations or installations.

Warranty Coverage by Function Group

Function Group	Description	Maintenance Item *(A)*	12 Months 100,000 Miles	24 Months 200,000 Miles	36 Months 300,000 Miles	60 Months 500,000 Miles
Service and Maintenance						
161	Greasing	✓				
162	Oil and Fluids	✓				
171	Pre-Delivery Inspection	*Before Delivery to Customer*				
177	Maintenance Service	✓				
200	Engine	*Contact OEM for Warranty Coverage*				
233	Fuel Filter	✓				
	Fuel Heater		✓			
234	Fuel Tank Connections		✓			
235	Fuel Lines		✓			
263	Fan Blade		✓			
	Fan Belt	✓ *(B)*				
	Fan Hub and Clutch		✓			
	Fan Shroud		✓			
264	Radiator		✓			
	Radiator Mounts		✓			
	Radiator Hoses	✓				
	Heater Hoses	✓ *(B)*				
265	Intercooler		✓			
	Intercooler Piping		✓			
271	Accelerator Pedal		✓			
Electrical System						
311	Batteries and Cables		✓			
313	Battery Box		✓			
321	Alternator		✓			
322	Regulator		✓			
331	Starter Motor		✓			
351	Bulbs	✓ *(B)*				
352	Headlights	✓ *(B)*				
353	Light Assemblies		✓			
355	Lens, Seals, Gaskets	✓				
356	Auxiliary Lighting		✓			
361	Turn Signals		✓			
362	Horn		✓			
363	Wiper Blades	✓				
	Wiper Motor, Linkage		✓			

A - Required maintenance not covered by warranty.
B - May be claimed during the first 30 days of customer use.
C - Only if installed by Autocar. Check the build record to verify.
D - Consumable parts not covered by warranty.
E - May be maintenance, depending on the cause of the failure.
F - Cab corrosion and cab structure are warranted for 36 and 60 months respectively.

Function Group	Description	Maintenance Item (A)	12 Months 100,000 Miles	24 Months 200,000 Miles	36 Months 300,000 Miles	60 Months 500,000 Miles
364	Relays & Contacts		✓			
369	Fan, Electrical		✓			
371	Cab Wiring Harness		✓			
372	Electrical Center		✓			
381	Instrument Cluster		✓			
382	Instrument & Sending Units		✓			
383	Speedo/Tachograph/ Hubometer		✓			
384	Warning Systems		✓			
385	Pressure Gauges		✓			
392	Radio		✓			
Transmission, Drive Shaft						
422	Transmission	*Contact OEM for Warranty Coverage*				
424	Transmission Controls		✓ *(C)*			
451	Drive Shaft				✓	
	U-Joints		✓			
453	Center Bearing Mounts				✓	
460	Axle Assembly		✓			
461	Rear Axle Housing				✓	
465	Differential Assembly				✓	
	Case				✓	
	Gears				✓	
	Pinion/thru-Shaft Seals		✓			
466	Axle Shafts		✓			
467	Electric Shift, Rear Axle		✓			
468	Differential Lock		✓			
481	P.T.O. (Transmission)		✓ *(C)*			
482	P.T.O. (Crankshaft, Flywheel)		✓ *(C)*			
491	Transmission Oil Cooler		✓			
Brake Systems						
510	Brake Adjustment	✓ *(B)*				
511	Front Wheel Brakes, Foundation		✓ *(D)*			
512	Rear Wheel Brakes, Foundation		✓ *(D)*			
514	Slack Adjuster		✓			
524	Brake Pedal & Linkage		✓			

A - Required maintenance not covered by warranty.
B - May be claimed during the first 30 days of customer use.
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D - Consumable parts not covered by warranty.
E - May be maintenance, depending on the cause of the failure.
F - Cab corrosion and cab structure are warranted for 36 and 60 months respectively.

Function Group	Description	Maintenance Item *(A)*	12 Months 100,000 Miles	24 Months 200,000 Miles	36 Months 300,000 Miles	60 Months 500,000 Miles
562	Reservoir Air Tank		✓			
563	Air Valves		✓			
564	Brake Chamber Assembly		✓			
565	Brake Air Line & Connections		✓			
Front Suspension						
601	Front Axle Alignment	✓				
611	Front Springs		✓			
612	Front Axle I-Beams		✓			
613	Front Shock Absorbers		✓			
614	Spring Hanger Brackets				✓	
615	Shackles		✓			
617	Anti-Roll Bar		✓			
641	Steering Wheel/Column/ Shaft		✓			
642	Steering Gear		✓			
643	Steering Arm/Tie Rod/ Connect		✓			
644	Steering Knuckle King Pin		✓			
645	Power Steering Pump		✓			
651	Wheels		✓			
652	Tire Tubes	*Contact OEM for Warranty Coverage*				
653	Hubs/Bearings/Seals		✓			
Frame Rail, Rear Suspension						
712	Frame Brackets					✓
714	Crossmembers					✓
715	Frame Rail					✓
721	Tandem Suspension		✓			
722	Springs, Rear		✓			
723	Torque Rods/Radius Rods		✓			
725	U-Bolts		✓			
726	Suspension/Air Systems		✓			
727	Rebound Stop		✓			
728	Tandem Alignment	✓				
761	Shock Absorber		✓			
762	Anti-Roll Bar Rebush Rear		✓			

A - Required maintenance not covered by warranty.
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C - Only if installed by Autocar. Check the build record to verify.
D - Consumable parts not covered by warranty.
E - May be maintenance, depending on the cause of the failure.
F - Cab corrosion and cab structure are warranted for 36 and 60 months respectively.

Function Group	Description	Maintenance Item (A)	12 Months 100,000 Miles	24 Months 200,000 Miles	36 Months 300,000 Miles	60 Months 500,000 Miles
771	Wheels		✓			
772	Tire Tube	*Contact OEM for Warranty Coverage*				
773	Hubs/Bearings/Seals		✓			
Body, Cab and Interior						
810	General Cab Framework		✓			
811	Floor/Doghouse/Cowl				✓ *(F)*	✓ *(F)*
812	Roof/Windshield/Rear Window Frame				✓ *(F)*	✓ *(F)*
813	Body Side				✓ *(F)*	✓ *(F)*
815	Instrument Panel		✓			
817	Rear Section, Cab				✓ *(F)*	✓ *(F)*
818	Cab Mounting		✓			
823	Grille & Guard		✓			
825	Front Fender/ Mudguards		✓ *(E)*			
826	Rear Fender		✓ *(E)*			
827	Steps		✓			
831	Doors				✓ *(F)*	✓ *(F)*
834	Lock		✓			
835	Window Regulator		✓			
836	Roof Hatch		✓			
841	Emblem/Reflector/Mirrors		✓			
843	Glass		✓			
844	Glass Door		✓			
845	Air Horn		✓			
852	Seats		✓			
855	Trim/Upholstery		✓			
859	Misc. Interior		✓			
861	Bumper		✓			
863	Mudflap & Splash Plates	✓				
870	Heater Assembly		✓			
872	Hoses/Ducts		✓			
873	Heater		✓			
874	Air Conditioning A/C Sealed System	*12 Months Warranty*				
881	Dash Covers		✓			
882	Interior Equipment		✓			

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D - Consumable parts not covered by warranty.
E - May be maintenance, depending on the cause of the failure.
F - Cab corrosion and cab structure are warranted for 36 and 60 months respectively.

Function Group	Description	Maintenance Item (A)	12 Months 100,000 Miles	24 Months 200,000 Miles	36 Months 300,000 Miles	60 Months 500,000 Miles
884	Seat Belts		✓			
891	Visors/Shields/Fairings		✓			
Miscellaneous						
921	Optional Equipment		✓ (C)			
992	Fire Extinguisher		✓ (C)			

A - Required maintenance not covered by warranty.
B - May be claimed during the first 30 days of customer use.
C - Only if installed by Autocar. Check the build record to verify.
D - Consumable parts not covered by warranty.
E - May be maintenance, depending on the cause of the failure.
F - Cab corrosion and cab structure are warranted for 36 and 60 months respectively.

WARRANTY POLICY AND PROCEDURES

Online Warranty Administration System

Autocar provides an online Warranty Administration System where Dealers can access information and process warranty claims. This system enables Dealers to submit claims, view submitted claims, view vehicle identification number (VIN) repair history and view VIN profiles. Visit the Service & Warranty section of Autocar's website at www.autocartruck.com to access the Warranty Administration System. To obtain a username and password, please contact a Warranty Manager. All warranty claims must be submitted through the online Warranty Administration System unless Autocar authorizes the submission of a claim by other means. See *Appendix A* for contact information.

In order to use the Online Warranty Administration System, the Dealer must have the following:

- Internet access
- Microsoft Internet Explorer version 7.0 (or higher)
- A username and password (as assigned by the Autocar Warranty Manager)
- A document scanner for scanning invoices and forms
- Digital camera

To use the online Warranty Administration System, login to the Service and Warranty section of the Autocar website and enter your username and password.

To access a copy of the Autocar online Warranty Claim Application User Manual, scroll down on the first page of the system and follow the directions to view and/or download the user manual.

Warranty Registration

Vehicle Warranty

Any dealer can and must register any Autocar vehicle not previously registered, regardless of selling dealer.

The vehicle warranty starts on the date the vehicle is placed in service as reflected on the Warranty Registration Form (referenced in *Appendix B).* Autocar reserves the right to verify in-service dates.

For vehicles delivered directly to fleet owners, the fleet owner must complete the warranty registration by completing the form and submitting to Autocar.

For vehicles delivered through Autocar dealerships, the Dealer reviews the Limited Warranty Certificate with the customer, completes the Warranty Registration form, and has the customer complete and submit the Warranty Registration form by mail.

Cummins Protection Plan I for Refuse Applications

Coverage

This Extended Coverage Plan (Plan) is available to be purchased for all eligible Cummins Engines used in refuse applications marketed for use in the United States* and Canada under the trademark "Cummins" or "Cummins ReCon®". This Plan covers failures of the following Engine components which result, under normal use and service, from defects in Cummins material or factory workmanship (Covered Failure):

- Cylinder Head Assembly
  - Cylinder Head Capscrews
  - Cylinder Head Gasket
  - Valve Cover and Gasket
  - Valve Collet
  - Valve Crosshead
  - Valve Guide
  - Valve Guide Seal
  - Valve Rotator
  - Valve Spring
  - Valve Spring Retainer
  - Exhaust Valve
  - Exhaust Valve Seat
  - Intake Valve
  - Intake Valve Seat
- Front Gear Cover Assembly
- Front Crankshaft Seal and Wear Sleeve
- Gear Housing
- Gear Cover and Housing Gasket
- Turbocharger
- Injectors

This Plan begins at the expiration of the Base Engine Warranty period applicable to the Engine. Coverage ends at the time, miles (kilometers) or hours specified on the accompanying Certificate, whichever occurs first, **AS MEASURED FROM THE CUMMINS BASE ENGINE WARRANTY START DATE.**

Cummins Responsibilities

Cummins will pay for all parts and labor needed to repair the damage to the Engine resulting from a Covered Failure.

Cummins will pay for the lubricating oil, antifreeze, diesel exhaust fluid, filter elements and other maintenance items that are not reusable due to a Covered Failure.

Cummins will pay reasonable labor costs for Engine removal and reinstallation when necessary to repair a Covered Failure.

Owner Responsibilities

Owner is responsible for the operation and maintenance of the Engine as specified in the applicable Cummins Operation and Maintenance Manual. Owner is also responsible for providing proof that all recommended maintenance has been performed.

Before the expiration of this Plan, Owner must notify a Cummins distributor, authorized dealer or other repair location approved by Cummins, of any Covered Failure and make the Engine available for repair by such facility. Owner is also responsible for delivering the Engine to the repair facility.

Service locations are listed on the Cummins Worldwide Service Locator at cummins.com.

Owner is responsible for all towing and/or travel expenses incurred as a result of a Covered Failure.

Owner is responsible for the cost of lubrication oil, antifreeze, filter elements, belts, hoses and other maintenance items provided during covered repairs unless such items are not reusable due to the Covered Failure.

Owner is responsible for the communication expenses, meals, lodging and similar costs incurred as a result of a Covered Failure.

Owner is responsible for non-Engine repairs, "downtime" expenses, cargo damage, fines, all applicable taxes, all business costs and other losses resulting from a Covered Failure.

Owner is responsible for the cost to investigate complaints, unless the failure is caused by a defect in Cummins material or factory workmanship.

Limitations

Cummins is not responsible for failures or damage resulting from what Cummins determines to be abuse or neglect, including but not limited to: operation without adequate coolants or lubricants; overfueling; overspeeding; lack of maintenance of lubricating, cooling or intake systems; improper storage, starting, warm-up, run-in or shutdown practices; unauthorized modifications to the Engine.

Cummins is also not responsible for failures caused by incorrect oil or fuel, or by water or diesel exhaust fluid, dirt or other contaminants in the fuel or oil or diesel exhaust fluid.

This Plan does not apply to accessories supplied by Cummins which bear the name of another company. Such non-warranted accessories include, but are not limited to: alternators, starters, fans, air conditioning compressors, clutches, filters, transmissions, torque converters, steering pumps, non-Cummins fan drives, engine compression brakes, exhaust brakes and air compressors.

Cummins branded alternators and starters are not covered by this Plan.

Aftertreatment component failures are not covered by this Plan.

Failures resulting in excessive oil consumption are not covered by this Plan.

Parts used to repair a Covered Failure may be new Cummins parts, Cummins approved rebuilt parts or repaired parts. Cummins is not responsible for failures resulting from the use of parts not approved by Cummins.

A new Cummins or Cummins approved rebuilt part used to repair a Covered Failure under this Plan assumes the identity of the part it replaced and is entitled to the remaining Coverage hereunder. This Plan is transferable to subsequent Owners of the Engine by notifying a Cummins Distributor within 90 days of the transfer of ownership.

This Plan does not duplicate other coverages applicable to the Engine.

Fees paid for this Plan are not refundable.

Coverage purchase must be documented on a Cummins assurance Plan certificate. The certificate must be signed and dated by the customer.

CUMMINS DOES NOT COVER WEAR OR WEAROUT OF COVERED PARTS.

CUMMINS IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

EXCEPT FOR THE PUBLISHED CUMMINS WARRANTIES, THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OR OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

* Includes American Samoa, Commonwealth of Northern Mariana Islands, Guam, Puerto Rico and U.S. Virgin Islands.

COVERAGE ID: RTM

Cummins Inc.
Box 3005
Columbus, IN 47202-3005
U.S.A.

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INTEC warrants the Car Vision Products when purchased new, to be free from defects in material and craftsmanship. INTEC will repair or replace, at INTEC's sole option and without charge, any part which under normal and proper use is found to be defective within the effective period of this warranty. The effective period of this warranty is (based on the product purchased) from the original date of purchase from INTEC. This warranty is void and does not cover product that has been lost or damaged in shipment, subjected to misuse, abuse, tampering, improper installation, use on improper voltage or current, use contrary to operating instructions, or disassembly, repair, or alteration by anyone other than INTEC or an INTEC authorized service agent.

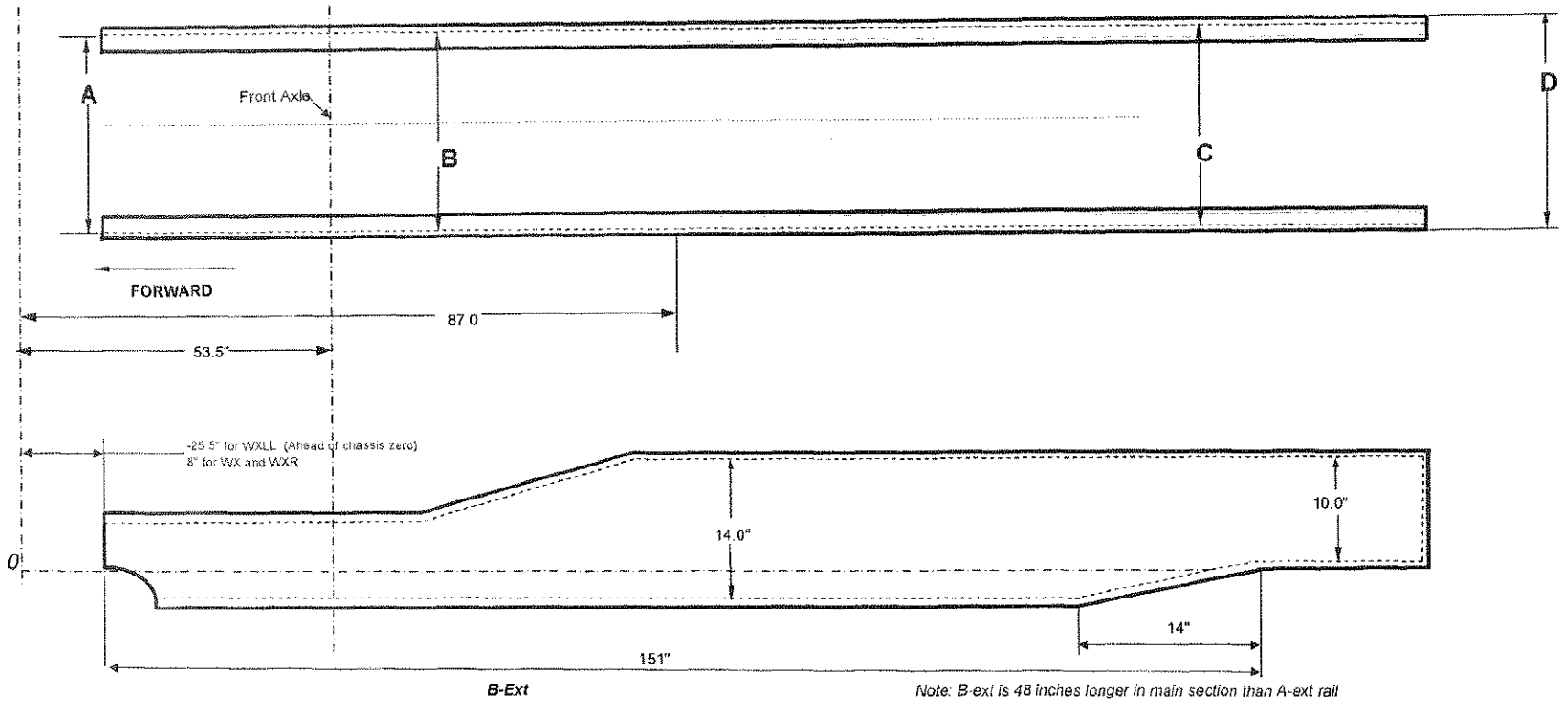
IN NO EVENT SHALL INTEC BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR EXPENSES. THE SOLE LIABILITY OF INTEC SHALL BE DISCHARGED BY REPAIRING OR REPLACING ANY PART OR PARTS WHICH MAY PROVE DEFECTIVE UNDER NORMAL AND PROPER USE WITHIN THE CONDITIONS AND EFFECTIVE PERIOD OF THIS WARRANTY, PROVIDED THE PRODUCT IS RETURNED TO INTEC, DELIVERY PREPAID AND INSURED, IN ACCORDANCE WITH THE INSTRUCTIONS SET FORTH IN THE SERVICE INFORMATION SECTION OF THIS GUIDE.

THERE SHALL BE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER OBLIGATION ON THE PART OF INTEC.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state. You should contact the appropriate state agency to find out what these rights might be.

Return of the Owner Registration Card is not required for warranty coverage. However, it will insure that you are notified with product update information. It will also help INTEC to better serve you by answering some important marketing questions on the Card. Any information you provide on the Card is for INTEC's internal use only. Our customer list is not sold or given to any other organizations unless required under State or Federal laws. Thank you for your business.

FRAME WIDTHS FOR ALL MODELS



Note: B-ext is 48 inches longer in main section than A-ext rail

Xpeditor

FRAME RAIL SIZE	INNER REINF	Section Modulas			RBM		A		B		C		D		Weight/Foot of Rail (1)	
		Main		Rear	Main	Rear	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)	(lbs.)	(kg)
10.76" x 3.50" x 0.375"	NONE	29.41		18.96	3,529,000	2,275,000	33.62	853.95	33.62	853.95	33.62	853.95	34.37	873.00	43.2	19.6
10.76" x 3.50" x 0.375"	.25" x 10"	35.17		28.92	4,220,000	3,470,000	33.62	853.95	33.62	853.95	33.12	841.25	34.37	873.00	69.6	31.6

NOTES: (1) Divide by 2 for weight per foot of frame for each individual rail (rear section)
Yield strength of steel rails is 120,000 psi minimum

AUTOCAR
GVW A GVW Holdings Company

551 S. Washington Street
P.O. Box 390
Hagerstown, IN 47346
Telephone 765.489.5499
Fax 765.489.5230
www.autocartruck.com

Autocar / Xpeditor out Classes the rest in Features & Benefits

- All steel cab, Strongest & Safest in the LCF market, takes 33,000 lbs. to crush cab
- Strongest Frame in the LCF with up to 4,220,000 RBM with liner
- Adjustable automotive type door hinges, not cheap Piano hinges
- Variable Drop frame puts the strength where its needed, also design makes servicing much faster and easier
- Cab Tilts 60 degree's as oppose to 45 to make more maintenance friendly
- Best Visibility, curved windshields can be replaced in minutes @ only $275 each
- Best in Class turning Radius with MFS20 axle that can reach up to 50 degree's
- Best in Class Heater with 50,000 BTU output and automotive type controls
- Solvent Base Paints as oppose to Water Base-Water Born paints
- Heavy Duty refuse features standard such as all Silicone Hoses, 130 Alternator
- 1300 Sq. inch radiator largest in Class with highly efficient fan ring for cooling
- Refuse size Brakes with Automatic Slack adjusters and dust shields standard
- Least effected LCF in the market by Post 2007 EPA Emissions
- Most reliable 2007 EPA Solution offering DPF with Passive as well as Active ReGen
- Allison Transmission 4 years/ unlimited mileage warranty with synthetic lubes Std…
- 24/7 Factory Parts and Service assistance website and call center with certified tech
- Autocar Factory Traveling Training Trailer / We come to you for certified training
- Warranty Parts shipped direct overnight to the customer at no charge and no freight
- Quiet cab at less than 90 dba with fan clutch engaged at operating RPM's
- New cab insulation keeps cab insulated from noise and extreme temperatures
- Most ergonomically friendly cab in class, with more hip (23")and shoulder room
- Water resistant Marine type Dash Panel rocker switches
- New more Reliable electrical system with Low Fuel light standard
- User and maintenance friendly Integrated body control systems
- Strong Composite interior panels resistant to cracking and fading by the Sun
- Quick change Gauges and fuse panel and common air manifold for easy diagnostics
- Autocar pays Towing first year under warranty, Pete and Condor don't…

Its not cheap to build and be the Best……

2009 LCOE Demensions

Measurements Taken	ACX	ACXR	MACK MRU	MACK LEU	Condor	CCC	P-320 LH Dr	P-320 RH Dr	P-320 DD RHStd
Outside Cab Depth Front to Back	60.25"	60.25"	53"	56"	64.5"	54"	52"	52"	52"
Back of Seat to Steering Wheel (Seat Rearward Pos)	23"	23"	17"	19"	18.25"	19"	17"	17"	21"
Belly to Steering Wheel (seat back)	8.5"	8.5"	3"	4"	5.5"	5"	4"	4"	4"
Dash to Seat Back (set in rearward pos)	33.25"	33.25"	27.5"	30.25"	33.5"	30.25"	28"	26"	26"
Door Width at Narrowest Point	26"	26"	20"	16"	22"	18"	16"	16"	16"
Door Width at Widest Point	33"	33"	38"	36"	32.75"	28"	34.5"	34.5"	34.5"
Floor Height	39.50"	39.50"	43"	34"	44.5"	30.5"	41"	41"	19"
Front of Cab to back of DPF	72"	72"	80"	86"	82"	82"	76"	76"	76"
Ground to First Step	17"	17"	17.50"	17.5"	18"	18"	16.5"	16.5"	19"
Ground to Second Step	26"	26"	29"	34"	33.5"	30.5"	29"	29"	29"
Hip Room Side to Side	31"	31"	24"	23"	23.5"	24"	21"	21"	17"
Inside Roof to Floor	59"	59"	58"	62"	57"	62"	60"	60"	82"
Knee to Dash (seat back)	8"	8"	5"	6"	7"	8"	4.5"	4.5"	4.5"
Outside Cab Width Side to Side	95"	95"	87"	94"	96"	96"	94"	94"	94"
Rear Window Demensions	57" X 14.25"	57" X 14.25"	42" X17"	42" X17"	37" X 21.75"	92" x 16"	54"x16.5"	54"x16.5"	54"x16.5"

SCAAN No. : 161011
Description : City of San Diego 5.29
Date : 4/1/2011
User : Brent Roy, Autocar
Application Review Status :
Output Units : US

ALLISON TRANSMISSION
INPUT SUMMARY

VOCATION

Service	Refuse / Recycling
Application	Side Loader - Landfill
Configuration	Straight Truck - No Snow Plow
Vocation Number	40-60-12

VEHICLE PARAMETERS

Description

End User (and Region, Sub Region)	City of San Diego (North America, Western)
Manufacturer (and Region, Sub Region)	Autocar (North America, Central)
Model	Xpeditor
Description	6x4

Area and Weight

Power Packs	1
Height	12.00 (ft)
Width	9.00 (ft)
Standard Wind Resistance Coefficient (No Deflector)	0.80
User Defined Resistance Coefficient (No Deflector)	0.00
Weight, Rated (No Trailer, GVW)	73200 (lb)
Weight on Drive Wheels	54.64 (%)
Weight on Drive Wheels	40000 (lb)

Tires

Number of Tires	10
Manufacturer	
Tire Model & Size	
Tire Type	Standard Radial Tire
Revs	484 (revs/mi)
Radius	20.83 (in.)
Standard Surface Factor	1.0 Smooth Concrete
User Defined Surface Factor	0.0
Standard Traction Limit Coefficient (On-Road)	0.70
Standard Traction Limit Coefficient (Off-Road)	0.40

ENGINE

Engine Manufacturer	Cummins
Model	ISL SEM/LRTP Reqd w/3000
Description	345hp / 1150lbft / 2100rpm 1600TT w/Truck
Certification Year	2007, 2010
Peak Torque/Speed	1150.0/1400 (lb-ft)/(rpm)
Peak Power/Speed	345.0/1800 (hp)/(rpm)
Governed Power/Speed	329.9/2100 (hp)/(rpm)
Cruise Velocity/Speed	65.0/1650 (mph)/(rpm)
Vocation	0
Engine Curve Reference	FR92645, FR92003
No. Of Curves	Dual
SCAAN File Number	2-1149

This SCAAN information is subject to the SCAAN Disclaimer set forth elsewhere.

ACCESSORIES (Power at governed speed)

	Standard (hp)	User (hp)
Fan (clutch fan)	35.61	None
Alt/Generator	1.72	None
Air Compressor	2.01	None
Steer Pump	2.01	None
Implement Drive	0.00	None
Air Conditioning	0.00	None

TRANSMISSION

Manufacturer	Allison
Configuration	4500RDS (1-6) (1-45002-3)
Converter	TC521 (Recommended) (1-521-1)
Retarder	
Shift Calibration	2100 rpm S1/S5 Perf, Std Preselects, (1-6) (1-4560-2100-1003)
Rating	Refuse w/4th Gen Controls (1-45002-8)

DRIVELINE

Propshaft	DriveAxles
Std Efficiency	98.60 (%)
Axle	6x4 On Hwy Single Red
Manufacturer	
Description	
Ratio Description	Single
Ratio	5.290
Std Efficiency	95.00 (%)
Overall Driveline	
Ratio	5.290
Std Efficiency	93.67 (%)

GRADES

Std Acceleration	0.00 (%)

INERTIA

Engine (estimated)	1.5744 (lb-ft-sec^2)
Tires/Wheels (estimated)	109.6821 (lb-ft-sec^2)

ENGINE DETAIL - Standard Accessories (AC On where applicable)

High Power

Speed (rpm)	Power (hp)	Torque (lb-ft)	Fan On/AC On Net Power (hp)	Fan On/AC On Net Torque (lb-ft)	Fan Off/AC On Net Power (hp)	Fan Off/AC On Net Torque (lb-ft)	
1200	234.2	1025.0	223.6	978.6	230.2	1007.6	
1300	269.3	1088.0	256.7	1037.1	265.2	1071.2	
1400	306.5	1150.0	291.7	1094.2	302.2	1133.7	Peak Torque
1500	326.2	1142.0	308.7	1080.7	321.6	1126.1	
1600	342.7	1125.0	322.3	1057.9	338.0	1109.5	
1700	345.0	1066.0	321.3	992.5	340.1	1050.8	
1800	345.0	1006.6	317.5	926.4	339.9	991.7	Peak Power
1900	345.1	954.0	313.5	866.6	339.8	939.4	
2000	338.9	890.0	302.7	794.9	333.4	875.6	
2100	329.9	825.0	288.6	721.9	324.2	810.8	Governed
2300	0.0	0.0	-52.8	-120.5	-6.0	-13.8	No Load Governed

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Low Power

Speed (rpm)	Power (hp)	Torque (lb-ft)	Fan On/AC On Net Power (hp)	Fan On/AC On Net Torque (lb-ft)	Fan Off/AC On Net Power (hp)	Fan Off/AC On Net Torque (lb-ft)	
1200	234.2	1025.0	223.6	978.6	230.2	1007.6	
1300	269.3	1088.0	256.7	1037.1	265.2	1071.2	
1400	293.2	1100.0	278.3	1044.2	288.9	1083.7	Peak Torque
1500	314.2	1100.0	296.7	1038.7	309.6	1084.1	
1600	335.1	1100.0	314.7	1032.9	330.4	1084.5	
1655	344.3	1092.6	322.1	1022.0	339.5	1077.3	
1655	310.4	985.0	288.2	914.4	305.6	969.7	
1690	317.0	985.0	293.5	912.2	312.1	969.8	
1745	345.3	1039.3	319.9	962.8	340.3	1024.3	
1800	345.0	1006.6	317.5	926.4	339.9	991.7	Peak Power
1900	345.1	954.0	313.5	866.6	339.8	939.4	
2000	338.9	890.0	302.7	794.9	333.4	875.6	
2100	329.9	825.0	288.6	721.9	324.2	810.8	Governed
2300	0.0	0.0	-52.8	-120.5	-6.0	-13.8	No Load Governed

Peak Power point has been defined for the purposes of assessing Accessory Losses

This SCAAN information is subject to the SCAAN Disclaimer set forth elsewhere.

SCAAN No. : 161011
Description : City of San Diego 5.29
Date : 4/1/2011
User : Brent Roy, Autocar
Application Review Status :
Output Units : US

ALLISON TRANSMISSION
SCAAN SUMMARY
Based On Standard Parameters

Vocation: Refuse / Recycling, Side Loader - Landfill, Straight Truck - No Snow Plow
End User: City of San Diego (North America, Western)
Manufacturer: Autocar (North America, Central)
Model: Xpeditor, 6x4

Engine: Cummins ISL SEM/LRTP Reqd w/3000 345hp / 1150lbft / 2100rpm 1600TT w/Truck
Engine Certification Year: 2007, 2010
Transmission: 4500RDS (1-6)
Rating: Refuse w/4th Gen Controls
Converter: TC521 (Recommended)
Retarder:

Converter

Check	Check Name	Recomm/Rating	Units	Min/ Max	Actual	Overall Status
C1	Transmission/Converter Compatibility					OK
C2	Engine/Converter Compatibility					OK
C4	Engine Speed At Converter Stall		rpm		1783	
C9	Engine Speed At Converter Stall, Smoke Control	1655	rpm	Min	1783	OK
C5	Minimum Engine Speed	1500	rpm	Min	1783	OK
C7	Turbine Torque At Stall	2450	lb-ft	Max	2209	OK
C8	Converter Speed Ratio at 2100 rpm	0.800		Min	0.868	OK
C3	Converter Stall Torque Ratio				2.420	

Transmission

Check	Check Name	Recomm/Rating	Units	Min/ Max	Actual	Overall Status
T1	Transmission/Vocation Compatibility					OK
T2	Transmission Compatible with High Torque Rise Diesel Engines					OK
T20	Torque Limiting: Engine & Transm SEM/LRTP Reqd					OK
T17	Transmission Permitted in End User/Chassis Mfg Locations					OK
T15	Input Power(Gross)	500	hp	Max	345	OK
T14	Input Torque(Gross)	1550	lb-ft	Max	1150	OK
T3	Input Speed (Engine Governed Speed)	1700 / 2300	rpm		2100	OK
T4	Transmission Output Speed		rpm		3126	

Vehicle/DriveLine

Check	Check Name	Recomm/Rating	Units	Min/ Max	Actual	Overall Status
V9	Minimum Required Driveline Ratio For Wheel Slip	3.314		Min	5.290	OK
V21	1st Range Converter Stall Gradeability		percent		43.1	
V13	1st Range 70% Converter Efficiency Net Gradeability		percent		27.0	
V14	1st Range 80% Converter Efficiency Gradeability (low power)	18.0	percent	Min	21.9	OK
V17	Maximum Geared Vehicle Speed At Engine Governed Speed		mph		73.3	
V18	Maximum Speed on 0.50% Grade	65.0	mph	Min	63.6	C
V20	Accel Rate Indicator	6.00		Min	13.25	OK
V43	Heat Generated in 1st Range 70% Converter Efficiency		Btu/min		4444	
V44	Heat Generated in 1st Range 80% Converter Efficiency		Btu/min		3181	

OK: Acceptable
OK-1: OK based on pre-acceptance by Engineering
OK-2: OK based on Accepted Application Review
C: Consider - manufacturer to assess

XX: Questionable - may not be acceptable
XXX: Not Acceptable - rating or usage violation

This SCAAN information is subject to the SCAAN Disclaimer set forth elsewhere.

Notes

Check	Comments
C9	Engine Manufacturer specifies Minimum Engine Speed at Converter Stall to avoid performance problems.
C5	(Net peak torque speed + allowable variation is 1400 + 100 rpm)
T4	Range 6L at 2100 rpm Engine Governed Speed
V9	1st range at 0.15 speed ratio operation, 0.40 traction coefficient
V17	In 6 Lockup
V18	At 1823 rpm Engine Speed, Range 6L
V20	(Vehicle Weight / Driveline Reduction Ratio / Max Net Input Torque). If < Recomm/Rating indicates Vehicle Susceptible to Shift Stacking
V43	At 1817 rpm Engine Speed
V44	At 1858 rpm Engine Speed

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SCAAN No. : 161011
Description : City of San Diego 5.29
Date : 4/1/2011
User : Brent Roy, Autocar
Application Review Status :
Output Units : US

ALLISON TRANSMISSION
CUSTOMER PERFORMANCE SUMMARY
Based on Standard Parameters

Vocation: Refuse / Recycling, Side Loader - Landfill, Straight Truck - No Snow Plow
End User: City of San Diego (North America, Western)
Manufacturer: Autocar (North America, Central)
Model: Xpeditor, 6x4

Engine: Cummins ISL SEM/LRTP Reqd w/3000 345hp / 1150lbft / 2100rpm 1600TT w/Truck
Engine Certification Year: 2007, 2010
Transmission: 4500RDS (1-6)
Rating: Refuse w/4th Gen Controls
Converter: TC521 (Recommended)
Retarder:
Weight: 73200 (lb) (GVW)
Driveline Ratio : 5.290
Tires: Standard Radial Tire, 484.0 (revs/mi)

Geared Speed: 73.3 (mph) 6L

Clutch Fan Status : Fan On
Air Conditioning Status : No AC

Gradeability

Launch Gradeability	41.1(%)
Low Speed Gradeability	21.9(%) at 5.3(mph), 80(%) Conv Eff Grade
Maximum Speed On Grade	0.00(%) at 67.2(mph), 6L, Road Load Speed
	0.25(%) at 64.5(mph), 6L
	0.50(%) at 60.7(mph), 5L
	1.00(%) at 54.3(mph), 5L
	2.00(%) at 44.8(mph), 4L
	3.00(%) at 34.8(mph), 4L
	4.00(%) at 29.6(mph), 3L
	5.00(%) at 24.7(mph), 3L
	6.00(%) at 20.9(mph), 2L
	7.00(%) at 18.0(mph), 2L
	8.00(%) at 16.8(mph), 2L
	9.00(%) at 12.5(mph), 2C
	10.00(%) at 11.0(mph), 2C

Acceleration (full throttle, brakes locked start)

Time And Distance To Speed, 0(%) Grade	0-20 (mph)	in 8.6(sec) 159(ft)
	0-30 (mph)	in 18.4(sec) 524(ft)
	0-40 (mph)	in 34.5(sec) 1353(ft)
	0-50 (mph)	in 58.7(sec) 2970(ft)
	0-60 (mph)	in 107.1(sec) 6920(ft)

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SCAAN No. : 161011
Description : City of San Diego 5.29
Date : 4/1/2011
User : Brent Roy, Autocar
Application Review Status :
Output Units : US

ALLISON TRANSMISSION
VEHICLE FULL THROTTLE PERFORMANCE
Based on Standard Parameters

Transmission Input Ratio : 1.0000
Transmission Input Efficiency (%): 100.00

Power Packs: 1

Clutch Fan Status : Fan On
Air Conditioning Status : No AC

Axle Ratio: 5.290
Auxiliary Gearing Ratio: 1.000

Reverse (R1C) (High Power)

	Vehicle Speed (mph)	Engine Speed (rpm)	Tractive Effort (lb)	Drawbar Pull (lb)	Wheel Power (hp)	Net % Grade (%)	Transm Heat Rej (Btu/min)		
R1C	0.0	1783	33752	33442	0.0	51.4	13503	*	
R1C	2.0	1795	26450	26132	141.1	38.2	7090		
R1C	3.2	1816	22439	22115	194.5	31.7	4635		70Percent
R1C	4.0	1839	19966	19638	213.0	27.8	3759		
R1C	4.5	1857	18514	18183	220.6	25.6	3382		80Percent
R1C	6.0	1939	14197	13857	227.1	19.3	2866		
R1C	7.4	2069	10871	10522	215.2	14.5	2694		85Percent
R1C	7.7	2100	10520	10170	215.9	14.0	2469		Governed
R1C	8.0	2115	9519	9166	203.1	12.6	2024		
R1C	9.7	2248	941	576	24.4	0.8	680		

Automatic (1C-2C-2L-3L-4L-5L-6L) (High Power)

	Vehicle Speed (mph)	Engine Speed (rpm)	Tractive Effort (lb)	Drawbar Pull (lb)	Wheel Power (hp)	Net % Grade (%)	Transm Heat Rej (Btu/min)		
1C	0.0	1783	29261	28951	0.0	43.1	13503	*	
1C	2.0	1792	23817	23499	127.0	33.9	7733		
1C	3.8	1816	19394	19067	198.7	27.0	4442		70Percent
1C	4.0	1819	19019	18691	202.9	26.4	4249		
1C	5.3	1857	15978	15643	225.1	21.9	3179		80Percent
1C	6.0	1885	14438	14098	231.0	19.6	2863		
1C	7.9	1991	10673	10322	223.4	14.2	2775		
2C	7.9	1813	9326	8975	195.2	12.4	4604		
2C	8.0	1815	9249	8897	197.3	12.2	4508		
2C	10.0	1838	8174	7807	218.0	10.7	3533		
2C	12.0	1871	7177	6794	229.7	9.3	2947		
2C	14.0	1911	6270	5868	234.1	8.0	2660		
2C	14.9	1935	5861	5451	232.9	7.5	2622		
2L	14.9	1407	6663	6253	264.8	8.6	460		
2L	16.0	1511	6552	6131	279.5	8.4	504		
2L	18.0	1700	6005	5563	288.3	7.6	575		
2L	20.0	1889	5245	4779	279.7	6.5	650		
2L	20.9	1974	4872	4396	271.6	6.0	689		
3L	20.9	1364	4530	4054	252.5	5.5	393		
3L	22.0	1436	4630	4140	271.6	5.7	413		
3L	24.0	1566	4494	3977	287.6	5.4	466		
3L	26.0	1697	4185	3641	290.1	5.0	500		
3L	28.0	1827	3811	3238	284.6	4.4	535		
3L	30.0	1958	3449	2845	276.0	3.9	573		
3L	30.7	2000	3310	2694	270.5	3.7	589		
4L	30.7	1308	2880	2265	235.4	3.1	345		

4L	32.0	1366	2975	2338	253.9	3.2	355		
4L	34.0	1451	3039	2367	275.5	3.2	356		
4L	36.0	1536	2976	2268	285.7	3.1	381		
4L	38.0	1622	2901	2154	293.9	2.9	403		
4L	40.0	1707	2730	1945	291.3	2.7	431		
4L	42.0	1792	2568	1741	287.6	2.4	459		
4L	44.0	1878	2417	1547	283.6	2.1	495		
4L	46.0	1963	2252	1338	276.2	1.8	535		
4L	47.5	2025	2118	1171	268.0	1.6	568		
5L	47.5	1548	2234	1287	282.7	1.8	584		
5L	48.0	1566	2225	1265	284.7	1.7	593		
5L	50.0	1631	2170	1162	289.3	1.6	621		
5L	52.0	1696	2068	1011	286.8	1.4	655		
5L	54.0	1761	1971	863	283.9	1.2	688		
5L	56.0	1826	1878	717	280.4	1.0	724		
5L	58.0	1892	1792	577	277.1	0.8	764		
5L	60.0	1957	1693	422	270.9	0.6	803		
5L	62.0	2022	1586	257	262.2	0.4	848		
5L	62.9	2050	1541	187	258.3	0.3	865		
6L	62.9	1802	1640	287	274.9	0.4	1013		
6L	64.0	1835	1600	212	273.1	0.3	1041		
6L	66.0	1892	1533	84	269.8	0.1	1091		
6L	68.0	1949	1457	-54	264.3	-0.1	1141		
6L	70.0	2007	1373	-202	256.4	-0.3	1196		
6L	72.0	2064	1291	-351	247.9	-0.5	1250		
6L	73.3	2100	1239	-445	242.0	-0.6	1284		Governed
6L	74.0	2121	1067	-642	210.5	-0.9	1293		
6L	76.0	2179	605	-1173	122.7	-1.6	1315		
6L	78.0	2236	144	-1705	29.9	-2.3	1336		
6L	78.6	2254	0	-1871	0.0	-2.6	1343		

1st Lockup Hold (1C-1L) (High Power)

	Vehicle Speed (mph)	Engine Speed (rpm)	Tractive Effort (lb)	Drawbar Pull (lb)	Wheel Power (hp)	Net % Grade (%)	Transm Heat Rej (Btu/min)		
1C	0.0	1783	29261	28951	0.0	43.1	13503	*	
1C	2.0	1792	23817	23499	127.0	33.9	7733		
1C	3.8	1816	19394	19067	198.7	27.0	4442		70Percent
1C	4.0	1819	19019	18691	202.9	26.4	4249		
1C	5.3	1857	15978	15643	225.1	21.9	3179		80Percent
1C	6.0	1885	14438	14098	231.0	19.6	2863		
1C	6.8	1923	12792	12447	232.6	17.3	2684		
1L	6.8	1366	13802	13458	251.0	18.7	499		
1L	8.0	1603	13524	13172	288.5	18.3	612		
1L	10.0	2004	9968	9601	265.8	13.2	783		
1L	10.5	2100	9022	8651	252.1	11.9	825		Governed
1L	11.3	2261	0	-378	0.0	-0.5	774		

This SCAAN information is subject to the SCAAN Disclaimer set forth elsewhere.

Clutch Fan Status : Fan On
Air Conditioning Status : No AC

Axle Ratio: 5.290
Auxiliary Gearing Ratio: 1.000

Reverse (R1C) (Low Power)

	Vehicle Speed (mph)	Engine Speed (rpm)	Tractive Effort (lb)	Drawbar Pull (lb)	Wheel Power (hp)	Net % Grade (%)	Transm Heat Rej (Btu/min)		
R1C	0.0	1783	33745	33435	0.0	51.3	13499	*	
R1C	2.0	1795	26449	26130	141.1	38.2	7089		
R1C	3.3	1817	22437	22112	194.5	31.7	4630		70Percent
R1C	4.0	1840	19972	19644	213.0	27.9	3752		
R1C	4.5	1858	18511	18180	220.7	25.6	3373		80Percent
R1C	6.0	1939	14174	13835	226.8	19.2	2848		
R1C	7.4	2070	10861	10513	215.1	14.5	2681		85Percent
R1C	7.7	2100	10520	10170	215.9	14.0	2469		Governed
R1C	8.0	2115	9519	9166	203.1	12.6	2024		
R1C	9.7	2248	941	576	24.4	0.8	680		

Automatic (1C-2C-2L-3L-4L-5L-6L) (Low Power)

	Vehicle Speed (mph)	Engine Speed (rpm)	Tractive Effort (lb)	Drawbar Pull (lb)	Wheel Power (hp)	Net % Grade (%)	Transm Heat Rej (Btu/min)		
1C	0.0	1783	29255	28945	0.0	43.1	13499	*	
1C	2.0	1792	23815	23496	127.0	33.9	7731		
1C	3.8	1817	19392	19065	198.8	27.0	4437		70Percent
1C	4.0	1820	19021	18693	202.9	26.4	4245		
1C	5.3	1858	15975	15640	225.2	21.9	3169		80Percent
1C	6.0	1886	14438	14098	231.0	19.6	2861		
1C	7.9	1991	10666	10314	223.3	14.2	2770		
2C	7.9	1814	9327	8975	195.3	12.4	4602		
2C	8.0	1815	9250	8898	197.3	12.2	4505		
2C	10.0	1839	8177	7809	218.0	10.7	3526		
2C	12.0	1872	7179	6796	229.7	9.3	2941		
2C	14.0	1912	6265	5863	233.9	8.0	2653		
2C	14.9	1935	5852	5442	232.6	7.5	2604		
2L	14.9	1407	6339	5928	251.9	8.1	456		
2L	16.0	1511	6298	5877	268.7	8.1	499		
2L	18.0	1700	5558	5116	266.8	7.0	569		
2L	20.0	1889	5246	4781	279.8	6.5	646		
2L	20.9	1974	4865	4388	271.2	6.0	680		
3L	20.9	1364	4391	3915	244.8	5.4	392		
3L	22.0	1436	4391	3901	257.6	5.3	417		
3L	24.0	1566	4356	3840	278.8	5.3	463		
3L	26.0	1697	3850	3306	266.9	4.5	496		
3L	28.0	1827	3814	3240	284.8	4.4	525		
3L	30.0	1958	3443	2838	275.4	3.9	561		
3L	30.7	2000	3310	2694	270.5	3.7	589		
4L	30.7	1308	2868	2253	234.5	3.1	345		
4L	32.0	1366	2881	2244	245.9	3.1	356		
4L	34.0	1451	2883	2211	261.4	3.0	366		
4L	36.0	1536	2871	2162	275.6	3.0	381		
4L	38.0	1622	2847	2101	288.5	2.9	405		
4L	40.0	1707	2559	1773	272.9	2.4	435		
4L	42.0	1792	2568	1741	287.6	2.4	457		
4L	44.0	1878	2418	1549	283.7	2.1	487		
4L	46.0	1963	2248	1334	275.7	1.8	524		
4L	47.5	2025	2118	1170	268.0	1.6	556		
5L	47.5	1548	2158	1211	273.1	1.7	580		

5L	48.0	1566	2156	1196	275.9	1.6	589		
5L	50.0	1631	2136	1129	284.8	1.5	623		
5L	52.0	1696	1899	842	263.3	1.1	650		
5L	54.0	1761	1971	863	283.9	1.2	684		
5L	56.0	1826	1879	718	280.6	1.0	715		
5L	58.0	1892	1792	577	277.2	0.8	760		
5L	60.0	1957	1690	419	270.4	0.6	791		
5L	62.0	2022	1586	257	262.1	0.4	837		
5L	62.9	2050	1541	187	258.2	0.3	850		
6L	62.9	1802	1641	287	275.0	0.4	1012		
6L	64.0	1835	1602	214	273.3	0.3	1031		
6L	66.0	1892	1534	85	269.9	0.1	1088		
6L	68.0	1949	1454	-57	263.7	-0.1	1129		
6L	70.0	2007	1373	-202	256.3	-0.3	1192		
6L	72.0	2064	1291	-351	247.8	-0.5	1236		
6L	73.3	2100	1239	-445	242.0	-0.6	1284		Governed
6L	74.0	2121	1067	-642	210.5	-0.9	1293		
6L	76.0	2179	605	-1173	122.7	-1.6	1315		
6L	78.0	2236	144	-1705	29.9	-2.3	1336		
6L	78.6	2254	0	-1871	0.0	-2.6	1343		

1st Lockup Hold (1C-1L) (Low Power)

	Vehicle Speed (mph)	Engine Speed (rpm)	Tractive Effort (lb)	Drawbar Pull (lb)	Wheel Power (hp)	Net % Grade (%)	Transm Heat Rej (Btu/min)		
1C	0.0	1783	29255	28945	0.0	43.1	13499	*	
1C	2.0	1792	23815	23496	127.0	33.9	7731		
1C	3.8	1817	19392	19065	198.8	27.0	4437		70Percent
1C	4.0	1820	19021	18693	202.9	26.4	4245		
1C	5.3	1858	15975	15640	225.2	21.9	3169		80Percent
1C	6.0	1886	14438	14098	231.0	19.6	2861		
1C	6.8	1923	12777	12432	232.3	17.2	2671		
1L	6.8	1366	13360	13015	243.0	18.1	497		
1L	8.0	1603	13203	12851	281.7	17.8	609		
1L	10.0	2004	9968	9600	265.8	13.2	781		
1L	10.5	2100	9022	8651	252.1	11.9	825		Governed
1L	11.3	2261	0	-378	0.0	-0.5	774		

Note : * Tractive Effort exceeds vehicle traction limit (wheelslip possible) using On-Road Traction Limit Coefficient = 0.70

This SCAAN information is subject to the SCAAN Disclaimer set forth elsewhere.

SCAAN No. : 161011
Description : City of San Diego 5.29
Date : 4/1/2011
User : Brent Roy, Autocar
Application Review Status :
Output Units : US

ALLISON TRANSMISSION
VEHICLE ACCELERATION PERFORMANCE
Brakes Locked Start
Based on Standard Parameters

Transmission Input Ratio : 1.0000
Transmission Input Efficiency (%): 100.00

Power Packs: 1

Clutch Fan Status : Fan On
Air Conditioning Status : No AC
Grade: 0.0 percent

Axle Ratio: 5.290
Auxiliary Gearing Ratio: 1.000

Reverse (R1C) (High Power)

	Vehicle Speed (mph)	Time (sec)	Distance (ft)	Accel Rate (mph/sec)	Engine Speed (rpm)	
R1C	2.0	0.3	0.4	7.024	1795	
R1C	4.0	0.6	1.9	5.130	1839	
R1C	6.0	1.1	5.4	3.460	1939	
R1C	8.0	1.8	13.0	2.369	2115	
R1C	9.7	4.0	42.3	0.194	2248	

Automatic (1C-2C-2L-3L-4L-5L-6L) (High Power)

	Vehicle Speed (mph)	Time (sec)	Distance (ft)	Accel Rate (mph/sec)	Engine Speed (rpm)	
1C	2.0	0.3	0.4	6.421	1792	
1C	4.0	0.6	2.0	5.034	1819	
1C	6.0	1.1	5.5	3.717	1885	
1C	7.9	1.7	11.6	2.627	1991	
2C	8.0	1.8	12.2	2.581	1815	
2C	10.0	2.6	23.2	2.259	1838	
2C	12.0	3.5	38.7	1.962	1871	
2C	14.0	4.6	59.8	1.691	1911	
2C	14.9	5.2	71.6	1.560	1935	
2L	16.0	5.8	86.1	1.690	1511	
2L	18.0	7.1	116.7	1.541	1700	
2L	20.0	8.5	156.1	1.322	1889	
2L	20.9	9.2	177.5	1.212	1974	
3L	22.0	10.1	206.9	1.181	1436	
3L	24.0	11.9	265.2	1.135	1566	
3L	26.0	13.7	332.3	1.042	1697	
3L	28.0	15.7	413.3	0.926	1827	
3L	30.0	18.0	511.4	0.815	1958	
3L	30.7	18.9	548.1	0.769	2000	
4L	32.0	20.9	640.9	0.677	1366	
4L	34.0	23.8	781.7	0.687	1451	
4L	36.0	26.8	934.6	0.659	1536	
4L	38.0	29.9	1103.4	0.626	1622	
4L	40.0	33.2	1295.5	0.566	1707	
4L	42.0	37.0	1520.8	0.507	1792	
4L	44.0	41.2	1785.9	0.451	1878	
4L	46.0	46.0	2101.3	0.390	1963	
4L	47.5	50.0	2375.8	0.341	2025	
5L	48.0	51.4	2478.4	0.370	1566	
5L	50.0	57.1	2882.7	0.341	1631	

5L	52.0	63.3	3353.7	0.297	1696	
5L	54.0	70.7	3923.6	0.253	1761	
5L	56.0	79.4	4625.6	0.211	1826	
5L	58.0	90.0	5515.1	0.170	1892	
5L	60.0	103.8	6708.3	0.125	1957	
5L	62.0	124.4	8551.8	0.077	2022	
5L	62.9	137.6	9762.2	0.056	2050	
6L	64.0	153.4	11238.5	0.063	1835	
6L	66.0	202.8	15954.4	0.026	1892	

1st Lockup Hold (1C-1L) (High Power)

	Vehicle Speed (mph)	Time (sec)	Distance (ft)	Accel Rate (mph/sec)	Engine Speed (rpm)	
1C	2.0	0.3	0.4	6.421	1792	
1C	4.0	0.6	2.0	5.034	1819	
1C	6.0	1.1	5.5	3.717	1885	
1C	6.8	1.3	7.7	3.217	1923	
1L	8.0	1.7	12.0	2.936	1603	
1L	10.0	2.5	22.5	2.160	2004	

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Clutch Fan Status : Fan On
Air Conditioning Status : No AC
Grade: 0.0 percent

Axle Ratio: 5.290
Auxiliary Gearing Ratio: 1.000

Reverse (R1C) (Low Power)

	Vehicle Speed (mph)	Time (sec)	Distance (ft)	Accel Rate (mph/sec)	Engine Speed (rpm)	
R1C	2.0	0.3	0.4	7.026	1795	
R1C	4.0	0.6	1.9	5.130	1840	
R1C	6.0	1.1	5.4	3.454	1939	
R1C	8.0	1.8	13.0	2.369	2115	
R1C	9.7	4.0	42.3	0.194	2248	

Automatic (1C-2C-2L-3L-4L-5L-6L) (Low Power)

	Vehicle Speed (mph)	Time (sec)	Distance (ft)	Accel Rate (mph/sec)	Engine Speed (rpm)	
1C	2.0	0.3	0.4	6.421	1792	
1C	4.0	0.6	2.0	5.030	1820	
1C	6.0	1.1	5.5	3.721	1886	
1C	7.9	1.7	11.6	2.625	1991	
2C	8.0	1.8	12.2	2.581	1815	
2C	10.0	2.6	23.2	2.260	1839	
2C	12.0	3.5	38.7	1.963	1872	
2C	14.0	4.6	59.8	1.690	1912	
2C	14.9	5.2	71.6	1.557	1935	
2L	16.0	5.9	86.9	1.619	1511	
2L	18.0	7.2	119.0	1.399	1700	
2L	20.0	8.6	158.7	1.323	1889	
2L	20.9	9.3	180.1	1.210	1974	
3L	22.0	10.3	211.1	1.112	1436	
3L	24.0	12.1	272.2	1.095	1566	
3L	26.0	14.0	343.4	0.938	1697	
3L	28.0	16.1	425.8	0.927	1827	
3L	30.0	18.4	523.9	0.813	1958	
3L	30.7	19.3	560.7	0.769	2000	
4L	32.0	21.3	655.7	0.651	1366	
4L	34.0	24.4	805.3	0.642	1451	
4L	36.0	27.6	967.2	0.628	1536	
4L	38.0	30.8	1142.5	0.610	1622	
4L	40.0	34.5	1353.1	0.513	1707	
4L	42.0	38.3	1582.9	0.507	1792	
4L	44.0	42.5	1847.8	0.451	1878	
4L	46.0	47.3	2163.6	0.389	1963	
4L	47.5	51.3	2438.5	0.341	2025	
5L	48.0	52.8	2547.2	0.350	1566	
5L	50.0	58.7	2970.0	0.330	1631	
5L	52.0	66.1	3522.9	0.245	1696	
5L	54.0	73.9	4132.4	0.254	1761	
5L	56.0	82.6	4834.1	0.211	1826	
5L	58.0	93.2	5721.9	0.170	1892	
5L	60.0	107.1	6920.4	0.124	1957	
5L	62.0	127.7	8769.9	0.076	2022	
5L	62.9	141.0	9981.6	0.056	2050	
6L	64.0	156.8	11452.9	0.064	1835	
6L	66.0	205.7	16132.6	0.026	1892	

1st Lockup Hold (1C-1L) (Low Power)

	Vehicle Speed (mph)	Time (sec)	Distance (ft)	Accel Rate (mph/sec)	Engine Speed (rpm)	
1C	2.0	0.3	0.4	6.421	1792	
1C	4.0	0.6	2.0	5.030	1820	
1C	6.0	1.1	5.5	3.721	1886	
1C	6.8	1.3	7.7	3.213	1923	
1L	8.0	1.8	12.2	2.857	1603	
1L	10.0	2.6	22.9	2.159	2004	

This SCAAN information is subject to the SCAAN Disclaimer set forth elsewhere.

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	ENGINE SIZES (L)	FUEL TYPE [1]	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS [2]	ECS & SPECIAL FEATURES [3]	DIAGNOSTIC [6]
2011	BCEXH0540LAS	8.9	Diesel	Diesel	HHDD	DDI, TC, CAC, ECM, EGR, OC, PTOX, SCR-U	EMD

PRIMARY ENGINE'S IDLE EMISSIONS CONTROL [5]	ADDITIONAL IDLE EMISSIONS CONTROL [5]
30g	N/A

ENGINE (L)	ENGINE MODELS / CODES (rated power, in hp)
8.9	ISL9 380 / 3772;FR93392 (365), ISL9 345 / 3772;FR93594 (330), ISL9 370 / 3722;FR93593 (365)
*	*
*	*
*	*

* =not applicable; **GVWR**=gross vehicle weight rating; **13 CCR xyz**=Title 13, California Code of Regulations, Section xyz; **40 CFR 86.abc**=Title 40, Code of Federal Regulations, Section 86.abc; L=liter; **hp**=horsepower; **kw**=kilowatt; **hr**=hour;

[1] **CNG/LNG**=compressed/liquefied natural gas; **LPG**=liquefied petroleum gas; **E85**=85% ethanol fuel; **MF**=multi fuel a.k.a. **BF**=bi fuel; **DF**=dual fuel; **FF**=flexible fuel;

[2] **L/M/H HDD**=light/medium/heavy heavy-duty diesel; **UB**=urban bus; **HDO**=heavy duty Otto;

[3] **ECS**=emission control system; **TWC/OC**=three-way/oxidizing catalyst; **NAC**=NOx adsorption catalyst; **SCR-U / SCR-N**=selective catalytic reduction – urea / – ammonia; **WU (prefix)** =warm-up catalyst; **DPF**=diesel particulate filter; **PTOX**=periodic trap oxidizer; **HO2S/O2S**=heated/oxygen sensor; **HAFS/AFS**=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); **TBI**=throttle body fuel injection; **SFI/MFI**=sequential/multi port fuel injection; **DGI**=direct gasoline injection; **GCARB**=gaseous carburetor; **IDI/DDI**=indirect/direct diesel injection; **TC/SC**=turbo/super charger; **CAC**=charge air cooler; **EGR / EGR-C**=exhaust gas recirculation / cooled EGR; **PAIR/AIR**=pulsed/secondary air injection; **SPL**=smoke puff limiter; **ECM/PCM**=engine/powertrain control module; **EM**=engine modification; **2 (prefix)**=parallel; **(2) (suffix)**=in series;

[5] **ESS**=engine shutdown system (per 13 CCR 1956.8(a)(6)(A)(1); **30g**=30 g/hr NOx (per 13 CCR 1956.8(a)(6)(C); **APS**=internal combustion auxiliary power system; **ALT**=alternative method (per 13 CCR 1956.8(a)(6)(D); **Exempt**=exempted per 13 CCR 1956.8(a)(6)(B) or for CNG/LNG fuel systems; **N/A**=not applicable (e.g., Otto engines and vehicles);

[6] **EMD**=engine manufacturer diagnostic system (13 CCR 1971); **OBD**=on-board diagnostic system (13 CCR 1971.1);

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. *(For flexible- and dual-fueled engines, the CERT values in brackets [ ] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.).*

in g/bhp-hr	NMHC		NOx		NMHC+NOx		CO		PM		HCHO	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	*	*	*	*	15.5	15.5	0.01	0.01	*	*
FEL	*	*	0.33	0.33	*	*	*	*	*	*	*	*
CERT	0.000	0.003	0.24	0.26	*	*	0.0	0.0	0.000	0.000	*	*
NTE	0.21		0.50		*		19.4		0.02		*	

[4] **g/bhp-hr**=grams per brake horsepower-hour; **FTP**=Federal Test Procedure; **EURO**=Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing; **NTE**=Not-to-Exceed; **STD**=standard or emission test cap; **FEL**=family emission limit; **CERT**=certification level; **NMHC/HC**=non-methane/hydrocarbon; **NOx**=oxides of nitrogen; **CO**=carbon monoxide; **PM**=particulate matter; **HCHO**=formaldehyde; **(Rev.: 2007-02-26)**

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: Except in vehicle applications exempted per 13 CCR 1956.8(a)(6)(B), engines in this engine family certified under 13 CCR 1956.8(a)(6)(C) [30 g/hr NOx] and section 35.B.4 of the incorporated "California Exhaust Emissions Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles" (HDDE Test Procedures) adopted Dec. 12, 2002, as last amended Sep. 1, 2006, shall be provided with an approved "Certified Clean Idle" label that shall be affixed to the vehicle into which the engine is installed.

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this 30th day of March 2011.

Annette Hebert, Chief
Mobile Source Operations Division