



LEXINGTON

Lexington-Fayette Urban County Government

Lexington, Kentucky
Horse Capital of the World

Division of Central Purchasing

Date of Issue: December 6, 2017

INVITATION TO BID #191-2017 Low Entry Cab & Chassis Truck with Refuse Collection Body

Bid Opening Date: December 20, 2017

Bid Opening Time: 2:00 PM

Address: 200 East Main Street, 3rd Floor, Room 338, Lexington, Kentucky 40507

Type of Bid: Price Contract

Pre Bid Meeting: N/A
Address: N/A

Pre Bid Time: N/A

Sealed bids will be received in the office of the Division of Central Purchasing, 200 East Main Street, Lexington, Kentucky, until **2:00 PM**, prevailing local time on **12/20/2017**. Bids must be received by the above-mentioned date and time. Mailed bids should be sent to:

**Division of Central Purchasing
200 East Main Street, Room 338
Lexington, KY 40507, (859) 258-3320**

The Lexington-Fayette Urban County Government assumes no responsibility for bids that are not addressed and delivered as indicated above. **Bids that are not delivered to the Division of Central Purchasing by the stated time and date will be rejected.** All bids must be signed and have the company name and address, bid invitation number, and the name of the bid on the outside of the envelope.

Bids are to include all shipping costs to the point of delivery located at: 669 Byrd Thurman Drive, Lexington, KY

<input type="checkbox"/> Bid Specifications Met	<input checked="" type="checkbox"/> Check One: Exceptions to Bid Specifications. <i>Exceptions shall be itemized and attached to bid proposal submitted.</i>	Proposed Delivery: 150-200 days after acceptance of bid.
Procurement Card Usage —The Lexington-Fayette Urban County Government may be using Procurement Cards to purchase goods and services and also to make payments. Will you accept Procurement Cards? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Submitted by: Worldwide Equipment
Firm Name

945 Nandria Blvd
Address
Lexington Ky 40511
City, State & Zip

Bid must be signed:
(original signature)

[Signature]
Signature of Authorized Company Representative – Title

Jim Dotson
Representative's Name (Typed or printed)

859-281-5152 859-253-4639
Area Code - Phone - Extension **Fax #**

jim-dotson @ the-truck-people.com
E-Mail Address

15.0 Addendums

15.1 **Exceptions** to any parts of these specifications shall be listed on the attached "Exception Page" with reference to the applicable paragraph number from this document.

15.2 **Warranty** page must be completed in its entirety in order to have your bid evaluated.

15.3 **Other Information** page must be completed in its entirety in order to have your bid evaluated.

15.4 **Pricing:**

Price for 1 complete unit:

Chassis Make and Model Manx LR 64G Packer Body Make and Model Heil Dura Pack

Chassis with 9 Liter CNG \$ 151,617 Packer Body \$ 184,191 Total \$ 335,808.00

Chassis with 12 Liter CNG \$ NA Packer Body \$ NA Total \$ NA

Price for 2 or more complete units:

Chassis Make and Model Manx LR 64G Packer Body Make and Model Heil Dura Pack

Chassis with 9 Liter CNG \$ 151,367 Packer Body \$ 184,191 Total \$ 335,558.00

Chassis with 12 Liter CNG \$ NA Packet Body \$ NA Total \$ NA

EXCEPTION PAGE

Paragraph Number	Description of Exception
2.8.	Block heater located in grill
	1000 watt max by cummins
3.1.	Center Tow Pin
3.8	Michelin XFE Stee Tires
3.3.	Front Suspension 20,000 some
	jusp as 100+ units LFUGG
	Mack Truck currently running.

Warranty Description

Basic Vehicle Warranty (cab & chassis)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	5 yr, 150,000	Mack	<input checked="" type="radio"/> Yes / No
Basic Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	5 yr, 150,000	Mack Allison	<input checked="" type="radio"/> Yes / No
Engine Warranty (paragraph 2.2)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	SEE Attached		Yes / No
Transmission Warranty (paragraph 2.11)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	SEE Attached		Yes / No
Exterior Finish Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
			Yes / No
Hydraulic Pump Warranty (paragraph 10.1)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
			Yes / No
Hydraulic Cylinder Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
			Yes / No
Back-Up Vision System Warranty (paragraph 11.7)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
			Yes / No

Other Information

Exterior Finish (paragraph 11.5)	Describe painting or coating system for the exterior surfaces of the body.
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Finished Overall Height (paragraph 11.9)	Measured height from the ground to the highest point of finished unit.	The LFUCG Division of Waste Management will have final approval of finished vehicle height. Stated heights in excess of thirteen feet (13') may be cause for rejection. Any unit whose measured height upon delivery exceeds that stated herein will not be accepted.
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Warranty Description

Basic Vehicle Warranty (cab & chassis)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
			Yes / No
Basic Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	12 Months	Heil/C.I.T.E.	<u>Yes</u> / No
Engine Warranty (paragraph 2.2)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
			Yes / No
Transmission Warranty (paragraph 2.11)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
			Yes / No
Exterior Finish Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	12 Months	Heil/C.I.T.E.	<u>Yes</u> / No
Hydraulic Pump Warranty (paragraph 10.1)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	24 Months	Heil/C.I.T.E.	<u>Yes</u> / No
Hydraulic Cylinder Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	12 Months	Heil/C.I.T.E.	<u>Yes</u> / No
Back-Up Vision System Warranty (paragraph 11.7)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	60 Months	Pro-Vision	<u>Yes</u> / No

Other Information

Exterior Finish (paragraph 11.5)	Describe painting or coating system for the exterior surfaces of the body.
	Please see attached Exterior Finish Description Page.

Finished Overall Height (paragraph 11.9)	Measured height from the ground to the highest point of finished unit.	The L.FUCG Division of Waste Management will have final approval of finished vehicle height. Stated heights in excess of thirteen feet (13') may be cause for rejection. Any unit whose measured height upon delivery exceeds that stated herein will not be accepted.

AFFIDAVIT

Comes the Affiant, Worldwide Egypt and after being first duly sworn under penalty of perjury as follows:

1. His/her name is Jim Dotson and he/she is the individual submitting the bid or is the authorized representative of Worldwide Egypt the entity submitting the bid (hereinafter referred to as "Bidder")
2. Bidder will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the bid is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.
3. Bidder will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.
4. Bidder has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.
5. Bidder has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Bidder will not violate any provision of the campaign finance laws of the Commonwealth.
6. Bidder has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."
7. Bidder acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught. Worldwide Egypt

STATE OF Kentucky
COUNTY OF Fayette

The foregoing instrument was subscribed, sworn to and acknowledged before me by Jim Dotson on this the 19th day of Dec., 2017.

My Commission expires: 4/26/21
Steph Cantel
NOTARY PUBLIC, STATE AT LARGE

Please refer to Section II, Bid Conditions, Item "U" prior to completing this form.

I. GREEN PROCUREMENT

A. ENERGY

The Lexington-Fayette Urban County Government is committed to protecting our environment and being fiscally responsible to our citizens.

The Lexington-Fayette Urban County Government mandates the use of Energy Star compliant products if they are available in the marketplace (go to www.Energystar.gov). If these products are available, but not submitted in your pricing, your bid will be rejected as non-compliant.

ENERGY STAR is a government program that offers businesses and consumers energy-efficient solutions, making it easy to save money while protecting the environment for future generations.

Key Benefits

- These products use 25 to 50% less energy
- Reduced energy costs without compromising quality or performance
- Reduced air pollution because fewer fossil fuels are burned
- Significant return on investment
- Extended product life and decreased maintenance

B. GREEN SEAL CERTIFIED PRODUCTS

The Lexington-Fayette Urban County Government is also committed to using other environmentally friendly products that do not negatively impact our environment. Green Seal is a non-profit organization devoted to environmental standard setting, product certification, and public education.

Go to www.GreenSeal.org to find available certified products. These products will have a reduced impact on the environment and on human health. The products to be used must be pre-approved by the LFUCG prior to commencement of any work in any LFUCG facility. If a Green Seal product is not available, the LFUCG must provide a signed waiver to use an alternate product. Please provide information on the Green Seal products being used with your bid response.

C. GREEN COMMUNITY

The Lexington-Fayette Urban County Government (LFUCG) serves as a principal, along with the University of Kentucky and Fayette County Public Schools, in the Bluegrass Partnership for a Green Community. The Purchasing Team component of the Partnership collaborates on economy of scale purchasing that promotes and enhances environmental initiatives. Specifically, when applicable, each principal is interested in obtaining best value products and/or services which promote environment initiatives via solicitations and awards from the other principals.

If your company is the successful bidder on this Invitation For Bid, do you agree to extend the same product/service pricing to the other principals of the Bluegrass Partnership for a Green Community (i.e. University of Kentucky and Fayette County Schools) if requested?

Yes ✓ No

II. Bid Conditions

- A. No bid may be withdrawn for a period of sixty (60) days after the date and time set for opening.
- B. No bid may be altered after the date and time set for opening. In the case of obvious errors, the Division of Central Purchasing may permit the withdrawal of a bid. The decision as to whether a bid may be withdrawn shall be that of the Division of Central Purchasing.
- C. Acceptance of this proposal shall be enactment of an Ordinance by the Urban County Council.
- D. The bidder agrees that the Urban County Government reserves the right to reject any and all bids for either fiscal or technical reasons, and to award each part of the bid separately or all parts to one vendor.
- E. Minor exceptions may not eliminate the bidder. The decision as to whether any exception is minor shall be entirely that of the head of the requisitioning Department or Division and the Director of the Division of Central Purchasing. The Urban County Government may waive technicalities and Informalities where such waiver would best serve the interests of the Urban County Government.
- F. Manufacturer's catalogue numbers, trade names, etc., where shown herein are for descriptive purposes and are to guide the bidder in interpreting the standard of quality, design, and performance desired, and shall not be construed to exclude proposals based on furnishing other types of materials and/or services. However, any substitution or departure proposed by the bidder must be clearly noted and described; otherwise, it will be assumed that the bidder intends to supply items specifically mentioned in this Invitation for Bids.
- G. The Urban County Government may require demonstrations of the materials proposed herein prior to acceptance of this proposal.
- H. Bids must be submitted on this form and must be signed by the bidder or his authorized representative. Unsigned bids will not be considered.
- I. Bids must be submitted prior to the date and time indicated for opening. Bids submitted after this time will not be considered.
- J. All bids mailed must be marked on the face of the envelope:

"Bid on #191-2017 Low Entry Cab & Chassis Truck with Refuse Collection Body"

and addressed to: Division of Central Purchasing
 200 East Main Street, Room 338
 Lexington, Kentucky 40507

The Lexington-Fayette Urban County Government assumes no responsibility for bids that are not addressed and delivered as indicated above. Bids that are not delivered to the Division of Central Purchasing by the stated time and date will be rejected.

- K. Bidder is requested to show both unit prices and lot prices. In the event of error, the unit price shall prevail.
- L. A certified check or Bid Bond in the amount of XX percent of the bid price must be attached hereto. This check must be made payable to the Lexington-Fayette Urban County Government, and will be returned when the material and/or services specified herein have been delivered in accordance with specifications. In the event of failure to perform within the time period set forth in this bid, it is agreed the certified check may be cashed and the funds retained by the Lexington-Fayette Urban County Government as liquidated damages. Checks of unsuccessful bidders will be returned when the bid has been awarded.
- M. The delivery dates specified by bidder may be a factor in the determination of the successful bidder.
- N. Tabulations of bids received may be mailed to bidders. Bidders requesting tabulations must enclose a stamped, self-addressed envelope with the bid.
- O. The Lexington-Fayette Urban County Government is exempt from Kentucky Sales Tax and Federal Excise Tax on materials purchased from this bid invitation. Materials purchased by the bidder for construction

projects are not tax exempt and are the sole responsibility of the bidder.

- P. All material furnished hereunder must be in full compliance with OSHA regulations.
- Q. If more than one bid is offered by one party, or by any person or persons representing a party, all such bids shall be rejected.
- R. Signature on the face of this bid by the Bidder or his authorized representative shall be construed as acceptance of and compliance with all terms and conditions contained herein.
- S. The Entity (regardless of whether construction contractor, non-construction contractor or supplier) agrees to provide equal opportunity in employment for all qualified persons, to prohibit discrimination in employment because of race, color, creed, national origin, sex or age, and to promote equal employment through a positive, continuing program from itself and each of its sub-contracting agents. This program of equal employment opportunity shall apply to every aspect of its employment policies and practices.
- T. The Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) requires that any county, city, town, school district, water district, hospital district, or other political subdivision of the state shall include in directly or indirectly publicly funded contracts for supplies, materials, services, or equipment hereinafter entered into the following provisions:

During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age or national origin;*
- (2) The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractors that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age or national origin;*
- (3) The contractor will post notices in conspicuous places, available to employees and applicants for employment, setting forth the provisions of the non-discrimination clauses required by this section; and*
- (4) The contractor will send a notice to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding advising the labor union or workers' representative of the contractor's commitments under the nondiscrimination clauses.*

The Act further provides:

KRS 45.610. Hiring minorities - Information required

- (1) For the length of the contract, each contractor shall hire minorities from other sources within the drawing area, should the union with which he has collective bargaining agreements be unwilling to supply sufficient minorities to satisfy the agreed upon goals and timetable.*
- (2) Each contractor shall, for the length of the contract, furnish such information as required by KRS 45.560 to KRS 45.640 and by such rules, regulations and orders issued pursuant thereto and will permit access to all books and records pertaining to his employment practices and work sites by the contracting agency and the department for purposes of investigation to ascertain compliance with KRS 45.560 to 45.640 and such rules, regulations and orders issued pursuant thereto.*

KRS 45.620. Action against contractor - Hiring of minority contractor or subcontractor

- (1) If any contractor is found by the department to have engaged in an unlawful practice under this chapter during the course of performing under a contract or subcontract covered under KRS 45.560 to 45.640, the department shall so certify to the contracting agency and such certification shall be binding upon the contracting agency unless it is reversed in the course of judicial review.*
- (2) If the contractor is found to have committed an unlawful practice under KRS 45.560 to 45.640, the contracting agency may cancel or terminate the contract, conditioned upon a program for future compliance approved by the contracting agency and the department. The contracting agency may*

declare such a contractor ineligible to bid on further contracts with that agency until such time as the contractor complies in full with the requirements of KRS 45.560 to 45.640.

- (3) *The equal employment provisions of KRS 45.560 to 45.640 may be met in part by a contractor by subcontracting to a minority contractor or subcontractor. For the provisions of KRS 45.560 to 45.640, a minority contractor or subcontractor shall mean a business that is owned and controlled by one or more persons disadvantaged by racial or ethnic circumstances.*

KRS 45.630 Termination of existing employee not required, when

Any provision of KRS 45.560 to 45.640 notwithstanding, no contractor shall be required to terminate an existing employee upon proof that that employee was employed prior to the date of the contract.

KRS 45.640 Minimum skills

Nothing in KRS 45.560 to 45.640 shall require a contractor to hire anyone who fails to demonstrate the minimum skills required to perform a particular job.

It is recommended that all of the provisions above quoted to be included as special conditions in each contract. In the case of a contract exceeding \$250,000, the contractor is required to furnish evidence that his work-force in Kentucky is representative of the available work-force in the area from which he draws employees, or to supply an Affirmative Action plan which will achieve such representation during the life of the contract.

- U. Any party, firm or individual submitting a proposal pursuant to this invitation must be in compliance with the requirements of the Lexington-Fayette Urban County Government regarding taxes and fees before they can be considered for award of this Invitation and must maintain a "current" status with regard to those taxes and fees throughout the term of the contract. The contractor must be in compliance with Chapter 13 from the Code of Ordinances of the Lexington-Fayette Urban County Government. The contractor must be in compliance with Ordinance 35-2000 pursuant to contractor registration with the Division of Building Inspection. If applicable, said business must have a Fayette County business license.

Pursuant to KRS 45A.343 and KRS 45A.345, the contractor shall

- (1) *Reveal any final determination of a violation by the contractor within the previous five year period pursuant to KRS Chapters 136 (corporation and utility taxes), 139 (sales and use taxes), 141 (income taxes), 337 (wages and hours), 338 (occupational safety and health of employees), 341 (unemployment and compensation) and 342 (labor and human rights) that apply to the contractor; and*
- (2) *Be in continuous compliance with the above-mentioned KRS provisions that apply to the contractor for the duration of the contract.*

A contractor's failure to reveal the above or to comply with such provisions for the duration of the contract shall be grounds for cancellation of the contract and disqualification of the contractor from eligibility for future contracts for a period of two (2) years.

- V. Vendors who respond to this invitation have the right to file a notice of contention associated with the bid process or to file a notice of appeal of the recommendation made by the Director of Central Purchasing resulting from this invitation.

Notice of contention with the bid process must be filed within 3 business days of the bid/proposal opening by (1) sending a written notice, including sufficient documentation to support contention, to the Director of the Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his/her contention with the bid process. After consulting with the Commissioner of Finance the Chief Administrative Officer and reviewing the documentation and/or hearing the vendor, the Director of Central Purchasing shall promptly respond in writing findings as to the compliance with bid processes. If, based on this review, a bid process irregularity is deemed to have occurred the Director of Central Purchasing will consult with the Commissioner of Finance, the Chief Administrative Officer and the Department of Law as to the appropriate remedy.

Notice of appeal of a bid recommendation must be filed within 3 business days of the bid recommendation by (1) sending a written notice, including sufficient documentation to support appeal, to the Director, Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his appeal. After reviewing the documentation and/or hearing the vendor and consulting with the Commissioner of Finance and the Chief Administrative Officer, the Director of Central Purchasing shall in writing, affirm or withdraw the recommendation.

III. Procurement Contract Bid Conditions

- A. The terms of this agreement shall be for 1 year(s) from the date of acceptance of this contract by the Lexington-Fayette Urban County Government. This agreement may be automatically extended for an additional 1 year(s) renewal. This contract may be canceled by either party thirty (30) days after delivery by canceling party of written notice of intent to cancel to the other contracting party.
- B. Price Changes (**Space Checked Applies**)
 - (XXX) 1. Prices quoted in response to the Invitation shall be firm prices for the first 90 days of the Procurement Contract. After 90 days, prices may be subject to revision and such changes shall be based on general industry changes. Revision may be either increases or decreases and may be requested by either party. There will be no more than one (1) price adjustment per quarter. Requests for price changes shall be received in writing at least twenty (20) days prior to the effective date and are subject to written acceptance before becoming effective. Proof of the validity of a request for revision shall be responsibility of the requesting party. The Lexington-Fayette Urban County Government shall receive the benefit of any decline that the seller shall offer his other accounts.
 - () 2. No provision for price change is made herein. Prices are to be firm for the term of this contract.
 - () 3. See bid specifications.
- C. If any contract item is not available from the vendor, the Lexington-Fayette Urban County Government, at its option, may permit the item to be back-ordered or may procure the item on the open market.
- D. All invoices must bear reference to the Lexington-Fayette Urban County Government Purchasing document numbers which are being billed.
- E. This contract may be canceled by the Lexington-Fayette Urban County Government if it is determined that the Bidder has failed to perform under the terms of this agreement, such cancellation to be effective upon receipt of written notice of cancellation by the Bidder.
- F. No substitutions for articles specified herein may be made without prior approval of the Division of Central Purchasing.

EQUAL OPPORTUNITY AGREEMENT

Standard Title VI Assurance

The Lexington Fayette-Urban County Government, (hereinafter referred to as the "Recipient") hereby agrees that as a condition to receiving any Federal financial assistance from the U.S. Department of Transportation, it will comply with Title VI of the Civil Rights Act of 1964, 78Stat.252, 42 U.S.C. 2000d-4 (hereinafter referred to as the "Act"), and all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, (49 CFR, Part 21) Nondiscrimination in Federally Assisted Program of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964 (hereinafter referred to as the "Regulations") and other pertinent directives, no person in the United States shall, on the grounds of race, color, national origin, sex, age (over 40), religion, sexual orientation, gender identity, veteran status, or disability be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the Recipient receives Federal financial assistance from the U.S. Department of Transportation, including the Federal Highway Administration, and hereby gives assurance that will promptly take any necessary measures to effectuate this agreement. This assurance is required by subsection 21.7(a) (1) of the Regulations.

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states: *The Contractor will not discriminate against any employee or applicant for employment because of physical or mental disability.*
- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states: *The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.*

The Lexington-Fayette Urban County Government practices Equal Opportunity In recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, veteran status, disability and age.

Signature

Name of Business

Worldwide Egypt

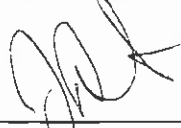
GENERAL PROVISIONS OF BID CONTRACT

By signing the below, bidder acknowledges that it understands and agrees with the following provisions related to its bid response and the provision of any goods or services to LFUCG upon selection by LFUCG pursuant to the bid request:

1. Bidder shall comply with all Federal, State & Local regulations concerning this type of service or good. All applicable state laws, ordinances and resolutions (including but not limited to Section 2-33 (Discrimination due to sexual orientation or gender identity) and Chapter 13 (Licenses and Regulations) of the Lexington-Fayette Urban County Government Code of Ordinances, and Resolution No. 484-17 (Minority, Women, and Veteran-Owned Businesses)) and the regulations of all authorities having jurisdiction over the project shall apply to the contract, and shall be deemed to be incorporated herein by reference.
2. Failure to submit ALL forms and information required by LFUCG may be grounds for disqualification.
3. Addenda: All addenda and IonWave Q&A, if any, must be considered by the bidder in making its response, and such addenda shall be made a part of the requirements of the bid contract. Before submitting a bid response, it is incumbent upon bidder to be informed as to whether any addenda have been issued, and the failure of the bidder to cover any such addenda may result in disqualification of that response.
4. Bid Reservations: LFUCG reserves the right to reject any or all bid responses, to award in whole or part, and to waive minor immaterial defects in proposals. LFUCG may consider any alternative proposal that meets its basic needs.
5. Liability: LFUCG is not responsible for any cost incurred by bidder in the preparation of its response.
6. Changes/Alterations: Bidder may change or withdraw a proposal at any time prior to the opening; however, no oral modifications will be allowed. Only letters, or other formal written requests for modifications or corrections of a previously submitted proposal which is addressed in the same manner as the bid response, and received by LFUCG prior to the scheduled closing time for receipt of bids, will be accepted. The bid response when opened, will then be corrected in accordance with such written request(s), provided that the written request is contained in a sealed envelope which is plainly marked "modifications of bid response".
7. Clarification of Submittal: LFUCG reserves the right to obtain clarification of any point in a bid or to obtain additional information from any bidder.
8. Bribery Clause: By his/her signature on its response, bidder certifies that no employee of his/hers, any affiliate or subcontractor, has bribed or attempted to bribe an officer or employee of the LFUCG.
9. Additional Information: While not necessary, the bidder may include any product brochures, software documentation, sample reports, or other documentation that may assist LFUCG in better understanding and evaluating the bid response. Additional documentation shall not serve as a substitute for other documentation which is required by the LFUCG to be submitted with the bid response.
10. Ambiguity, Conflict or other Errors: If a bidder discovers any ambiguity, conflict, discrepancy, omission or other error in the bid request of LFUCG, it shall immediately notify LFUCG of such error in writing and request modification or clarification of the document if allowable by the LFUCG.
11. Agreement to Bid Terms: In submitting its bid response, the bidder agrees that it has carefully examined the specifications and all provisions relating to LFUCG's bid request, including but not limited to the bid contract. By submission of its bid response, bidder states that it understands the meaning, intent and requirements of LFUCG's bid request and agrees to the same. The successful bidder shall warrant that it is familiar with and understands all provisions herein and shall warrant that it can comply with them. No additional compensation to bidder shall be authorized for services, expenses, or goods reasonably covered under these provisions that the bidder omits from its bid response.
12. Cancellation: LFUCG may unilaterally terminate the bid contract with the selected bidder(s) at any time, with

or without cause, by providing at least thirty (30) days advance written notice unless a different advance written notice period is negotiated prior to contract approval. Payment for services or goods received prior to termination shall be made by the LFUCG provided these goods or services were provided in a manner acceptable to the LFUCG. Payment for those goods and services shall not be unreasonably withheld.

13. **Assignment of Contract:** The selected bidder(s) shall not assign or subcontract any portion of the bid contract with LFUCG without the express written consent of LFUCG. Any purported assignment or subcontract in violation hereof shall be void. It is expressly acknowledged that LFUCG shall never be required or obligated to consent to any request for assignment or subcontract; and further that such refusal to consent can be for any or no reason, fully within the sole discretion of LFUCG.
14. **No Waiver:** No failure or delay by LFUCG in exercising any right, remedy, power or privilege hereunder, nor any single or partial exercise thereof, nor the exercise of any other right, remedy, power or privilege shall operate as a waiver hereof or thereof. No failure or delay by LFUCG in exercising any right, remedy, power or privilege under or in respect of this bid proposal or bid contract shall affect the rights, remedies, powers or privileges of LFUCG hereunder or shall operate as a waiver thereof.
15. **Authority to do Business:** Each bidder must be authorized to do business under the laws of the Commonwealth of Kentucky and must be in good standing and have full legal capacity to provide the goods or services specified in the bid proposal. Each bidder must have all necessary right and lawful authority to submit the bid response and enter into the bid contract for the full term hereof including any necessary corporate or other action authorizing the bidder to submit the bid response and enter into this bid contract. If requested, the bidder will provide LFUCG with a copy of a corporate resolution authorizing this action and/or a letter from an attorney confirming that the proposer is authorized to do business in the Commonwealth of Kentucky. All bid responses must be signed by a duly authorized officer, agent or employee of the bidder.
16. **Governing Law:** This bid request and bid contract shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky. In the event of any proceedings regarding this matter, the bidder agrees that the venue shall be the Fayette County Circuit Court or the U.S. District Court for the Eastern District of Kentucky, Lexington Division and that the bidder expressly consents to personal jurisdiction and venue in such Court for the limited and sole purpose of proceedings relating to these matters or any rights or obligations arising thereunder.
17. **Ability to Meet Obligations:** Bidder affirmatively states that there are no actions, suits or proceedings of any kind pending against bidder or, to the knowledge of the bidder, threatened against the bidder before or by any court, governmental body or agency or other tribunal or authority which would, if adversely determined, have a materially adverse effect on the authority or ability of bidder to perform its obligations under this bid response or bid contract, or which question the legality, validity or enforceability hereof or thereof.
18. **Price Discrepancy:** In case of price discrepancy, unit bid price written in words will prevail followed by unit price written in numbers then total amount bid per line item.
19. Bidder understands and agrees that its employees, agents, or subcontractors are not employees of LFUCG for any purpose whatsoever. Bidder is an independent contractor at all times related to the bid response or bid contract.
20. If any term or provision of this bid contract shall be found to be illegal or unenforceable, the remainder of the contract shall remain in full force and such term or provision shall be deemed stricken.



Signature

12-19-17

Date

WORKFORCE ANALYSIS FORM

Name of Organization: Worldwide Equipment

Categories	Total	White (Not Hispanic or Latino)		Hispanic or Latino		Black or African-American (Not Hispanic or Latino)		Native Hawaiian and Other Pacific Islander (Not Hispanic or Latino)		Asian (Not Hispanic or Latino)		American Indian or Alaskan Native (not Hispanic or Latino)		Two or more races (Not Hispanic or Latino)		Total	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Administrators		1														1	0
Professionals		7	1													7	1
Superintendents																0	0
Supervisors		2				1										3	0
Foremen		3														3	0
Technicians		5														5	0
Protective Service																0	6
Para-Professionals																0	0
Office/Clerical			4				1									0	5
Skilled Craft		2														2	0
Service/Maintenanc		2														2	0
Total:																35	6

Prepared by: gpa B.M. Date: 12, 19, 17

(Name and Title)

Revised 2015-Dec-15



LFUCG MWDBE PARTICIPATION FORM

Bid/RFP/Quote Reference # 191-2017

The MWDBE and/or veteran subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to Central Purchasing for approval immediately. Failure to submit a completed form may cause rejection of the bid.

MWDBE Company, Name, Address, Phone, Email	MBE WBE or DBE	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
1.				
2.				
3.				
4.				

The undersigned company representative submits the above list of MWDBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Worldwide Equipment
Company

12-19-17
Date

[Signature]
Company Representative

G.M.
Title



LEXINGTON

LFUCG MWDBE PARTICIPATION FORM

Bid/RFP/Quote Reference # 19102017
2012-19-17

The MWDBE and/or veteran subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to Central Purchasing for approval immediately. Failure to submit a completed form may cause rejection of the bid.

MWDBE Company, Name, Address, Phone, Email	MBE WBE or DBE	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
1.				
2.				
3.				
4.				

The undersigned company representative submits the above list of MWDBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Worldwide Transport
Company
12-19-17
Date

[Signature]
Company Representative
G.M.
Title



LEXINGTON

LFUCG MWDBE SUBSTITUTION FORM

Bid/RFP/Quote Reference # 191-2017

The substituted MWDBE and/or veteran subcontractors listed below have agreed to participate on this Bid/RFP/Quote. These substitutions were made prior to or after the job was in progress. These substitutions were made for reasons stated below and are now being submitted to Central Purchasing for approval. By the authorized signature of a representative of our company, we understand that this information will be entered into our file for this project. **Failure to submit this form may cause rejection of the bid.**

SUBSTITUTED MWDBE Company Name, Address, Phone, Email	MWDBE Formally Contracted/ Name, Address, Phone, Email	Work to Be Performed	Reason for the Substitution	Total Dollar Value of the Work	% Value of Total Contract
1.					
2.					
3.					
4.					

The undersigned acknowledges that any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Worldwide Export
Company
12-19-17

Date

[Signature]
Company Representative
G.M.

Title



LEXINGTON

MWDBE QUOTE SUMMARY FORM

Bid/RFP/Quote Reference # 191-2017

The undersigned acknowledges that the minority and/or veteran subcontractors listed on this form did submit a quote to participate on this project. Failure to submit this form may cause rejection of the bid.

Company Name <u>Worldwide Egypt</u>	Contact Person <u>Jim Dutton</u>
Address/Phone/Email <u>945 Clancha Blvd Lexington Ky</u>	Bid Package / Bid Date <u>191-2017</u> <u>12-20-17</u>

MWDBE Company Address	Contact Person	Contact Information (work phone Email, cell)	Date Contacted	Services to be performed	Method of Communication (email, phone meeting, ad, event etc)	Total dollars \$\$ Do Not Leave Blank (Attach Documentation)	MBE * AA HA AS NA Female	Veteran

(MBE designation / AA=African American / HA= Hispanic American/AS = Asian American/Pacific Islander/ NA= Native American)

The undersigned acknowledges that all information is accurate. Any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Worldwide Egypt
 Company
12-19-17
 Date

[Signature]
 Company Representative
G.M.
 Title



LEXINGTON

LFUCG SUBCONTRACTOR MONTHLY PAYMENT REPORT

The LFUCG has a 10% goal plan adopted by city council to increase the participation of minority and women owned businesses in the procurement process. The LFUCG also has a 3% goal plan adopted by cited council to increase the participation of veteran owned businesses in the procurement process. In order to measure that goal LFUCG will track spending with MWDBE and Veteran contractors on a monthly basis. By the signature below of an authorized company representative, you certify that the information is correct, and that each of the representations set forth below is true. Any misrepresentation may result in termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims. Please submit this form monthly to the Division of Central Purchasing/ 200 East Main Street / Room 338 / Lexington, KY 40507.

Bid/RFP/Quote # 191-2017

Total Contract Amount Awarded to Prime Contractor for this Project _____

Project Name/ Contract #	Work Period/ From:	To:
Company Name:	Address:	
Federal Tax ID:	Contact Person:	

Subcontractor Vendor ID (name, address, phone, email)	Description of Work	Total Subcontract Amount	% of Total Contract Awarded to Prime for this Project	Total Amount Paid for this Period	Purchase Order number for subcontractor work (please attach PO)	Scheduled Project Start Date	Scheduled Project End Date

By the signature below of an authorized company representative, you certify that the information is correct, and that each of the representations set forth below is true. Any misrepresentations may result in the termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims.

Worldwide Transport
Company

[Signature]
Company Representative

12-19-17
Date

G.M.
Title

LFUCG STATEMENT OF GOOD FAITH EFFORTS

Bid/RFP/Quote # 191-2017

By the signature below of an authorized company representative, we certify that we have utilized the following Good Faith Efforts to obtain the maximum participation by MWDBE and Veteran-Owned business enterprises on the project and can supply the appropriate documentation.

_____ Advertised opportunities to participate in the contract in at least two (2) publications of general circulation media; trade and professional association publications; small and minority business or trade publications; and publications or trades targeting minority, women and disadvantaged businesses not less than fifteen (15) days prior to the deadline for submission of bids to allow MWDBE firms and Veteran-Owned businesses to participate.

_____ Included documentation of advertising in the above publications with the bidders good faith efforts package

_____ Attended LFUCG Central Purchasing Economic Inclusion Outreach event

_____ Attended pre-bid meetings that were scheduled by LFUCG to inform MWDBEs and/or Veteran-Owned Businesses of subcontracting opportunities

_____ Sponsored Economic Inclusion event to provide networking opportunities for prime contractors and MWDBE firms and Veteran-Owned businesses

_____ Requested a list of MWDBE and/or Veteran subcontractors or suppliers from LFUCG and showed evidence of contacting the companies on the list(s).

_____ Contacted organizations that work with MWDBE companies for assistance in finding certified MWDBE firms and Veteran-Owned businesses to work on this project. Those contacted and their responses should be a part of the bidder's good faith efforts documentation.

_____ Sent written notices, by certified mail, email or facsimile, to qualified, certified MWDBEs soliciting their participation in the contract not less than seven (7) days prior to the deadline for submission of bids to allow them to participate effectively.

_____ Followed up initial solicitations by contacting MWDBEs and Veteran-Owned businesses to determine their level of interest.

_____ Provided the interested MWDBE firm and/or Veteran-Owned business with adequate and timely information about the plans, specifications, and requirements of the contract.

_____ Selected portions of the work to be performed by MWDBE firms and/or Veteran-Owned businesses in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MWDBE and Veteran participation, even when the prime contractor may otherwise perform these work items with its own workforce

_____ Negotiated in good faith with interested MWDBE firms and Veteran-Owned businesses not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached.

_____ Included documentation of quotations received from interested MWDBE firms and Veteran-Owned businesses which were not used due to uncompetitive pricing or were rejected as unacceptable and/or copies of responses from firms indicating that they would not be submitting a bid.

_____ Bidder has to submit sound reasons why the quotations were considered unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a MWDBE and/or Veteran-Owned business's quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy MWDBE and Veteran goals.

_____ Made an effort to offer assistance to or refer interested MWDBE firms and Veteran-Owned businesses to obtain the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal

_____ Made efforts to expand the search for MWBE firms and Veteran-Owned businesses beyond the usual geographic boundaries.

_____ Other--any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include MWDBE and Veteran participation.

NOTE: Failure to submit any of the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement which is subject to approval by the MBE Liaison. Documentation of Good Faith Efforts must be submitted with the Bid, if the participation Goal is not met.

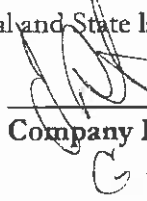
The undersigned acknowledges that all information is accurate. Any misrepresentations may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Worldwide Egypt

Company

12-19-07

Date



Company Representative

Title



Lexington-Fayette Urban County Government

Division of Fleet Management

Bid#191-2017 Low Entry Cab & Chassis Truck with Refuse Collection Body

1.0 SCOPE OF BID

- 1.1 This specification describes the minimum requirements for a low entry cab & chassis truck with an automated side loading high compaction, full eject, refuse collection body.

2.0 REQUIREMENTS

- 2.1 Engine and Drivetrain
- 2.2 Engine: Cummins CNG engine displacement shall not be less than 543 cu in. and specifically designed to operate on compressed natural gas (CNG). Engine shall be rated at minimum 320 horsepower and minimum 1000 lb-ft. of torque. (Cummins offers 2 (two) engines that meet this criteria ISLG 9 liter and the ISX12G 12 liter). Engine manufacturer's warranty shall cover all internally lubricated components, gaskets, seals, fuel system parts, and electronic engine management components for a period of not less than 5 years, 150,000 miles, or 4,500 hours whichever occurs first. Complete description of engine warranty shall be provided in bid package.
- 2.3 Starting: Engine starter shall be 12 volt with overcrank protection.
- 2.4 Batteries: Three (3) 12-volt, threaded post, absorbed glass mat (AGM) batteries providing the maximum available cold cranking amps (CCA) at 0° F. Jump start terminals shall be provided in a convenient location outside the battery enclosure. Battery enclosure shall include all available options to minimize corrosive damage to enclosure. A master battery disconnect shall be located on the outside of the battery enclosure with a pilot light indication of when the truck is energized.
- 2.5 Charging: Engine alternator shall have a rated output of not less than 200 amps.
- 2.6 Air Cleaner: Engine shall be equipped with a dry type air filter system with restriction indicator.
- 2.7 Cooling: Cooling system shall have external spin-on type coolant filter. Coolant shall be all-weather, extended life, providing antifreeze protection to -30° F. All coolant hoses shall be silicone rubber with constant tension hose clamps designed for use with silicone hose.
- 2.8 Engine Heater: Engine shall be equipped with 110-120 volt, 1500 watt immersion type pre heater. Engine heater receptacle shall be flush mounted on driver's (left) side of cab easily visible by person entering cab.
- 2.9 Engine Protection: Engine management system shall provide warning, and shutdown for conditions such as low engine oil pressure, high engine oil temperature, high coolant temperature, and low coolant level.
- 2.10 Exhaust: Unit shall have vertical exhaust system with chrome plated rain-proof stack.

2.11 Transmission: Allison model 4500-RDS, six forward speeds with all features required by body manufacturer. Transmission shall be provided with Allison Extended Transmission Coverage (ETC) providing a total warranty period of five (5) years (ETC plus standard warranty period). Transmission shall be filled with Allison TranSynd™ transmission fluid prior to delivery.

3.0 Chassis

- 3.1 **Frame:** Each frame rail shall have a RBM rating of not less than 3,000,000 in.-lb. Frame shall have two front tow eyes installed. Front bumper shall be painted steel (black).
- 3.2 **Wheel Base:** As determined by body manufacturer.
- 3.3 **Front Axle & Suspension:** Front axle shall have a rated capacity of not less than 20,000 lbs. Front suspension and related components shall have a rated capacity of not less than 23,000 lbs. Front suspension shall include single overload cushions and shock absorbers.
- 3.4 **Rear Axle & Suspension:** Tandem rear axles and suspension shall have a rated capacity of not less than 46,000 lbs. Air bag type suspension will not be considered.
- 3.5 **Dual Steering:** Hydraulic power assisted, with power steering oil cooler.
- 3.6 **Brakes:** Front and rear brake systems shall be Bendix air disc type with severe service brake rotors. Brake hoses shall be wire braid type.
- 3.7 **Air Dryer and Tanks:** Brake system shall be equipped with a Bendix desiccant type air dryer. Air reservoirs shall be drained from a single point. Air brake system shall include a Schrader valve fill port for charging from an external compressed air source. Air tanks shall be painted aluminum.
- 3.8 **Tires & Wheels:** Front wheels- 22.5" X 12.25" pilot mount steel disc. Front tires- 425/65R-22.5 load range L, Michelin XZY 3. Rear wheels- 22.5" X 8.25" pilot mount steel disc. Rear tires- Goodyear 12R22.5 G282 load range H. All wheels shall be furnished with a gloss black powder coat finish.

4.0 Cab and Fixtures

- 4.1 **Cab:** Shall be dual steer, with both left and right sit down seat assemblies, tilt type cab over engine design. Front wheel openings shall have rubber flares installed. Extended rain gutters shall be installed over doors. Cab tilt pump shall include air assist. Cab step into cab shall be sixteen (16) inches from ground level.
- 4.2 **Cab Fixtures:** Driver's seats shall be air suspended. All seating positions shall be equipped with a high visibility seat belt. Cab shall be equipped with an automotive-type integrated air conditioner/heater/defroster with variable speed fan, and an AM/FM radio with mute-in-reverse feature.
- 4.3 **Instruments:** Cab shall include instrumentation for driver monitoring of coolant temperature, engine oil pressure, air pressure, fuel level (pressure), battery voltage, vehicle speed (MPH), engine speed (RPM), transmission oil temperature, alternator output (amps), miles traveled, and engine hours. Warning lights shall be provided for low air pressure, low engine oil pressure, high coolant temperature, differential lock, and parking brake application.
- 4.4 **Backup Alarm:** Vehicle shall have an electronic backup alarm device installed.

- 4.5 Mirrors: Heated tri-plane mirrors with two convex sections each and power remote controlled flat plane in the center.
- 4.6 Horns: Dual electric horns. Single air horn mounted on cab bottom.
- 4.7 Fuel Tank: Diesel gallon equivalent (DGE) of ninety (90) gallons. (see section 12.1)
- 4.8 Paint: Frame shall be gloss black. Cab shall be finished with blue DuPont Imron Elite #44426. Bottom of cab shall be finished and undercoated.
- 4.9 Lighting: All cab lighting shall be LED type. Clearance lamps shall be installed with limb guards.
- 4.10 Auxiliary Switches: Cab and chassis truck manufacturer shall install auxiliary switches in-cab as required by body manufacturer.
- 4.11 Other Equipment: Cab and chassis truck shall retain all standard equipment unless specified or replaced by optional equipment.

5.0 Power Take-Off

- 5.1 Cab & chassis shall be designed to accept front mounting of a crankshaft driven hydraulic pump. Design shall allow PTO operation when cab is in a tilted position. Power take off controls shall be inside cab mounted, within drivers reach.

6.0 Body Construction

- 6.1 Payload Capacity: Net usable capacity shall be not less than 28 cubic yards, excluding the hopper and inclusive of the CNG tailgate. The structural integrity of the body shall allow high density loading of up to 1,000 pounds per cubic yard of normal refuse.
- 6.2 Body Dimensions: Inside height shall be maximum 82 inches, outside height maximum 98 inches above chassis rails, exclusive of body risers. Inside width shall be maximum 91 inches, outside width shall be maximum 96 inches.
- 6.3 Body Floor: Body floor shall be constructed of minimum ¼" AR400 abrasion resisting steel plate having a yield strength of not less than 145,000 PSI. and a tensile strength of not less than 184,000 PSI. Floor shall be flat throughout, troughs or valleys are not acceptable. Two (2) "V" type longitudinals formed of 7 gauge 80,000 PSI yield steel, internally gusseted, shall be provided for the full length of the body. Longitudinals shall be 9.6 inches high X 11 inches wide at the floor and 3.3 inches wide at the truck frame. Cross members shall be 3 inch X 6 inch X 10 gauge, 80,000 PSI yield steel on 18 inch centers. All body floor members shall be continuous weld. The body shall be undercoated to provide protection to the underside of the refuse body.
- 6.4 Body Sidewalls: Body sides shall be minimum 8 gauge abrasion resisting curved steel plate having a yield strength of not less than 80,000 PSI. welded to a roof crown rail and to the floor skirt rail. Rear mainframe body side bolsters shall be a minimum of 3 inch X 20 inch at the mid span section and 5 inch X 20 inch at the major upper and lower connecting points of the mainframe. The bolsters shall

be contour shaped to the sidewall and formed from minimum 7 gauge 80,000 PSI yield steel. The reinforcement bolsters shall be fully welded to the curved body side sheets.

- 6.5 Body Roof: Roof shall be constructed of minimum 8 gauge, abrasion resisting curved steel sheet having a yield strength of not less than 80,000 PSI. fully welded to a full length 8 gauge inner and 11 gauge outer roof crown rail to contain and dissipate forces equally through the body structure. Front and rear lateral roof bow shall be 2" X 8" X ¼" A500, 46,000 PSI. yield steel. Seams shall be fully welded.
- 6.6 Tailgate: Tailgate shall be bustle type, constructed of minimum 10 gauge 100,000 PSI yield steel, hinged at top of body. Raising, lowering, and latching of tailgate shall be done hydraulically. Use of manual screw clamps or turnbuckles to secure tailgate will not be accepted. Tailgate opening shall include a rubber seal to prevent liquid seepage. Seal shall extend minimum fifty-six (56) inches up each side and shall be installed on the tailgate. Tailgate hinge points shall be structurally connected to boxed rear body posts such that a continuous load path is established between the tailgate hinges and the main structural elements of the body. Tailgate shall be raised by two (2) 3 inch ID. double-acting hydraulic cylinders. An in-cab console mounted LED light and audible alarm shall be provided to indicate when the tailgate is not fully closed and locked. There shall be installed in truck cab an audible and red LED indicator light which will alert driver that tailgate is in the up position. All indicator lights shall be labeled.
- 6.7 Hopper: Hopper shall be of flat floor and straight vertical sidewalls, and designed to properly handle thirty (30) gallon through three hundred (300) gallon automated side loader carts. Hopper shall have a minimum capacity of 5.0 cubic yards. Hopper shall be 80 inches wide X 75 inches high streetside and 66 inches high including rubber flap curbside. Hopper length shall be 69.5 inches. Hopper floor shall be constructed ¼" AR400 abrasion resistant steel 145,000 PSI yield strength. Hopper side walls shall be 3/16" AR400 abrasion resistant steel 145,000 PSI yield strength. A hopper sump shall be provided in forward floor area of the hopper. Sump shall have a 40 gallon minimum capacity and have dual clean-out doors. Cleanout tool shall be provided.
- 6.8 Access Opening: The body shall have an opening, with door large enough to provide entry into the hopper body streetside. An interlock shall be provided to instantly stop all hydraulic operations if the access door is opened. An OSHA Standard approved stow-away step arrangement shall be provided for access to the door from ground level.
- 6.9 Rear Guard: The body shall include a bolt-on rear under ride guard as standard equipment to meet Federal Motor Carrier Safety Regulation (49 CFR 393.86).
- 7.0 Packing/Ejection Mechanism**
- 7.1 Packing Mechanism: The packing mechanism shall consist of two (2) double acting multi-stage hydraulic cylinders with chrome rods and spherical bearings on both ends, activating the packing panel, automatically sweeping the hopper and returning upon activation. Unit shall have the capability to repeatedly cycle while on the run. Maximum cycle time shall be fourteen (14) seconds.
- 7.2 Packing Panel: All packing panel face material shall be constructed of minimum ¼" thick steel plate having a yield strength of not less than 80,000 PSI and be abrasion resistant. A spill shield shall be constructed from 11 gauge 50,000 PSI yield steel and shall be affixed to the top of the

packing panel. Remainder of panel assembly and spill shield shall be reinforced and constructed of materials suitable to withstand all compaction forces.

7.3 **Packing Cylinders:** Packing cylinders shall be capable of compacting at a minimum of 83,000 pounds of force. The packing mechanism shall be capable of extending to the rearmost end of the body, past full pack position, to provide off-loading function when the tailgate is raised. Dumping type body units are not acceptable.

7.4 **Packing Performance:**

7.5 **Cycle time:** Maximum time for packing mechanism to clear hopper, pack and return to forward position. Maximum 14 seconds.

Cycle time in seconds _____

7.6 **Compaction:** Indicate the maximum pounds of compaction force provided by the packing cylinders. Minimum 83,000 lbs.

Pounds of force _____

8.0 **Lifting Mechanism**

8.1 **Lifting Mechanism:** The lift base shall support the lift arm, the dump arm, the level pivot, the level link, the pivot link, and the reach link. The lift base shall rest atop the chassis frame rails. Lift mechanisms mounted alongside the chassis frame will not be accepted. All components of lift shall be accessible without lifting body in any way. NO EXCEPTIONS. The lift base shall consist of a ¾" X 16 inch X 61 inch 50,000 PSI yield surface plate for chassis frame mounting. Lift arm shall be mounted on right side of vehicle. Lift reach shall be 9 feet with a load capacity of 800 pounds.

8.2 The lift arm shall consist of a 4 ½ inch X 9 ½ inch structure with a 4 inch X 3 inch structural tube to serve as support for the dump arm.

8.3 The dump arm shall consist of a 4 inch X 3 inch structural tube that will support the appropriate grabbers.

8.4 The lifting mechanism shall be capable of lifting containers ranging from 30-300 gallons and shall be capable of extending, grabbing, raising, dumping, and returning a container from any position without the need to retract the lift arm and shall perform the lift cycle functions maximum eight (8) seconds at engine idle. Lifting mechanism shall incorporate a self-leveling feature to keep the container in a level position throughout the full motion of the outer boom.

8.5 The lift shall be powered by three (3) hydraulic cylinders with cushions at each end of the stroke. The raise and reach cylinders shall have hardened and chrome plated rods. Control valves shall be direct acting, air actuated.

8.6 **Cycle Time:** Maximum time for lifting, mechanism to raise, dump, lower, and disengage container at maximum reach. Maximum: 8 seconds at engine idle.

Cycle time in seconds _____

8.7 A LED light and audible alarm shall be installed within control panel to indicate when the lift is not fully stowed. Indicator light shall be labeled.

9.0 Controls

9.1 Lifting controls: The lift controls shall be a joystick operated with a combination of electric over air over hydraulic and air over hydraulic and located in a convenient location in the cab. The reach and lift shall be controlled by appropriate movement of the joystick. The grabber functions shall be controlled by thumb switches on the upper portion of the joystick.

9.2 **Solid Waste division will have final determination where joystick/controls will be located.**

9.3 The packer button controls shall be electrical push buttons located in the cab convenient to the operator. Separate push buttons shall be provided for "Pack and Retract" to provide complete packer panel movement control in either direction. Pushing the "Pack" button shall automatically extend and retract the packer panel for a complete cycle. Selectable auto-dump and auto-stow shall be provided.

9.4 An emergency on/off button shall be provided to stop packer panel movement during the extent or retract cycles.

9.5 Tailgate raise and tailgate lock controls shall be individually controlled by pneumatic toggle switches inside the cab.

10.0 Hydraulic System

10.1 Hydraulic Pump: Front mounted hydraulic pump shall be a Denison tandem vane pump with electronic over-speed control. The system shall have a maximum 2500 PSI working pressure. The lift operation shall be limited to 18 GPM @ 800 RPM. The pump shall combine flow to 44 GPM @ 1200 RPM to operate the packer panel. Pump shall have the ability to pack-on-the-run. Pump driveshaft shall be provided with suitable guard. Hydraulic pump shall be warranted by its manufacturer for a period of not less than two (2) years. No clutches shall be used in PTO/pump system. Pump shall be mounted to allow ease of maintenance and removal, removal of bumper to gain access to pump is not acceptable. Hydraulic pump shall be primarily constructed of cast iron and/or steel.

10.2 Hydraulic Tank: Tank shall be of sufficient capacity to allow repeated cycling without overheating hydraulic oil. Tank shall be provided with an internally mounted suction screen with service access, return line filter with spin-on element, electrical by-pass indicator, shut-off ball valve, and screened fill port. All tank venting shall be filtered. Tank shall have a temperature gauge and an oil sight gauge with a minimum length of 5 inches. A pressure differential monitor with "CHANGE FILTER" light shall be installed in cab. Tank shall have an outer black powder coated finish.

10.3 Hydraulic Plumbing: Welded steel tubing shall be used wherever possible secured by cushioned clamps. All hydraulic hose shall meet or exceed SAE 100R2 Type AT requirements and shall be

protected by protective nylon sock. Excluding main suction hose, no hose clamp connections will be accepted.

11.0 Miscellaneous

- 11.1 The frame rails of the truck shall not be drilled, cut, or altered in any way other than that approved by the chassis manufacturer.
- 11.2 **Lighting:** All lighting required by the Federal Motor Vehicle Safety Standard #108, shall be installed. Headlights shall be LED. All rear facing stop, turn, or tail lamps shall be flush mounted, sealed LED units. All clearance lamps shall be grommet mounted sealed LED units. License plate lamps and backup lamps shall be sealed LED units. Sealed LED lamps shall be used to illuminate the arm and inside hopper area, both controlled by switches in truck cab.
- 11.3 **Strobe Lights:** Two (2) rear facing and two (2) front facing, four inch (4") round, grommet mounted, amber strobe lights shall be mounted in a manner consistent with other front and rear facing lights. All strobe lights shall be grommet-mounted, amber in color, self-contained LED units. Strobe box systems will not be accepted.
- 11.4 **Wiring:** Any circuit added to the truck requiring fuse protection shall be wired through the truck's fuse panel. All connections to a component shall be made with a molded plug or otherwise environmentally sealed connector. Individual wires shall be terminated with a terminal which is crimped, soldered, and covered with heat shrink tubing. Splices should be avoided. If a spliced wire cannot be avoided, the splice shall be soldered and covered with heat shrink tubing. Under no circumstances will the use of the following items or methods be accepted: crimp-type butt connectors, ScotchlokTMs, solderless terminals, electrical tape, wire nuts, in-line fuses. All wiring shall be encased in protective flexible loom. All switches not manually operated shall be proximity in type. Mechanical switches are not allowed.
- 11.5 **Painting/Coating:** Entire body shall be thoroughly cleaned of dirt, oil, grease, and welding slag prior to painting or coating. No electrical wire, hydraulic hose, hose end fitting or other hydraulic fittings shall be painted or coated. Body to be metallic gray (DuPont Imron Elite 44400U). Bid package shall include thorough description of painting or coating process and any warranty provided.
- 11.6 **Safety Equipment:** A 20 lb. fully rechargeable, A-B-C fire extinguisher shall be mounted on the outside of the driver's side of packer body in a convenient location. A set of reflecting safety triangles shall be provided.
- 11.7 **Back-Up Vision System:** A closed circuit rear vision system (Pro Vision) utilizing four (4) color cameras and a color multi-view LCD monitor positioned for convenient viewing by driver shall be installed. System shall automatically activate when truck is in reverse gear or may be manually activated. Camera shall be protected by a stainless steel cage. (1st) camera shall provide a view of the area immediately behind the center of the truck, (2nd) camera shall provide a view of the hopper, (3rd) camera shall provide a view of the arm, (4th) camera shall provide a view down the left side of the vehicle. Vision system components shall be provided with a five (5) year warranty. **Pro-Vision is the only system accepted.**

- 11.8 Collision Avoidance System: There shall be installed a (VDI) Voice Distance Indication reversing/sonar system mounted in rear of vehicle, (Collision Avoidance Systems part number CAS-4HW), with beeping and voice warning indicating potential obstacles are at the rear of the vehicle, system shall include three (3) acoustic, flush mounted sensors, with detecting angles of horizontal approximately 30 degrees, vertical approximately 50 degrees, detection range of 24 inches to 12 feet, microprocessor, and speaker mounted in cab. System shall carry minimum 1 year warranty.
- 11.9 Finished Overall Height: Bid package must state the overall finished height of the unit. Bid packages failing to state finished height cannot be evaluated.
- 11.10 Cylinder Attachment: Hydraulic cylinder attachment pins shall be drilled and taped such that pulling equipment can be used to facilitate their removal. Pins retained by removable saddles are exempt from this requirement.
- 11.11 AutoLube System: A Lincoln Quicklube[®] On Board Grease System shall be installed to service all critical points of lubrication on the refuse body. All hoses and components shall be installed in a manner where there will be no inference with body or chassis components or operations.
- 11.12 Tool box: A weatherproof stainless steel tool box (Bawer TU826500) shall be installed on rear of unit.
- 11.13 Unit Graphics: Graphics designed and furnished by the LFUCG Waste Management shall be installed on body.
- 11.14 Mud Flaps: Mud flaps shall be installed in front of front axle and behind rear axle.

12.0 Compressed Natural Gas

- 12.1 Unit shall be provided with a compressed natural gas fuel system with a capacity of not less than the equivalent of ninety (90) diesel gallons (DGE) mounted in tailgate. **Tailgate fuel tank(s)** shall be appropriately protected from damage caused by vehicle collision or other calamity. System shall include both a fast and slow fill port conveniently located on drivers side, a maintenance defueling port, and an interlock to prevent engine start unless fill hoses have been disconnected. Additional fast and slow fill fueling ports shall be provided in the front bumper. Pressure sending unit capable of driving the chassis OEM fuel gauge, shall be installed. Routing of fuel lines to fuel storage cylinders shall not be exposed on side of body, but must be routed through and protected by steel raceways built into the structure of the body. Non-tailgated mounted and/or split systems are not acceptable.
- 12.2 Methane Detection: Each unit shall have a dual zone methane detection system installed with sensors located in the engine compartment and inside the truck cab.

13.0 NOTES

13.1 Testing and Inspection

- 13.2 Each unit furnished shall be physically inspected by LFUCG personnel prior to acceptance. Appropriate measures will be taken to insure compliance with specifications; unit(s) will be checked for completeness and functionality. All equipment, standard and specified, shall be installed and tested prior to delivery. Failure to meet any aspect of this specification for which an exception was not taken may be grounds for refusal of delivery and/or payment.

13.2 Delivery

- 13.3 Completed vehicle(s) shall be delivered and titled to LFUCG Division of Fleet Services facility located at 669 Byrd Thurman Drive, Lexington, Kentucky. Units shall be ready to work upon delivery.

13.4 Literature

- 13.5 Manufacturer's literature which shall include complete specifications and warranty shall be included with bid and becomes integral part of bid. All literature submitted shall be original printed material- no photocopied material. Any modifications which may be necessary to meet specifications must be listed in writing and submitted as integral part of bid.

13.6 Method of Award

- 13.7 A price contract shall be awarded to the responsive and responsible bidder who has demonstrated the capability to best comply with the requirements contained herein at the lowest unit price. The price contract price shall remain in effect for one (1) year after date of award with an option to re-new for one (1) additional year if agreed by both parties. Adequately documented justification must accompany any request for price adjustment during the contract term to be considered. The issuance of a price contract does not obligate the LFUCG for any purchases or quantities.

14.0 General

- 14.1 All equipment furnished shall be new and unused, current model production.
- 14.2 Training: Manufacturer's representative shall spend a minimum of two (2) days, instructing LFUCG mechanics and operators in the maintenance and operation of the equipment provided. One (1) day for LFUCG mechanics and one (1) day for operators as needed. Training shall include the cab & chassis, packer body and the CNG fuel system.
- 14.3 Successful bidder shall provide one (1) repair manual and one (1) parts manual with each group of units delivered. Electronic delivery or internet access to parts and service manuals is acceptable. Each unit shall be provided with a printed operator's manual. All manuals shall be original printed editions. Discs and/or manuals shall be included at time of delivery.
- 14.4 Warranty Repairs: (Applies to entire unit) If the vendor providing warranty service for any portion of unit(s) described herein whose repair facility is in excess of fifteen (15) miles from the LFUCG Fleet Services facility, at the vendor's option, warranty repairs may be performed at the vendor's location provided vendor picks up the vehicle within 24 hours of notification and returns vehicle upon completion of repairs. When vendor elects this option, all transportation expenses shall be included in the warranty coverage. In the interest of reduced downtime, the Division of Fleet Services may be designated a warranty repair shop. An in-house warranty agreement shall include reimbursement or credit for parts at 100% of their cost and labor at a rate of eighty five dollars (\$85.00) per hour. If the manufacturer publishes a time table for standard repair operations, one will be furnished and used to determine billable labor. If such a standard does not exist, vendor agrees to reimburse labor as recorded on LFUCG repair orders (actual time). Vendor shall furnish any forms the manufacturer may require for warranty return parts. LFUCG will invoice vendor for warranty repairs during the warranty period. Vendor shall agree to accept LFUCG repair orders as evidence of work performed.
- 14.5 Winning bidder shall have a service/warranty dealership within 15 miles of LFUCG Fleet Service 669 Byrd Thurman Dr. Lexington, Ky. 40510 and shall be fully certified and authorized in all aspects of the chassis service/warranty including but not limited to Allison transmission, and Cummins CNG engine, no exceptions.
- 14.6 References: Upon request, bidder shall provide a list of at least five (5) users of the exact model bid.
- 14.7 Demonstrator: LFUCG reserves the right to request a demonstrator unit of the model proposed to be tested and inspected by LFUCG personnel for a minimum of five (5) business days. Demonstrator unit must be available within ten (10) business days of request.
- 14.8 Unit(s) shall retain all standard equipment as shown in published literature unless replaced by optional equipment specified herein. Units provided under this specification shall fully comply with any and all applicable OSHA, ANSI, and FMVSS standards as well as all applicable Federal, State, and local laws, regulations, standards, ordinances, resolutions, and codes at time of delivery.
- 14.9 Tools: Any tools and or software that is needed for interfacing and/or programming engine, transmission, brakes, chassis and packer components shall be supplied and included in bid.



CENTRAL INDIANA TRUCK EQUIPMENT CORP.

2128 SOUTH HARDING STREET • PHONE (317) 639-4207
INDIANAPOLIS, INDIANA 46221 • FAX (317) 638-4544

December 19, 2017

Worldwide Equipment
945 Nandino Blvd.
Lexington, KY 40511
Attn: Jim Dotson

Bid #191-2017

We are pleased to bid the following Heil quality equipment:

One Heil DuraPack Python 28 cubic yard automated sideloader, equipped with 90 DGE CNrG tailgate (CNrG tailgate takes up roughly two cubic yards of net capacity), **as per LFUCG specifications**, F.O.B. Lexington, KY.

Bid Price: \$184,191 each

Our packet includes a clarification page, an exterior finish description page, an additional options available page, and specification pages 6,7, 12-15. Please include them in your bid packet.

Body height is 99" above chassis frame height. ***Please complete the Finished Overall Height requirement in paragraph 11.9 on page 15.***

Delivery of completed unit is 90-120 days after delivery of chassis of proper specifications to:

Heil Environmental
106 45th St NE
Ft. Payne, AL 35967

Above pricing does not include any applicable state or local taxes.

Sincerely,

Danny D. Vaught
Vice President

Clarification Page

6.1 Payload Capacity

We are bidding a Heil Python 28 cubic yard body, with the 90 DGE CNrG tailgate option added.

The overall capacity is twenty-eight cubic yards, exclusive of the hopper and inclusive of the CNrG tailgate. The CNrG tailgate option takes up roughly two cubic yards of net capacity.

Heil Python Exterior Finish Description

First Step- Smoothing – All weld slag, splatter or roughness shall be removed with the appropriate hand tools. No sand, shot or glass air blasting shall be permitted to eliminate contamination and possible distortion of higher gauge sheet materials used on the body.

Second Step- Purgation- A heated pressure wash shall drench the entire body with a silicate alkaline phosphate based pre-cleaner to clean all metal surfaces. This solution shall be non-corrosive to metals and shall be environmentally friendly.

Third Step- Pre-Treatment- An organically accelerated phosphoric acid based pretreatment will be applied to all metal surfaces. This step provides a chemical conversion coating which changes the chemical and physical nature of the surface by providing a surface that the next application (prime) will adhere to.

Fourth Step- Sealing- The entire body shall be coated with an application of the patented Dry-In-Place Seal from Henkel Surface Technologies. This process shall dramatically improve the surface finish's resistance to rusting that occurs from general wear and tear, and shall provide improvements to paint adhesion and other related corrosion that occurs over the life of the product. This shall help retain the "as new" appearance of the factory paint surface.

Fifth Step- Primer Coat Paint- The seal coat shall be painted using DuPont Corlar- a high performance, low VOC/HAPS epoxy polyamide primer-sealer. Corlar is a two-component gray primer-sealer that is lead and chromate free. This shall be applied in an amount necessary to achieve a dry film thickness of 1.2 mil.

Sixth Step- Finish Top Coat Paint- A high luster finish coat shall be applied using DuPont Imron Elite- a high-performance, low VOC (<3.5 lbs./gal RTS) two-component polyurethane enamel.

An ample amount shall be applied to achieve a dry film thickness of 2 mil and shall result in a finish of 3.2 mil minimum film thickness.

Heil Python Available Options

Heil bodies sold and serviced by:

Central Indiana Truck Equipment Corp.
2128 S. Harding St.
Indianapolis, Indiana 46221

The following options are available to be added to the Heil Python body by CITE Corp. If any of the options are desired, please add them to the original bid price per unit:

Dual High-Pressure Filters: \$1,408

Infinity Packing Cylinders- includes 5-year packer cylinder warranty: \$2,395

3/16th Hopper and Body Floor Liner: \$1,077

Remote Lift Controls: \$1,208

Tapered Roof: \$1,171

Fender Extension: \$567

Manual Hopper Cover: \$950

packing panel. Remainder of panel assembly and spill shield shall be reinforced and constructed of materials suitable to withstand all compaction forces.

7.3 **Packing Cylinders:** Packing cylinders shall be capable of compacting at a minimum of 83,000 pounds of force. The packing mechanism shall be capable of extending to the rearmost end of the body, past full pack position, to provide off-loading function when the tailgate is raised. Dumping type body units are not acceptable.

7.4 **Packing Performance:**

7.5 **Cycle time:** Maximum time for packing mechanism to clear hopper, pack and return to forward position. Maximum 14 seconds.

Cycle time in seconds 14 seconds

7.6 **Compaction:** Indicate the maximum pounds of compaction force provided by the packing cylinders. Minimum 83,000 lbs.

Pounds of force 83,000 lbs.

8.0 **Lifting Mechanism**

8.1 **Lifting Mechanism:** The lift base shall support the lift arm, the dump arm, the level pivot, the level link, the pivot link, and the reach link. The lift base shall rest atop the chassis frame rails. Lift mechanisms mounted alongside the chassis frame will not be accepted. All components of lift shall be accessible without lifting body in any way. **NO EXCEPTIONS.** The lift base shall consist of a ¼" X 16 inch X 61 inch 50,000 PSI yield surface plate for chassis frame mounting. Lift arm shall be mounted on right side of vehicle. Lift reach shall be 9 feet with a load capacity of 800 pounds.

8.2 The lift arm shall consist of a 4 ½ inch X 9 ½ inch structure with a 4 inch X 3 inch structural tube to serve as support for the dump arm.

8.3 The dump arm shall consist of a 4 inch X 3 inch structural tube that will support the appropriate grabbers.

8.4 The lifting mechanism shall be capable of lifting containers ranging from 30-300 gallons and shall be capable of extending, grabbing, raising, dumping, and returning a container from any position without the need to retract the lift arm and shall perform the lift cycle functions maximum eight (8) seconds at engine idle. Lifting mechanism shall incorporate a self-leveling feature to keep the container in a level position throughout the full motion of the outer boom.

8.5 The lift shall be powered by three (3) hydraulic cylinders with cushions at each end of the stroke. The raise and reach cylinders shall have hardened and chrome plated rods. Control valves shall be direct acting, air actuated.

8.6 **Cycle Time:** Maximum time for lifting, mechanism to raise, dump, lower, and disengage container at maximum reach. Maximum: 8 seconds at engine idle.

Cycle time in seconds 8 seconds

8.7 A LED light and audible alarm shall be installed within control panel to indicate when the lift is not fully stowed. Indicator light shall be labeled.

9.0 Controls

9.1 Lifting controls: The lift controls shall be a joystick operated with a combination of electric over air over hydraulic and air over hydraulic and located in a convenient location in the cab. The reach and lift shall be controlled by appropriate movement of the joystick. The grabber functions shall be controlled by thumb switches on the upper portion of the joystick.

9.2 Solid Waste division will have final determination where joystick/controls will be located.

9.3 The packer button controls shall be electrical push buttons located in the cab convenient to the operator. Separate push buttons shall be provided for "Pack and Retract" to provide complete packer panel movement control in either direction. Pushing the "Pack" button shall automatically extend and retract the packer panel for a complete cycle. Selectable auto-dump and auto-stow shall be provided.

9.4 An emergency on/off button shall be provided to stop packer panel movement during the extent or retract cycles.

9.5 Tailgate raise and tailgate lock controls shall be individually controlled by pneumatic toggle switches inside the cab.

10.0 Hydraulic System

10.1 Hydraulic Pump: Front mounted hydraulic pump shall be a Denison tandem vane pump with electronic over-speed control. The system shall have a maximum 2500 PSI working pressure. The lift operation shall be limited to 18 GPM @ 800 RPM. The pump shall combine flow to 44 GPM @ 1200 RPM to operate the packer panel. Pump shall have the ability to pack-on-the-run. Pump driveshaft shall be provided with suitable guard. Hydraulic pump shall be warranted by its manufacturer for a period of not less than two (2) years. No clutches shall be used in PTO/pump system. Pump shall be mounted to allow ease of maintenance and removal, removal of bumper to gain access to pump is not acceptable. Hydraulic pump shall be primarily constructed of cast iron and/or steel.

10.2 Hydraulic Tank: Tank shall be of sufficient capacity to allow repeated cycling without overheating hydraulic oil. Tank shall be provided with an internally mounted suction screen with service access, return line filter with spin-on element, electrical by-pass indicator, shut-off ball valve, and screened fill port. All tank venting shall be filtered. Tank shall have a temperature gauge and an oil sight gauge with a minimum length of 5 inches. A pressure differential monitor with "CHANGE FILTER" light shall be installed in cab. Tank shall have an outer black powder coated finish.

10.3 Hydraulic Plumbing: Welded steel tubing shall be used wherever possible secured by cushioned clamps. All hydraulic hose shall meet or exceed SAE 100R2 Type AT requirements and shall be

15.0 Addendums

15.1 **Exceptions** to any parts of these specifications shall be listed on the attached "Exception Page" with reference to the applicable paragraph number from this document.

15.2 **Warranty** page must be completed in its entirety in order to have your bid evaluated.

15.3 **Other Information** page must be completed in its entirety in order to have your bid evaluated.

15.4 Pricing:

Price for 1 complete unit:

Chassis Make and Model _____ Packer Body Make and Model Heil DP-Python

Chassis with 9 Liter CNG \$ _____ Packer Body \$ 184,191 Total \$ _____

Chassis with 12 Liter CNG \$ _____ Packer Body \$ 184,191 Total \$ _____

Price for 2 or more complete units:

Chassis Make and Model _____ Packer Body Make and Model Heil DP-Python

Chassis with 9 Liter CNG \$ _____ Packer Body \$ 184,191 Total \$ _____

Chassis with 12 Liter CNG \$ _____ Packet Body \$ 184,191 Total \$ _____

EXCEPTION PAGE

Paragraph Number	Description of Exception
	No exceptions for the Heil DuraPack Python body.



DuraPack® Python®

High-Compaction Automated Side Loader Product Specifications

Performance Specifications

Lift Capacity	up to 800 lbs.
Lift Cycle Time*	8 seconds
Lift Reach	9 ft.
Compaction	Up to 900 lbs. per yd ³
Working RPM	800 (operate-in-gear-at-idle)

* Complete cycle time defined as pop, dump, return and release

All design, specifications, and components are subject to change at the manufacturer's sole discretion at any time without notice. Data published herein is for informational purposes only and should not be construed to warrant suitability of the unit for any particular purpose. Its performance may vary with the conditions encountered. The only warranty is our standard written Warranty Agreement for this product at the time of shipment.

Typical Chassis Configuration*

		22 yd ³	24 yd ³	26 yd ³	28 yd ³	33 yd ³
Min GVWR		52,000	52,000	56,000	58,000	62,000
Min GAWR	front	18,000	18,000	18,000	18,000	18,000
	rear	34,000	34,000	38,000	40,000	44,000
Usable CT	in	177 ± 3	189 ± 3	177 ± 3	189 ± 3	201 ± 3
C.O.E Wheelbase	in	299 ± 3	212 ± 3	200 ± 3	212 ± 3	224 ± 3
Min. Platform	dump	240	250	240	250	285
	eject	250	260	250	260	295

*Additional Requirements

- 425 ft.-lbs. recommended engine torque at pump shaft at idle
- Neutral signal, brake signal and R-stator signal dedicated for body builder use in cab
- 130 amp alternator - minimum

Cylinder Specifications

BODY CYLINDERS		Type	Bore x Stroke
Tailgate Raise	(2) Double acting	in.	3.0 x 35
		mm	76 x 889
Packer Blade	(2) Double acting	in.	5.5 x 6.3
		mm	140 x 1600
Packer/Ejector (eject model)	(2) Double acting	in.	(28) 5.5 x 141
			(28) 5.5 x 151
			(33) 5.5 x 181
		mm	(28) 140 x 3581
		(28) 140 x 3835	
		(33) 140 x 4597	
Tailgate Locking	(2) Double acting	in.	3.0 x 3.625
		mm	76 x 92
Body Hoist (dump model)	(2) Single acting	in.	4.5 x 55
	2 stage telescopic	mm	114 x 1397
LIFT CYLINDERS			
Reach	(1) Double acting	in.	3.1 x 18.0
		mm	80 x 406
Grab	(1) Double acting	in.	3.1 x 8.0
		mm	80 x 203
Lift	(1) Double acting	in.	3.1 x 18.0
		mm	80 x 406

Body Specifications

		22 yd ³	24 yd ³	26 yd ³	28 yd ³	33 yd ³
Body Capacity	yd ³	22	24	26	28	33
	m ³	16.8	18.3	19.3	21.4	25.2
Hopper Capacity	yd ³	5.2	5.2	5.2	5.2	5.2
	m ³	4.0	4.0	4.0	4.0	4.0
Overall Length	in	255	255	274	284	319
	mm	6,477	6,731	6,960	7,214	8,103
Overall Length (Tailgate Raised)	in	332	342	332	342	382
	mm	8,433	8,687	8,433	8,687	9,703
Overall Width	in	96	96	96	96	96
	mm	2,438	2,438	2,438	2,438	2,438
Overall Height Above Frame	body lowered	in	103	103	103	103
		mm	2,616	2,616	2,616	2,616
		in	180	190	190	190
	body raised	mm	4,826	4,826	4,826	4,826
		in	180	180	180	180
		mm	4,560	4,560	4,560	4,560
Gross Weight (Route Ready)	lbs.	16,000	16,200	16,300	16,700	18,000
	kg	7,260	7,350	7,400	7,580	8,170

Hydraulic Specifications

PUMP	Operate-In-Gear-At-Idle (standard)
Type	Tandem Vane
Maximum Operating Pressure	2,500 psi (17,238 kPa)
Working RPM	800 RPM approx.
Flow at Working RPM	28 GPM (106 LPM) approx.
OIL RESERVOIR	Chassis frame mounted
Gross Capacity	50 gallons (190 liters)
Filters	Return line 3 micron, 140 micron suction strainer

VALVES

Packing Control	Electric, push button operated
-----------------	--------------------------------

Tailgate	Air operated toggle
Tailgate Locking	
Body Raise	

Automated Lift Specifications

Lift load capacity	800 lbs.
Cycle time	8 seconds @ idle
Reach	9 ft.
Ground clearance	20 in. from ground to bottom of grabber arms (based on a 42 in. chassis rail height)
Weight*	1,850 lbs. approx.
Controls	Joystick, air over hydraulic with feathering ability

*Weight includes standard 8090 gallon grabbers

2030 Hamilton Place Blvd. Suite 200, Chattanooga, TN 37421
 888 FOR HEIL (866 367 4345) Fax 423 855 3478
 www.heil.com

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 FORM #SWS 000004 011513

NJPA Contract #060812-EGG



CONTACT YOUR LOCAL DEALER

Provided by:
 Central Indiana Truck Equipment
 2128 S Harding St. Indpls, IN 46221
 317.639.4207



DuraPack® Python®

High-Compaction Automated Side Loader



DuraPack® Python®

The fastest strike in the refuse jungle!

The DuraPack Python automated side loader combines two proven products in one high-performance package — the DuraPack body, which is famous for its toughness and productivity, and the patented Python automated arm, which is faster, smoother, and longerlasting than any other.

The DuraPack Python's arm has an 8-second lift cycle. That can save you up to 4 seconds per stop — and up 1 hour per day — delivering a fiscal savings of more than \$15,000 per truck every year! You don't have to wait for the hopper to catch up with a load, either, because the Python's follower panel enables continuous dumping. Twin packing cylinders deliver outstanding payloads, so you can collect more homes with fewer trips to the disposal site.

Able to lift up to 800 pounds, the Python's arm features cushioned cylinders for action that's as smooth as a snake, saving wear and tear on the lift arm and the chassis. The Python's unique lift geometry also prevents spillage and enables the arm to return carts with the lids closed every time.

Heil's Operate-in-Gear-at-Idle System comes standard on the DuraPack Python. It is designed to reduce wear on the lift assembly, chassis, engine, and transmission. Plus, it greatly reduces noise — a benefit to operators and customers alike.

We back all Heil units with a worldwide network of knowledgeable dealers and service centers, as well as the industry's first dedicated manufacturer-based training facility and mobile training centers, to help you keep your Python operating at its peak. Add to that Heil's century-old heritage of commitment to customer satisfaction, and you can feel certain that when you choose a DuraPack Python you are getting the most productive and durable automated side loader available.

Read on to learn more about the DuraPack Python's operator-friendly features, and then contact your Authorized Heil Dealer for assistance in choosing the Heil refuse collection vehicle that is right for you. To find the Dealer nearest you, visit www.heil.com.





Striking Features

The DuraPack® Python® was specifically engineered with features that will withstand the punishment of daily use.

- **Solid Foundation** — Our exclusive fully welded Interfaced subframe provides exceptional strength and durability, while resisting corrosion and salt damage. This means your DuraPack Python will enjoy a long lifespan.
- **Less Time In the Shop** — The Python features our Service Smart™ design, which simplifies routine maintenance and keeps you away from the shop and out servicing your customers — and making money.
- **Exceptional Reach** — The patented automated arm can reach up to 9 feet.
- **Bigger Bites** — A 5.2 cubic yard hopper means the Python can easily handle a variety of container sizes, from 30 to 96 gallons, with fewer trips to the disposal site.
- **On-board Diagnostic Tools** — Quickly and easily diagnose problems away from outside hazards and weather. On-board diagnostic tools make troubleshooting a breeze.
- **Tough Tailgate** — The DuraPack Python's tailgate is reinforced to prevent buckling and features a 60-inch seal to keep liquids inside the body where they belong.
- **Shur-Lock™ Tailgate Locks** — Heil's in-cab operated tailgate locking system not only keeps payloads secure but also enables the operator to unlock and open the tailgate to discharge the payload from the safety and comfort of the cab. Reflective indicator tags, visible from the cab's mirrors, confirm when the tailgate is sealed.

DuraMount™ Design

Heil's DuraMount Design, which is used to mount the lift to the chassis frame, reduces the potential for bolt fatigue and provides Service Smart™ bolt access for easy maintenance



Joystick Cab Controls

Reliable, ergonomic joystick controls deliver smoother performance and enhance usability. With the standard AutoLoad system, the operator can reach, grab, lift, dump, and return the arm to the stowed position using only the joystick and 2 buttons



Python® Grabber Gears

Made from specially formulated high-strength alloy steel, the Python's superior hardened grabber gears virtually eliminate gear wear. The gears are splined to the grabber shafts and can be cycled up to 1,000,000 times with no evidence of wear.



Python Automated Lift

The Python's 8-second lift cycle can save you up to 4 seconds per stop and up to 1 hour per day — which can add up to more than \$15,000 in savings per truck per year! The Python's 9-foot reach can slipper between cars and other obstacles, making even the most difficult pick-ups possible



CN_rG TAILGATE

HEIL

THE WHEELS ARE ALWAYS TURNING

HEIL

12" LOWER OVERALL
HEIGHT THAN TOP OF
BODY MOUNT

AVAILABLE ON
ASL AND AFL
OEM INSTALLATION

INTEGRATED
TAILGATE
DESIGN

FEATURES AND BENEFITS

Increased efficiency and productivity

CNRG™ CNG

1



The DPF CNrG™ allows the customer to select up to 90 DGE capacity without the use of frame mounted tanks.

BENEFIT

Allows for the entire CNG system to be installed in the tailgate, reducing costly split system designs.

WHY IT MATTERS TO YOU

- Can use commercial fill stations for a faster fill
- More time on route

LOWER OVERALL HEIGHT

2



CNrG removes the tanks off the top of the body for a lower profile vehicle.

BENEFIT

As compared to top-of-body CNG, the CNrG reduces the overall height of the unit 12 inches.

WHY IT MATTERS TO YOU

- Can get into height-restricted areas
- Eliminates top of body tank and cabinet damage





Removable valve cover plates allow quick and easy access.

BENEFIT

The valve access covers are attached with wingnuts which can be twisted off by the operator for decompression of the CNG canisters.

WHY IT MATTERS TO YOU

- Ease of access saves time
- No special tools needed

RETRO FIT KITS AVAILABLE



Heil offers tailgate assemblies and tank add-on kits if customers wish to remount a body onto a CNG chassis.

BENEFIT

Convert diesel fleets to CNG more economically. Convert top of body CNG units to CNrG and use your existing transverse CNG tanks.

WHY IT MATTERS TO YOU

- Cost-efficient way to convert diesel fleets to CNG
- Available 60-90 DGE ASL
- Available 60-105 DGE AFL



CNRG™ TAILGATE



Purchase your Heil unit through NJPA*

National Joint Powers Alliance (NJPA) has awarded Heil Co. a nationally bid contract for "Mobile Refuse Collection Vehicles with Related Equipment, Accessories, and Services".



Through the Heil Co. Contract (112014-THC), NJPA members can purchase any of Heil's line of mobile refuse collection vehicles, including automated carry cans from Curotto-Can, without having to create a RFP and send the project through a duplicate bid process. By using the existing nationally bid contract, Members can receive the products they need more quickly and cost effectively.

Best of all, membership in NJPA is free! Qualified agencies can join online via NJPA website at www.njpacoop.org.

To find out more about purchasing Heil mobile refuse collection vehicles via the Heil Co. NJPA contract, please contact your Heil local dealer.

Trust Heil Certified OEM and aftermarket parts



Heil Certified OEM parts are the most reliable replacement parts for Heil refuse collection vehicles. They're made following the exact specifications and production processes on the same assembly lines as the parts originally installed on the bodies. This means that they fit perfectly every time. Heil uses only the highest-quality materials for parts that last — minimizing costly downtime. For more information on parts, please call 800.528.5308.

2030 Hamilton Place Blvd., Suite 200, Chattanooga, TN 37421
866 FOR HEIL (866 387 4345) • Fax: 423 855 3478 • www.heil.com



Rely on experienced local support

When you buy from Heil, you gain the aftermarket support of the industry's strongest network of dealers in North America. We stand behind our products, so you get the support you need for the life of those products. Our dealers are also trained to help you find the best product for your particular route needs.

To find the dealer nearest you, visit our website at www.heil.com and click on "Dealer Locator."

Rent a Heil unit from Big Truck Rental

There are many reasons why renting your refuse trucks may be the perfect solution compared to purchasing vehicles for your fleet. Heil is pleased to partner with Big Truck Rental to offer short- and long-term rental options on our most popular refuse collection models, including front loaders, rear loaders, automated side loaders, and roll-off hoists.

Call your local Heil Dealer for more information or visit www.bigtruckrental.com.



Choose your DuPont® finish

Proven paint process

At Heil, we recognize that a quality paint finish requires a quality process and application. We have reviewed and refined our paint procedures to fully utilize the optimal characteristics of the paint and provide the finish and durability expected of Heil products. Heil uses a detailed process which includes:

1. Body surface prep
2. Joint sealer
3. Component powder-coating
4. Undercoating
5. DuPont paint

DuPont is the leader in commercial finishes, and Heil proudly uses DuPont primer and paint on all our refuse collection vehicles. Our priming and painting processes provide optimal adherence, durability, and corrosion resistance.

Count on the Lowest TCO

Refuse and recycling collection vehicles are our passion, and we apply tremendous resources to advance our product and service offerings to improve the profitability of your business and provide the lowest Total Cost of Ownership and the maximum return on your investment. You can be confident that choosing Heil equipment brings a long-term partnership with the industry leader.

CONTACT YOUR LOCAL DEALER

Provided by:
Central Indiana Truck Equipment
2128 S Harding St. Indpls, IN 46221
317.639.4207



**WORLDWIDE
EQUIPMENT**
we THE TRUCK PEOPLE



In Progress

Date 12/19/2017
Quote no. WE2017000308C570
Your ref

LFUCG DIV OF FLEET SERVICES
669 BYRD THURMAN DR
LEXINGTON 405109665
KY

Technical Specification

LR 64R G

22357 lb

CUSTOMER/VEHICLE INFO

Variant

Weight F/R

2019 MODEL YEAR
REGIONAL FLEET 25 OR MORE VEHICLES IN OWN FLEET OF ANY VEHICLE
BRAND
2019A Pricebook
LR 64R G DAYCAB
COMMERCIAL
ALL 50 STATES, NON-CARB ENGINE EMISSION (US17)
ENGLISH
CLASS C ON/OFF HIGHWAY
REFUSE FRONT LOADER TRUCK
NORMAL HIGHWAY, STARTING GRADES<12%
CONCRETE LOADING AND / OR UNLOADING SURFACE
REFUSE / LANDFILL OPERATION

9542 / 5080 lb

APPLICATION PACKAGES

Variant

Weight F/R

WITHOUT SPECIAL SALES PACKAGE
NO PILOT REQUESTED

ENGINE/TRANSMISSIONS

Variant

Weight F/R

ISL9-G 320 CUMMINS-NZ 320HP @ 2200 RPM (GOV), 1055 LB-FT, US'17
4500 RDS 6 SP-ALLISON RUGGED DUTY SERIES GEN 5
W/PROGNOSTICS
ALLISON VOC PKG# 183 RDS REFUSE WITH AUTO-NEUTRAL, RDCI

732 / 245 lb

EXHAUST/EMISSIONS

**THE AMERICAN TRUCK
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In Progress

Date 12/19/2017
 Quote no. WE2017000308C570
Weight F/R

Variant

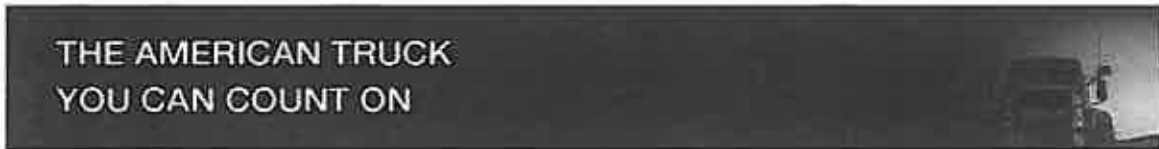
EXHAUST HEAT SHIELD FOR TURBO
 WITHOUT DPF, WITH VERTICAL RH SIDE BOC 3-WAY CATALYTIC
 CONVERTER (CNG/LNG)
 SINGLE VERTICAL RIGHT SIDE OUTBOARD MOUNTED STRAIGHT EXH
 STACK PLAIN END, SIDE OUTLET DIFFUSER
 W/O VERT EXH-BRIGHT FINISH
 W/O DPF REGENERATION CONTROL SWITCH
 EXHAUST AFTER-TREATMENT SYSTEM 3-WAY CATALYTIC CONVERTER
 (CNG/LNG)
 EMISSION OBD, DISPLAY ONLY, USA2018
 CARBON MONOXIDE DETECTION SYSTEM

ENGINE EQUIPMENT

Variant

Weight F/R

CUMMINS TWIN (30.4 CFM)	
15" SINGLE ELEMENT FACTORY OPT	
200 Amp Alternator	16 / 0 lb
(3) MACK 12V 800/2400 CCA THREADED STUD TYPE AGM LONG LIFE	25 / 0 lb
CHEVRON EXTENDED LIFE COOLANT W/O NITRITES(50/50 MIX DYED RED)	
TO -34DEG	
FURNISH WINTER FRONT GRILLE COVER	
WITH AUXILIARY COOLING	80 / -15 lb
CUMMINS 120V/1000W	
ENGINE BLOCK HEATER RECEPTACLE, BASIC LOCATION	
HORTON FAN, "ON-OFF" – replaces 1181010	
W/O ENGINE BRAKE	
CUMMINS CNG COALESCING FUEL FILTER, STANCHION MTD ON FRAME	-37 / -2 lb
GAS SUPPLY REGULATOR HEATER	
FUEL LEAK DETECTOR, GAS	
SILICONE W/SPRING LOADED CLAMPS FOR BOTH RAD & HTR HOSE	
PLASTIC COATED CABLE, MOUNTED FRONT OF EACH BATTERY BOX	3 / 0 lb
LENGTH TO ALLOW COVER TO SET ON GROUND	
SINGLE BOX (3) BATTERY MAX PERP. TO FRAME 11" FROM NTOF MOLDED	
PLASTIC	
FLAMING RIVER BIG SWITCH WIRED TO POSITIVE SIDE	
WITHOUT BATTERY SHOCK PADS	
JUMP START CONNECTION, KALAS TERMINALS BOC (N/A FOR CMM,	
CML,CXX; USE 5980023)	7 / 0 lb
INCREASE 10 MINUTE MAXIMUM TIME	





**WORLDWIDE
EQUIPMENT**
WE THE TRUCK PEOPLE



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CLUTCH/TRANS EQUIPMENT

Variant

Weight F/R

SPICER 1760 W/COATED SPLINES
FURNISH TC521 FOR USE W/ALLISON (HD, RDS) TRANSMISSION
TRANSYND SYNTHETIC LUBE FOR ALLISON TRANS
REMOTE MTD OIL COLLER FURNISH FOR ALLISON TRANSMISSION
WITHOUT DRIVESHAFT GUARD FOR CENTER BEARING
HALF-ROUND UNIVERSAL JOINT
PROPELLER SHAFT MAIN, UNIVERSAL JOINT HALF-ROUND TYPE
SPICER 1710 HD W/COATED SPLINES
WITHOUT TRANSMISSION OIL MONITORING, REMOTE FITTING
ENGINE SMART TORQUE FEATURE, DISABLED
TRANS. PROTECTION, ENGINE SHUT DOWN (HIGH TEMP.)

-2 / -2 lb

FRONT AXLE EQUIPMENT

Variant

Weight F/R

20000# (9100 KG) MACK FXL20 WIDE PIVOT CENTER STRAIGHT
SPINDLE/UNITIZED BEARINGS
MERITOR EX+ AIR DISC BRAKES 430MM (17") H-TYPE
BRAKE LINING MATERIAL, FRONT, TMD T7070 (use on disc)
W/ ROTORS FOR DISC BRAKES
OMIT
BASIC HUB UNITIZED IRON, FRONT
DOUBLE ACTING TYPE
AUTOMATIC FOR AIR DISC BRAKES
MACK MULTILEAF 20000# (9100 KG) GROUND LOAD RATING
STATIC LOAD CUSHIONS
M100P PLUS RIGHT SIDE ASSIST CYLINDER
FRONT BRAKE CHAMBER MANUFACTURER, WABCO
FRONT BRAKE CHAMBER 24SQ INCHES (SERVICE)

25 / 0 lb

20 / 0 lb

120 / 0 lb

142 / 0 lb

REAR AXLE EQUIPMENT

Variant

Weight F/R

W/O WIDE TRACK AXLE OPTION
MACK TMD T7070 (use on disc)
AUTOMATIC SLACK ADJUSTERS FOR REAR AIR DISC BRAKES
46000# (20900kg) MACK S462R CAST DUCTILE HOUSING
MACK mRIDE 46 PARABOLIC 3-LEAF, 46000#
W/O AIR SUSP HEIGHT CONTROL
CRDP150/151

0 / 1614 lb

0 / 1674 lb

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In Progress

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5.66 RATIO
AIR DISC BRAKES, 430MM (17") H-TYPE
W/ROTORS FOR DISC BRAKES
OMIT
W/O LUBE PUMP AND FILTER
CONMET IRON HUBS W/PRESET BEARINGS & SEALS
PREMIUM
POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT 0 / 40 lb
SHOCK ABSORBERS - OUTBOARD MOUNTED ON FORWARD AND REAR
AXLES EACH SIDE 0 / 20 lb
FACTORY OPTION LUBE - REAR AXLE
W/O SHOCK INSULATORS
WABCO BRAKE CHAMBERS VENDOR
REAR SPRING BRAKE CHAMBERS 24/24 TYPE
54" AXLE SPACING (BOGIE WHEELBASE) 0 / -2 lb
OMIT DIFFERENTIAL LOCKS - 3 AXLES
WITHOUT TRANSVERSE TORQUE RODS 0 / -66 lb
W/O OPTION
STANDARD REAR AXLE SPINDLE NUTS
4S/4M SYSTEM REAR WHEEL END SENSORS
W/O BRAKE DIAPHRAGM OPTION
BENDIX WITHOUT TRACTION CONTROL

PUSHER/TAG AXLE EQUIPMENT

<u>Variant</u>	<u>Weight F/R</u>
WITHOUT AUX AXLE WHEELS	
WITHOUT AUXILIARY AXLE TIRES & WHEELS	

FRAME EQUIPMENT/FUEL TANKS

<u>Variant</u>	<u>Weight F/R</u>
STEEL-3/8" X 13 3/8" X 3 1/4" (CLASS 8)	
197"	208 / 208 lb
80"	-37 / 206 lb
FULL INSIDE REINFORCEMENT, STEEL 1/4" 6.35	
12" FRONT FENDER MOUNTED	
FLUSH-PAINTED STEEL	
STEEL 1/2" PL BOLTED BOC & INTERMDT 1/8" BELOW TOP OF RAIL	
1/2" PLATE (ONE) BACK TO BACK	
WITHOUT CROSSMEMBER, BOGIE	
FURNISH STANDARD STEEL CLOSING REAR CROSSMEMBER	
W/O FRAME RAIL CLEARANCE	



In Progress

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128 / -8 lb

SKID PLATE UNDER BUMPER AND RADIATOR
CENTER TOW CAPABILITY BASED ON BUMPER SELECTION
WITHOUT TOWING DEVICES ,REAR
W/O FRONT FRAME EXTENSION
HIGH PRESSURE HOSES
W/O RELOCATED FUEL TANK(S)

AIR/BRAKE

Variant

Weight F/R

W/O INCREASED AIR RESERVOIR CAPACITY
W/O BODYBUILDER AIR LINES
BENDIX AD-IPEP, W/ TURBO CUT OFF VALVE & COALESCING OIL FILTER
W/O RELOCATION OPTION
ALUMINUM, STANDARD FINISH
AUTO DRAIN VALVE, HEATED, ON SUPPLY TANK, W/LANYARDS ON ALL
OTHER TANKS
W/O WORK BRAKE
SINGLE VALVE SYSTEM
WITHOUT CUSTOMER SPECIFIED CHASSIS PACKAGING

-24 / 0 lb

3 / 0 lb

ELECTRICAL

Variant

Weight F/R

WITH PARKING BRAKE LIGHTING
ENGINE RUNNING ACTIVATED
PRECO, MODEL 1059
COMPUTER AND 2-WAY RADIO DEDICATED CIRCUIT
ALL CIRCUITS FUSE/BREAKER PROTECTED
HEADLAMP BULB TYPE, HALOGEN
OMIT TAIL LIGHTS
W/O PWR TERMINAL-STROBE LIGHT OPTION
WITHOUT HEADLAMP PROTECTION
FRONT AND SIDE DIRECTION IND & MARKER, LED TYPE

3 / 0 lb

TRAILER CONNECTIONS

Variant

Weight F/R

FURNISH ON OR NEAR BATTERY BOX (LIGHT ON IN RUN POSITION)

PTO/SPECIALTY EQUIPMENT

Variant

Weight F/R

WITHOUT ADDITIONAL ELECTRICAL SCHEMATIC
WITHOUT HYDRAULIC PUMP

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WITHOUT PROP SHAFT FROM MAIN TO AUX TRANSMISSION
CERTIFIED WEIGHT
W/O RUST PREVENTATIVE OPTION
FURNISH DRILLINGS ONLY TIE DOWN BRKTS 173"WBNO FRAME
MODIFICATIONS PROVIDED
EL PREP KIT, REFUSE (NO PASS THRU, 9 & 29 PIN BOC), CTRL LINK2
1350 SERIES FLANGE (DOES NOT INCLUDE FRONT FRAME EXTENSION)
WITHOUT PTO ENGINE REAR
W/O REAR MTD PTO
W/O SPECIAL DECALS

18 / -2 lb

CAB (A THRU G)

Variant

Weight F/R

R.H. & L.H. SIT DOWN DRIVING POSITION, EXTENDED CAB VERSION
FLOOR MAT, RUBBER
GRADUATED LOCK UP (AIR CLEANER INTAKE MOUNTED)
LOCATED IN STD LOCATION
W/O REAR VIEW CAMERA PREP KIT
OMIT FUEL GAUGE
FURNISH STANDARD (2) STEP CAB ACCESS OPTION
U.S. UNITS (PREDOMINANT)
TRANSMISSION GAUGE AND TRANS. OIL HIGH TEMPERATURE LIGHT
WITHOUT GEAR SHIFT INHIBITOR
BLACK, EXTENDED CAB VERSION
AM/FM PREMIUM STEREO, CD-PLAYER, MP3, WEATHERBAND,
HANDSFREE INTERFACE, BLUETOOTH
RADIO ANTENNA, CH STYLE COWL MOUNTED ON LH SIDE
W/O AUTO RADIO SHUTOFF OPTION
W/O ROOF MTD LAMP OPTION
WITHOUT AUXILIARY GAUGES
W/O FIRE EXTINGUISHER OPTION
W/O CAB FAN, AUX AIR CIRC OPTION
W/O CAB POWER OUTLET
EMBLEMS OPTION, COMPLETE
STD HEATER
MACK INTEGRAL W/HEATER (COMBO HEATER/AIR CONDITONER UNIT)
W/R134a REFRIGERANT
LH & RH FRONT HINGED DOORS W/POWER WNDWS BOTH SIDES
W/O RH DOOR PEEP WINDOW AND W/O LH DOOR VENT
W/O CAB CORNER PROTECTION, FRONT

93 / 0 lb

CAB (H THRU R)

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**WORLDWIDE
EQUIPMENT**
we THE TRUCK PEOPLE



In Progress

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Weight F/R

Variant

- (1) TWIN-UNDER CAB TRUMPET W/DUAL LANYARD CONTROL
- DUAL TONE
- LED TYPE ROOF MARKER
- CHASSIS KEYED AT RANDOM - 2 KEYS
- LH & RH ELECTRIC HEATED & OPERATED, W/O MEMORY
- BLACK SQUARE HEATED CONVEX MIRROR - (except on bi-fold doors)
- W/O OPTIONAL VISIBILITY MIRROR
- W/O PERSONALIZED OPTION
- W/O ROOF VENT VENTILATION
- W/O OPTIONAL HOOD INSULATION
- W/O REAR STORAGE POUCH
- WITHOUT OVERHEAD SWITCH PANEL

CAB (S THRU Z)

Variant

Weight F/R

- WITHOUT EXTERIOR SUNVISOR
- W/O INDEPENDENT ENGINE HOURMETER
- SEARS SEATING C-2 W/FABRIFORM CUSHIONS (MID BACK) AIR SUSPENSION
- OMIT RIDER SEAT
- FABRIFORM CLOTH, BLACK, DRIVER SEATS
- LAP & SHOULDER BELTS FOR (2) DRIVER SEATS, TO BE ORANGE IN COLOR
- STEERING COLUMN, ADJUSTABLE TILT TELESCOPE
- TWO SPOKE URETHANE GRIP CHARCOAL SPOKES
- SELF CANCELLING TURN SIGNALS
- FURNISH WINDSHIELD PROTECTOR
- W/O WINDSHIELD WASHER OPTION
- BOTH SIDES

16 / 0 lb

WHEELS & TIRES

Variant

Weight F/R

- ADVANCED LOW ROLLING RESISTANCE, BEST FUEL ECONOMY
- LOW ROLLING RESISTANCE, BETTER FUEL ECONOMY
- EIGHT REAR AXLE TIRES & WHEELS
- TWO FRONT TIRES & WHEELS
- DRIVE WHEEL STUDS LONGER LENGTH
- 425/65R22.5 L MICHELIN XFE (STEER ONLY)
- 22.5x12.25 ACCURIDE STEEL DISC 10-HOLE HUB PILOTED (11 1/4"/286mm BC) 4.63" OFFSET

397 / 0 lb

239 / 0 lb

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In Progress

Date 12/19/2017
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W/O FRONT DISC WHEEL BRIGHT FINISH
W/O FRONT WHEEL NUT OPTION
PROVIDE STANDARD VALVE STEMS AND CAPS
TIRE SPEED LIMIT BASIC

Goodyear 12R22.5 G282H

0 / 971 lb

22.5x8.25 ACCURIDE STEEL DISC 10-HOLE HUB PILOTED, TWO HAND
HOLES - HEAVY DUTY

0 / 635 lb

W/O REAR DISC WHEEL BRIGHT FINISH

W/O SPARE WHEEL W/TIRE

WHEEL NUT BASIC FINISH, REAR

COMMUNICATION SYSTEMS

Variant

Weight F/R

REMOTE DIAGNOSTIC SERVICES, DISABLED
WITHOUT TELEMATIC GATEWAY AND WITHOUT REMOTE DIAG. SERVICES
WITHOUT REMOTE SOFTWARE UPGRADE

VEHICLE ELECTRONICS

Variant

Weight F/R

WITHOUT CUSTOMER UNIQUE VEHICLE PARAMETERS
MIN CRUISE, 32 KPH (20 MPH)
WITHOUT 1ST RATIO FOR REDUCED HIGH IDLE
WITHOUT COOLANT LEVEL ENGINE SHUTDOWN
WITH CRUISE CONTROL
MAX CRUISE, 105 KPH (65 MPH)
DETECTION OF SPEED SENSOR TAMPERING, ENABLE
WITHOUT DRL OVERRIDE SPEED THRESHOLD
WITHOUT DAYTIME RUNNING LAMP OVERRIDE SW
WITHOUT ELECTRONIC HAND THROTTLE, JUMP TO MIN. ENGINE SPEED
ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 2100 RPM
ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM
WITHOUT ELECTRONIC HAND THROTTLE, SINGLE SPEED SETTING
ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KMH (10 MPH)
WITHOUT ELECTRONIC HAND THROTTLE, SINGLE SPEED CONTROL
ELECTRONIC HAND THROTTLE, SPEED RAMP RATE, 100 RPM/SEC
WITHOUT ENG FAN CONTROL, A/C ON, TIME SETTING
WITHOUT ENG FAN CONTROL, STATIONARY VEHICLE
ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED
WITHOUT ENG FAN CONTROL, MOVING VEHICLE, TIME SETTING
WITHOUT ENGINE IDLE ADJUST
IDLE CONTROL, 700 RPM

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In Progress

Date 12/19/2017
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ENGINE IDLE COOLDOWN, DISABLE
ENGINE IDLE DELAY TO START LOG, 2 MIN
IDLE SHUTDOWN TIME 10 MIN.
ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM
ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM
ENGINE PROTECTION (SHUTDOWN)
WITHOUT FAN ENGAGEMENT DUE TO PTO
WITHOUT ENGINE HIGH IDLE SPEED IN UPPER GEARS
OIL PRESSURE, ENGINE SHUTDOWN
COOLANT TEMP, ENGINE SHUTDOWN
IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED
WITHOUT ENGINE IDLE SHUTDOWN TIME OVERRIDE IF EHT ACTIVE
ENGINE IDLE SHUTDOWN TIME OVERRIDDEN IF PTO ACTIVE
38C DEG (100F), WARM UP TEMP DELAY
5 MIN. WARM UP TIME DELAY
30 SEC IDLE S/D WARNING TIME
ENGINE IDLE SHUTDOWN, DISABLE
ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT
WITHOUT LAST RATIO FOR FULL HIGH IDLE
ACTIVATE ALERT AT 90% OF THE TIME/DISTANCE SETTING
DISABLE POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT
105 KM/H PEDAL ROAD SPEED LIMITER (65MPH)
PERIODIC TRIP LOG, DAY 1 OF THE MONTH
WITHOUT PERIODIC TRIP LOG, DAY OF WEEK
WITHOUT PERIODIC TRIP LOG, HOUR
PTO 1ST, MAX ENGINE SPEED, 2100 RPM
1ST PTO, MAX ROAD SPEED, 10 MPH (16 KPH)
PTO 1ST, MINIMUM ENGINE SPEED, 600 RPM
PTO 1ST, ROAD SPEED LIMIT, 97 KMH (60 MPH)
WITHOUT PTO 1ST, SINGLE SPEED CONTROL
PTO 1ST, SPEED RAMP RATE 100 RPM/SEC
PTO 1ST, AUTO SET SINGLE SPEED, DISABLE
WITHOUT PTO 1ST, JUMP TO MINIMUM ENGINE SPEED
PTO 2ND, MAX ENGINE SPEED, 2100 RPM
2ND PTO, MAX ROAD SPEED, 10 MPH (16 KPH)
PTO 2ND, MINIMUM ENGINE SPEED, 600 RPM
PTO 2ND, ROAD SPEED LIMIT, 97 KMH (60 MPH)
WITHOUT 2ND PTO, SINGLE SPEED CONTROL
PTO2 SINGLE SPEED SETTING, 1000 RPM
PTO 2ND, SPEED RAMP RATE 100 RPM/SEC

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PTO 2ND, AUTO SET SINGLE SPEED, DISABLE
WITHOUT PTO 2ND, JUMP TO MINIMUM ENGINE SPEED
PTO 1ST, SINGLE SPEED SETTING, 1000 RPM
105 KM/HOUR ROAD SPEED LIMITER(65 MILES/HOUR)
WITH SERVICE ALERT
W/O PTO1 FOR SPLITTER RANGE
W/O PTO2 SPLITTER RANGE
SERVICE INTERVALS, VOCATIONAL APPLICATION
VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH)
VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121KMH)
WITHOUT MAXIMUM ENGINE SPEED AT 0 MPH

PAINT

Variant

Weight F/R

WITHOUT MIRROR COVER PAINT
SINGLE COLOR
Dupont Inrom Elite # 44426
NO SECOND TRUCK COLOR PROVIDED; NO COLOR
NO THIRD TRUCK COLOR PROVIDED; NO COLOR
SOLID PAINT
PAINT - CAB, URETHANE CLEAR COAT
SAME AS FIRST COLOR - CAB
MACK BLACK (URETHANE)
CHASSIS PAINT PROCESS, STANDARD COLOR (MACK BLACK) 6ABZ1X
PAINT BUMPER SAME COLOR AS CHASSIS RUNNING GEAR
W/O OPTIONAL FUEL TANK PAINT
FRONT WHEEL POWDER COAT, BLACK
DRIVE WHEEL POWDER COAT, BLACK
WITHOUT PAINT
WITHOUT PAINT
SAME AS CHASSIS RUNNING GEAR
SAME AS CHASSIS RUNNING GEAR

CALCULATED CODES - KAX

Variant

Weight F/R

NO, THE ORDER MUST NOT BE CALCULATED (Requires CA Quote)

BASE WARRANTY & PURCHASED COVERAGES

Variant

Weight F/R

US - WARRANTY REGISTRATION LOCATION

THE AMERICAN TRUCK
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In Progress

Date 12/19/2017
Quote no WE2017000308C570

ALLISON TRANSMISSIONS (Contact Allison Transmission for standard warranty and extended coverage data

NO GUARDDOG CONNECT (ASIST & MACK ONECALL)

WITHOUT OMNITRACS FOR MACK TRUCKS

W/O TELOGIS PACKAGE

W/O CUSTOM/BUNDLED PURCHASE COVERAGE OPTION

HEAVY DUTY WARRANTY CLASSIFICATION

STANDARD MACK HEAVY DUTY COVERAGE 36 MONTHS / 350,000 (563,000 KM)

AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12 MONTHS UNLIMITED MILEAGE

STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000 MILES

CUMMINS ENGINES (Contact Cummins for Standard Warranty and Extended Coverage Details)

HEAVY DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (161,000 KM)

CUMMINS ENGINES 8.9L (Contact Cummins for Standard Warranty and Extended Coverage Details)

CUMMINS ENGINES (Contact Cummins for Standard Warranty and Extended Coverage Details)

Customer Adaptation

L.H. DRIVE RH SIT DOWN, EXTENDED CAB VERSION
3-12V MACK M/F 31 800 CCA THREADED STUD
TYPE AGM LONG LIFE
3 BATTERIES, 800 CCA
EMERGENCY START STUDS, B.O.C.
EXHAUST HEAT SHIELD FOR TURBO
MACK MULTILEAF 23000# (10400kg) GROUND LOAD
RATING
MERITOR EX+ AIR DISC BRAKES 430MM (17") H-TYPE

Internal Workshop

ISL G Warranty Meeting Spec 5 year 150 miles
Extended Warranty Allison 5 year

Local Costs

19A Freight (29)

**THE AMERICAN TRUCK
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Jim Dotson

From: michelle segress
Sent: Monday, September 18, 2017 11:18 AM
To: Jim Dotson
Subject: RE:

1,001.00 for 5 years

MICHELLE SEGRESS
WORLDWIDE EQUIPMENT
WARRANTY DEPT.
LEXINGTON, DAYTON, ABINGDON
859-281-5152 EXT 70837



From: Jim Dotson [mailto:jim.dotson@thetruckpeople.com]
Sent: Monday, September 18, 2017 10:49 AM
To: michelle segress <michelle.segress@thetruckpeople.com>
Subject:

Can you give me a extended warranty pricing on Allison transmission taking it from 3 year to 5 year

4500 RDS 6 speed(refuse)

Thank You

Jim Dotson | General Manager | Worldwide Equipment Lexington Division
945 Nandino Blvd Lexington KY 40511
800-879-3039 Office
859-797-1434 Mobile
jim.dotson@thetruckpeople.com
www.thetruckpeople.com

L9 engine, 5 year/150k miles

Protection Plan 1 - \$2600

Aftertreatment - \$600

That is for diesel, do you need
CNG?

Cng

Delivered

ISL G: 5 year/150k miles

Protection Plan 1 - \$3000

Thank u



Q W E R T Y U I O P

A S D F G H J K L

STANDARD TRUCK WARRANTY CERTIFICATE



Mack Trucks, warrants certain individual components of the new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods as specified, provided all Mack Trucks, maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions are followed. All warranty periods are calculated from date in service. All coverage is 100% for parts and labor except as noted.

LIMITATIONS AND EXCLUSIONS TO THIS WARRANTY APPEAR ON THE REVERSE SIDE OF THIS CERTIFICATE. THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

This warranty applies to Model Year 2016 and newer CHU, CXU, GU, LEU, LR, MRU and TD models manufactured by Mack Trucks, operated in the United States and Canada. Specific coverage is based on the application and weight class as described in the following chart:

	Standard NORMAL DUTY	Standard HEAVY DUTY	Standard SEVERE DUTY
Typical Vocations	Line / Long Haul, Short Haul, or Pickup & Delivery	Heavy Line Haul, Construction, Refuse, Fire or Rescue Service	Heavy Construction, Heavy Refuse, Off- Road, Heavy Haul, Mining, Logging, or Oil Field
Weight Class Qualifications	Vehicle must have GVWR ≤ 63,000 lbs. (≤ 28 metric tons) or GCWR ≤ 110,000 lbs. (≤ 50 mt.)	Vehicle must have GVWR ≤ 80,000 lbs. (≤ 36 mt.) or GCWR ≤ 143,000 lbs. (≤ 65 mt.)	Vehicle must have GAWR > 46,000 lbs. (> 21 mt.) or GVWR > 80,000 lbs. (> 36 mt.) or GCWR > 143,000 lbs. (> 65 mt.)
Basic Coverage	12 months or 100,000 miles (160 934 km)	12 months or 100,000 miles (160 934 km)	12 months or 100,000 miles (160 934 km)
Chassis Towing	Towing/Road Service coverage is limited to 90 days or 5,000 miles (8047 km), whichever occurs first. See paragraph 22.		Not Applicable
Air Conditioning	Air conditioning (sealed system only) is covered for 12 months with no mileage limitation.		
Engine / Emission	Not covered under this warranty certificate. See respective engine manufacturer's warranty certificate. See paragraph 14.		
Transmission, Driveline, Rear Axle, Front Non-Drive Steer Axle	36 months or 350,000 miles (563 270 km) Covered Components are as follows: • Manual Transmission—Transmission assembly • Driveline—Bearings, hangers & shafts • Rear Axle—Differential carrier assembly & axle housing • Front Non-Drive Steer Axle—Axle beam, steering knuckle, & tie rod Allison Automatic Transmissions are not covered under this warranty certificate. See paragraph 14.		12 months or 100,000 miles (160 934 km)
Mack Carrier & Axle Housing	60 months or 500,000 miles (804 672 km)	36 months or 300,000 miles (482 803 km)	12 months or 100,000 miles (160 934 km)
Mack T300 Transmission	60 months or 750,000 miles (1 207 008 km)	36 months or 400,000 miles (643 738 km)	12 months or 100,000 miles (160 934 km)
mDRIVE™ Transmission	Engine Torque ≤ 1760 ft/lb: 60 months or 750,000 miles (1 207 008 km) * Engine Torque > 1760 ft/lb: 36 months or 500,000 miles (804 672 km)	mDRIVE™: 36 months or 250,000 miles (402 336 km); mDRIVE™ HD: 36 months with no mileage limitation	12 months or 100,000 miles (160 934 km) mDRIVE™ HD: 24 months with no mileage limitation
mDRIVE™ Clutch	36 months or 300,000 miles (482 803 km)	36 months or 250,000 miles (402 336 km) mDRIVE™ and mDRIVE™ HD	mDRIVE™: 12 months or 100,000 miles (160 934 km) mDRIVE™ HD: 24 months or 250,000 miles (402 336 km)
mDRIVE™ & T300 Towing	Towing and Roadside Assistance on warrantable transmission failures are covered for 24 months or 250,000 miles (402 336 km) whichever occurs first. See paragraph 22.		Not Applicable
Trunnion Bracket	36 months or 300,000 miles (482 803 km) Limited to Trunnion Bracket & Spindle, Suspension Trunnion (Except Bushings)		12 months or 100,000 miles (160 934 km) (same restrictions as Normal & Heavy)
Cab Structure	60 months or 500,000 miles (804 672 km)	24 months or 200,000 miles (321 869 km)	12 months or 100,000 miles (160 934 km)
Internal Cab Corrosion	60 months or 500,000 miles (804 672 km)	60 months or 500,000 miles (804 672 km)	60 months or 500,000 miles (804 672 km)
	Covered only where metal is perforated from the inside to the outside. See paragraph 13 on the reverse side.		
Frame Rail / Crossmembers	60 months or 500,000 miles (804 672 km) CHU/CXU Models Only: 72 months or 750,000 miles (1 207 008 km)	36 months or 300,000 miles (482 803 km) GU Model only: 60 months or 500,000 miles (804 672 km)	12 months or 100,000 miles (160 934 km)
Noise Emission	LIFE OF VEHICLE: Mack Trucks, warrants to the first purchaser of this vehicle for purposes other than resale, and to each subsequent purchaser, that this vehicle was designed, built and equipped to conform, at the time of sale to such first purchaser, with all applicable U.S. EPA noise control regulations. This warranty is not limited to any vehicle particular part, component, or system of the vehicle. Defects in the design, assembly, or any part, component or system of the vehicle which at the time of sale to such first purchaser, caused noise emission levels to exceed Federal standards are covered by this warranty for the life of the vehicle. EXCLUSIONS: Failures which arise as a result of tampering rather than from defects in the design, assembly, or any part, components, or system of the vehicle are not covered by this warranty.		

* Includes Engine PID's 1001779, 1001766, 1001784

Mack Trucks, reserves the right to make any changes in design or to make additions to or upon its products without incurring any obligations to install the same on vehicles previously built.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

LIMITATIONS – Mack Trucks, obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by it to be defective. In the case of acknowledged defective assemblies, exchange with factory rebuilt units may occur. The defective parts or assemblies replaced shall become the property of Mack Trucks. Warranty repairs performed by an authorized Mack dealer in accordance with the terms of the warranty set forth herein are free of charge. Warranty repairs do not constitute an extension of the original warranty period for the vehicle or any part thereof. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

NO PAYMENT OR OTHER COMPENSATION WILL BE MADE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL EXPENSES OR DAMAGES OF ANY KIND.

EXCLUSIONS:

1. **REPAIR:** Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack dealer upon discovery and the truck must be made available, in a timely fashion during the warranty period, for repair. Failures resulting from the user's unreasonable delay in making the truck available, after being notified of a potential product problem, are not covered.
2. **DAMAGES:** Damages due to accidents, misuse, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, and improper or insufficient maintenance services are not covered. Damages due to failure to follow Mack Trucks, recommended service procedures are considered damages due to improper maintenance services.
3. **APPLICATION:** The selling dealer is responsible for the correct application and/or specification for a vehicle sold to a customer. Vehicle application problems, including but not limited to, replacement of incorrect axle or transmission gear ratios, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle for a purpose of which it was not intended are not covered.
4. **ENVIRONMENTAL DAMAGE:** Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been effected by exposure to the elements or chemical influence including, but not limited to road salts/chemicals, industrial fall-out or the use of improper cleaners, polishes, and or waxes are not covered.
5. **GLASS:** Glass breakage and scratches are not covered unless positive physical proof of manufacturing responsibility is established.
6. **SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and all greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
7. **ALTERATIONS:** Any vehicle or vehicle system repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks, sole judgment, its stability, durability, or reliability, is not covered.
8. **OPTIONAL EQUIPMENT:** Any part of the truck that fails, malfunctions or does not perform as a result of improper conversion or installation of special bodies or equipment by other manufacturers or suppliers is not covered.
9. **MAINTENANCE AND PARTS CONSUMED ("Consumables"):** Normal maintenance services including, but not limited to, replacement of oil filters, adjustments of the engine injection pump / transmission / brakes / linkages, as well as diagnosis, test time and all other adjustments, are not covered. Parts which are normally consumed or worn out during the vehicle's usual service life and customarily replaced during usual maintenance service are not covered or have limited coverage. These parts include, but are not limited to, the following:
NOT COVERED - Brake linings, clutch brake, clutch linings, mud flaps and brackets.
COVERED FOR 30 DAYS - Fluorescent lights or ballast, light bulbs, fuses, wiper blades and all filters (oil, fuel, air, etc.).
COVERED FOR 90 DAYS - Loose fasteners, leaking fittings, or hose clamps.
COVERED FOR 12 MONTHS, OR 100,000 MILES (160 934 KM), WHICHEVER OCCURS FIRST - Cab suspension on models used in heavy duty applications, batteries, frame paint, sealed light assemblies, exhaust flex pipe, hose clamps, all rubber/nylon bushings or mounts, flexible hoses, all belts, shock absorbers (leakage only), wheel seals, and all grease lubricated points (including non-serviceable tie rods ends, king-pins, u-joints, spring pins, drag links, and the like.)
10. **ALIGNMENT:** Alignment of axle(s) and balancing of tires, including changing of axle camber, caster, toe and thrust angle settings are not covered
11. **NON-GENUINE PARTS:** Any vehicle which has been repaired by use of parts and accessories, as well as major assemblies and exchange units, which do not meet factory standards and which cause a vehicle component or system to fail are not covered.
12. **TIRES:** Tires are covered by separate warranties given by their respective manufacturers.
13. **CAB STRUCTURE AND CORROSION:** Cab structural defects or cab corrosion that occurs in areas of the cab that have been previously damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
14. **VENDOR ENGINES AND AUTOMATIC TRANSMISSIONS:** The vendor engines and Allison automatic transmissions used in Mack trucks are warranted by their respective manufacturers and not by Mack Trucks, Inc. Refer to the engine and transmission manufacturers' warranty statements.
15. **ODOMETER READING:** Any vehicle in which the odometer has been disconnected or the mileage reading has been altered and/or the actual mileage cannot be readily determined is not covered.
16. **ACCESS TO INFORMATION:** The user must allow Mack Trucks, full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
17. **PREMIUM LABOR:** Labor for overtime and/or shift differential is not covered.
18. **EXCESSIVE LABOR:** Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
19. **MISC. EXPENSE:** Meals, lodging, electronic messaging equipment, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, or driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
20. **ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, are not covered. During a warrantable repair, additional time to remove any customer installed bodies, components, and accessories will not be covered under warranty. Mack Trucks, factory manufacturing records will be determinative as to factory installed components.
21. **APPLICATION CHANGE OR CHANGE OF OWNERSHIP:** If at any time during the term of the original warranty there is a change in the application of the vehicle or a change in ownership, the owner must notify Mack Trucks, Post Office Box 26259, Greensboro, NC 27409 in writing and within 30 days of date of the change. Failure to provide such timely notice may result in the warranty becoming null and void. If the change in ownership is accepted by Mack Trucks, and/or the change in application does not affect coverage, Mack Trucks, will transfer any remaining applicable portion of the warranty to the new owner or for the new application.
22. **TOWING:** Towing and/or road service charges due to a failure of a non-covered component or from the result of an accident are not covered. Towing coverage is limited to a single tow per incident for covered vehicles that are accessible from a MAJOR paved highway and towed to the nearest authorized Mack Trucks service center when a vehicle is inoperable or continued operation would result in additional damage due to a component listed in the component coverage list. When towing is covered on this certificate, charges in excess of \$1,000.00 will be rejected unless Mack OneCall™ service is contacted.

MACK®

Mack Trucks, Inc.
Post Office Box 26259
7825 National Service Road
Greensboro, North Carolina 27409