



LUCAS COUNTY OHIO

INVITATION TO BID

PURCHASE OF 2 RECYCLE TRUCKS

SOLID WASTE MANAGEMENT DISTRICT
COUNTY AGENCY

14-018P
BID NUMBER

DECEMBER 9, 2014 AT 2:00 PM (local time)

DATE AND TIME OF BID OPENING

BIDDER MUST COMPLETE THE FOLLOWING:

NAME OF COMPANY OFFICIAL _____

OFFICIAL'S SIGNATURE _____

NAME OF COMPANY _____

ADDRESS _____

CITY, STATE & ZIP _____

TELEPHONE NUMBER _____

FAX NUMBER _____

E-MAIL ADDRESS _____

The Lucas County Board of Commissioners is seeking bids for the **Purchase of 2 Recycle Trucks with the possible trade-in of 1 2006 Mack MR688S Recycle Truck.**

Any bidder submitting a bid must submit a completed bid following the procedure outlined in this Invitation to Bid (ITB) no later than **December 9, 2014 at 2:00 PM (local time).** All of the sections applicable in the Invitation to Bid shall be read so as to give meaning to all such provisions. However, when there is a conflict in the interpretation between a specification in the Invitation to Bid and sections, the specification in the Invitation to Bid shall take precedence.

1.0 Legal Framework

This Invitation to Bid (ITB) is issued under the provisions of the Ohio Revised Code (ORC) Sections 307.86 to 307.92. All bids submitted in response to this ITB shall comply with Ohio law. The laws of the State of Ohio will govern any disputes arising under this ITB and subsequent contract.

2.0 Bid Opening

The bid opening is scheduled for **December 9, 2014 at 2:00 PM (local time).** All sealed bids received after this time and date, for any reason, will be rejected. The opening of the sealed bids will take place at the Lucas County Support Services, Purchasing Division, One Government Center, Suite 480, Fourth Floor, Toledo, Ohio 43604-2247

3.0 Bid's Bid Bond Requirement

A bid bond in the amount of **Five Per Cent (5%) of the Bid Total** must be included with each bid or be disqualified. The bond is to be in the form of a surety bond, certified check, cashier's check, or money order from a solvent bank, or savings and loan association with the Lucas County Board of Commissioners identified as the obligee. Bonds will be returned to unsuccessful bidders within thirty days of contract award. Bonds will be returned to the successful bidder within 30 days of receipt of goods.

4.0 Pre-Bid Conference

<input type="checkbox"/>	Applicable if box is checked
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No Pre-Bid conference is scheduled for this ITB.

5.0 Prevailing Wage

<input type="checkbox"/>	Applicable if box is checked
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Prevailing Wage does not pertain to this ITB.

6.0 Administrative Requirements

By submitting a bid, the bidder will be held accountable to know the specifications and conditions under which this contract will be accomplished. This includes the contents of all proposal documents, regulations, and applicable laws.

Each bid will be submitted in a clearly marked sealed container or envelope, with the project title, Bid #, date and time of bid opening marked clearly on the outside of the package. If a selected bidder chooses not to submit a bid, the bid should be returned and marked "No Bid" for the project title, Bid #, date and time of bid opening on the envelope or package. All bids must be sent to:

**Lucas County Support Services, Purchasing Division
One Government Center, Suite 480
Toledo OH 43604-2247**

The entire set of completed ITB documents must be returned intact and in the following order:

- a. Original completed Request for Bid (ITB) and **one (1) copy**; this includes any amendments applicable to this ITB.
- b. Completed Affidavits: (1) Delinquent Property Tax, (2) Non-Discrimination, (3) Non-collusion, (4) No Findings for Recovery, (5) Compliance Affidavit for Businesses, (6) Transparency Purchasing Policy Disclosure and (7) Sweatfree Affidavit; all signed by your legally authorized representative and notarized.
- c. Bid Bond - Separated from (ITB) and Marked "Bid Bond", your Company's Name, Project Title and Bid Number. **The bid bond is mandatory.** A bidder will be disqualified if the bid bond is not submitted.
- d. The ITB Pricing Response Form completed in its entirety **(Section B)**.

Faxed transmissions of bid are unacceptable. Sealed bids received through the mail after the specified date and time will also be returned.

Lucas County reserves the right to postpone the bid opening for its convenience. Bidders are required to submit firm and fixed prices in the format specified on the pricing sheet **(Section B)**. When there are errors in multiplication or addition in a bid, the unit price quoted will be used for calculating the correct total bid. If the error is in the unit price, the bid will be automatically disqualified.

All bid pricing will be valid for 60 (sixty) calendar days from the bid opening date to permit adequate evaluation of bid responses.

Lucas County may make this award as a whole or on a partial basis, based on the individual bid specifications.

Any deviations from the specifications must be clearly detailed on the exception form. **(Section C)**

If any items being bid have an expiration date, items delivered cannot be expired and must carry a good date for at least 6 (six) months after receipt.

There will be no incidental charges for services. If Lucas County has left any information out of these specifications where the Vendor would foresee additional charges/fees, bidder must include that information on the attached exception form.

All materials in the bid will become the property of Lucas County and may be returned only at the County's discretion. Materials received constitute public information as a matter of statutory law and will be made available for public inspection and copying upon request by members of the public pursuant to ORC Section 149.43. Any portion of the bid to be held confidential should be marked to that effect and will not be considered public record if it clearly falls within an exemption enumerated in ORC Section 149.43.

Additional information, such as brochures, glossies and or promotional materials, is to be provided in a separate section at the back of the response.

6.1 Additional Administrative Requirements - Compliance with Support Order(s)

Financial responsibility, integrity, and accountability are essential for operating a business that services the public. Unpaid obligations are a social problem, which threatens the welfare of children and increases the burden on taxpayers to provide social services. Due to the public's growing concern with non-paying parents, government initiatives to create additional, effective enforcement mechanisms are necessary. It is in the County's interest that all contractors doing business with Lucas County demonstrate financial responsibility and integrity and accountability.

All bidders must submit the completed "Compliance Affidavit For Businesses" with their bid. Once a lowest and best bidder has been determined and prior to award, this form will be submitted by Lucas County to the Child Support Enforcement Agency for certification of substantial compliance of court ordered and/or agency ordered child support of any individuals of the company who have twenty-five (25%) percent or greater vested interest in the company. If the individual is found to be not in compliance, said bidder will be notified that the individual is not in compliance and therefore the bidder/company/contractor is not in compliance and will have five (5) days to be in compliance from date of notification. Failure to comply will cause disqualification of the bidder's/company's /contractor's bid.

Bidders should contact Lucas County Child Support Enforcement Agency, (419) 213-3106, regarding this requirement should they have questions.

7.0 Contract Administration

The Lucas County Purchasing Department will administer the contract.

8.0 Bid Evaluation Criteria and Award

An award will be made to the provider who is considered lowest and best bid for the County's needs.

Lucas County Board of Commissioners reserves the right to reject any and all bids, to waive minor technicalities and to request a re-bid through the bid process. Lucas County reserves the right to conduct site visits of proposed facilities (at County expense) to determine capability of the bidder to perform.

9.0 Bid Alterations, Amendments, and Alternate Bids

No alterations, additions (alternate bids), or exceptions to the specifications contained herein are permitted except by amendments issued by the Lucas County Purchasing Department to all bidders that have received an ITB.

During the bid process, bidders may be furnished certain amendments covering additions or deletions to the ITB documents. Amendments will be included in the scope of work and will become a part of contract documents. Amendments may be issued up to seventy-two (72) hours preceding the bid opening date, excluding weekends and holidays.

Any prospective bidder desiring an explanation or interpretation of the ITB or specifications must request it in writing soon enough to allow a reply to reach all prospective bidders before the submission of their bids but no later than 5 (five) business days prior to the bid opening. Oral explanations or instructions given before the award of a contract will not be binding. Any information given a prospective bidder concerning the ITB will be furnished promptly to all other prospective bidders as an amendment, if that information is necessary in submitting bids or if the lack of it would be prejudicial to other prospective bidders.

10.0 Equal Opportunity Provisions Required

All bidders must be willing to enter a contract containing the express language contained in Section 125.111 of the ORC, which requires the following:

Every contract for or on behalf of the state or any of its political subdivisions for the purchase of materials, equipment, supplies, contract of insurance, or services shall contain provisions similar to those required by Section 153.59 of the Revised Code in the case of construction contracts by which the bidder agrees to both of the following:

That in the hiring of employees for the performance of work under the contract or any subcontract no bidder or subcontractor shall, by reasons of race, color, religion, sex, age, handicap, national origin or ancestry, discriminate against any citizen of this state in the employment of a person qualified and available to perform the work to which the contract relates.

That no bidder, subcontractor, or any person acting on behalf of any bidder or subcontractor shall, in any manner, discriminate against, intimidate, or retaliate against any employee hired for the performance of work under the contract on account of race, color, religion, sex, age, handicap, national origin or ancestry.

All bidders who contract with the state or any of its political subdivisions for materials, equipment, supplies, contracts of insurance, or services shall have a written affirmative action program for the employment and effective utilization of economically disadvantaged persons, as defined in Section 122.71 of the Revised Code. Annually, each such bidder shall file a description of the affirmative action program and a progress report on its implementation with the Ohio Civil Rights Commission and the Minority Business Development Office established under Section 122.92 of the Ohio Revised Code.

11.0 Insurance Requirements

If bid specifications require performance of labor for Lucas County, seller must agree to indemnify and protect Lucas County against all liabilities, claims, or demands for injuries or damages to any person or property growing out of the performance of this contract, by seller, its servants, employees agents or representatives. Prior to issuance of purchase order, the successful bidder must furnish an Insurance Carrier's Certificate showing that the seller has adequate worker's compensation, public liability, and property damage insurance coverage in accordance with the "County of Lucas Contractor Insurance" page of the bid document.

12.0 Contract Term and Extension

The successful bidder's Support Services and Implementation Work Plan submission may define the term of the resulting contract. The exact contract commencement date, completion date, and option periods will be set forth in the contract and resolution approving the contract as adopted by the Lucas County Board of Commissioners.

13.0 Invoices

The bidder will be required to submit invoices in triplicate (one original and two copies) to the "invoice to" address identified in the purchase order used to issue orders against this contract. The bidder's Federal Tax Identification Number should appear on all statements and invoices.

Invoices must include the following:

Name and address of bidder
Invoice remittance address as designated in the contract & description including:

Billing period
Location
Unit Code (must match bid)
Calculated extended cost
Description of item purchased
P. O. or Contract #

14.0 Assignment/Subcontractor

Neither the contract nor any rights, duties or obligations described herein will be assigned by either party hereto without prior express, written consent of the other party. The contract will be made pursuant to the bid submitted by the bidder. The contract will be based on the bidder's qualifications and responsibilities. The bidder will not sublet or assign the contract nor shall any subcontractor commence performance of any part of the work included in the resulting contract, without the previous written consent of Lucas County.

15.0 Taxes

Lucas County does not pay local, state or Federal taxes. If requested, the bidder will be furnished with an exemption certificate.

16.0 Permits/Codes

The selected bidder is responsible for obtaining all permits and licenses required for performance of the work specified. All labor and materials provided under this agreement shall meet or exceed minimum standards covered by the current applicable code(s) or bidder shall have obtained a legal waiver.

17.0 Compliance with the Law

The bidder must agree to comply with all applicable Federal, state, and local laws in the conduct of the work specified in this ITB including applicable state and Federal laws regarding drug-free work places. The bidder will be required to accept full responsibility for payment of all taxes and insurance premiums including, but not limited to; Unemployment Compensation insurance premiums, Workers' Compensation, all income tax deductions, Social Security Deductions, and any other taxes or

payroll deductions required for all employees engaged by the bidder in the performance of the work specified in this ITB.

18.0 Pricing

Bidders are expected to quote firm and fixed prices on a per unit basis, in the format specified in **(Section B)**. The successful bidder will not change the unit price or the scope of work during the contract period or any extension periods, however, should the bidder receive a decrease in overall costs associated with the commodity, this provision shall allow for modification of the existing contract to decrease the price.

Bidders must utilize pricing forms supplied in this document contained with **(Section B)**.

It is the County's intent to establish a contractual arrangement for specified commodity or service. Any services not specifically named on the pricing pages are to be named and priced on Additional Response Area **(Section C)**. Additional pricing may be submitted on subsequent pages so long as presented in a manner consistent with supplied format.

There will be no incidental charges for services. If Lucas County has left any information out of these specifications where the Bidder would foresee additional charges/fees, the bidder must include that information on the exception sheet found in **(Section C)**.

19.0 Termination for Convenience

Lucas County reserves the right to terminate the resulting contracts for its convenience by giving the bidder 30 (thirty) days written notice. Lucas County reserves the right to terminate during the contract period or any subsequent renewal period.

20.0 Termination for Default

Lucas County may terminate the contract at any time the bidder fails to carry out its provision under the terms and conditions of the specified contract after issuance of a cure notice. The bidder will have thirty days after notice of required improvement to make necessary corrections. If, after such notice, the bidder fails to remedy the conditions, Lucas County will issue an order to stop work immediately and terminate the contract without obligation.

21.0 Non-Acceptance Criteria for Work, Materials and Service

No certificate of payment, no provision in the bidding documents, or any partial shipment of materials or entire occupancy of government shall constitute an acceptance of work, materials or service not done or provided in accordance with the contract documents, or relieve the bidder of liability for any express or implied warranties or responsibility for faulty materials or

workmanship. The bidder shall remedy any defects in the work, material or service and pay for any other resulting damage to other work, material or equipment which appears within one year of final acceptance of the work, materials, or service unless a longer period is elsewhere specified. Nothing stated herein should relieve the bidder of common law liability for latent defects, which may appear after the expiration of the warranty period.

22.0 Performance Requirements

The delivery of any material, equipment, or the performance of any service that does not conform in all respects to the specifications will be rejected and the Board of Commissioner's representative and reasons for the rejection shall notify the Bidder. If the Bidder fails to make immediate replacement of such rejected material, equipment or service meeting the specifications, the Board of Commissioners will procure in the open market materials, and equipment, or hire labor of the quality required to meet the specifications up to the value rejected and the Bidder and his surety shall be liable to the Board of Commissioners for the total costs of the correction. The Board of Commissioner's performance of the work, when the Bidder is not doing the work in accordance with the specifications of the contract, shall result in a claim against the bidder for all costs and damages which will be allowed by reason of such non-performance.

If the Bidder defaults or neglects to carry out the work in any respect in accordance with the contract documents and fails to correct the default, except where an extension of time is granted in writing by the County, the County upon written notice to the Bidder may, without prejudice to any other remedies the County may have, make the correction required. If the default or neglect results in a threat to the safety of persons or property, the Bidder must immediately commence to correct such default or neglect upon written or oral notice.

23.0 Indemnification

The Bidder awarded this contract shall assume the defense of, indemnify, and save harmless the County or any authorized political subdivision receiving services under this contract from any claims or liabilities of any type or nature to any person, bidder, or corporation arising in any manner from the bidders performance of the work required under this contract and shall pay any judgment obtained or growing out of said claims, liabilities, or any of them.

24.0 Non-Appropriation of Funds

Bidders are advised that although the term of this contract may span several fiscal years, this contract is contingent upon the County budgeting and appropriating the funds necessary for the continuation of this contract in the current year. In the event that the funds necessary for the continuation of this contract

are not approved for expenditure in any year, this contract shall terminate on the last day of the fiscal year in which funding was approved, with no penalty to the County.

25.0 Co-Op Opportunities

ORC 9.48 allows any county to participate in contracts of other counties or townships in the acquisition of equipment, materials, supplies or services using the same terms, conditions and specifications and same or lower price.

Lucas County may permit authorized counties, townships or municipalities here after referred to as political subdivisions, to participate in contracts that Lucas County has entered into for the purchase of certain supplies, services, materials and equipment. Upon contract award, authorized political subdivisions are approved to order directly with the supplier. All invoices for such purchases must be sent directly to the ordering political subdivisions' billing address. Under no circumstances is Lucas County obligated to that political subdivision's financial commitments.

COUNTY OF LUCAS CONTRACTOR INSURANCE

21 INSURANCE

21.1 The CONTRACTOR shall purchase and maintain such insurance as will protect him from claims set forth below which may arise out of or result from the CONTRACTOR'S execution of the WORK, whether such execution be by himself or by any SUBCONTRACTOR or by anyone directly employed by any of them, or by any one for whose acts any of them may be liable:

21.1.1 Claims under workmen's compensation, disability, benefit and other similar employee benefit acts;

21.1.2 Claims for damages because of bodily injury, sickness or disease or death of his employees;

21.1.3 Claims for damages because of bodily injury, sickness or disease or death of any person other than his employees;

21.1.4 Claims for damages insured by usual personal injury liability coverage which are sustained (1) by any person as a result of an offense directly or indirectly related to the employment of such person by the CONTRACTOR, or (2) by any other person; and

21.1.5 Claims for damages because of injury to or destruction of tangible property, including loss of use resulting there from.

21.2 Certificate of Insurance acceptable to the OWNER shall be filed with the OWNER prior to commencement of the WORK naming OWNER as additional insured. These Certificates shall contain a provision that coverages afforded under the policies will not be canceled unless at least thirty (30) days prior WRITTEN NOTICE has been given to the OWNER.

21.3 The CONTRACTOR shall procure and maintain, at his own expense, during the CONTRACT TIME, liability insurance as hereinafter specified;

21.3.1 Comprehensive General Liability and Property Damage, Contractor's Protective Liability, Contractual Liability, Completed Operations-Products, Automobile Bodily Injury and Property Damage, owned and non-owned and hired vehicles and Owner's Protective Liability. The latter policy shall name as the insured the OWNER. If excluded from CONTRACTOR'S standard coverages, the following shall be deleted for policies provided under the CONTRACT DOCUMENT EXCLUSIONS: (1) "Underground Operations" (2) "Third Party Beneficiary" and (3) "Collapse" - where exposure is determined. Bodily Injury Liability and Property Damage Insurance shall cover the use of "Explosives" if used in performance of the CONTRACT. Insurance should be placed with a carrier with an AM Best Rating of at least an A-.

The types and **minimum** limits of insurance shall be as follows:

Commercial General Liability Insurance -
General Aggregate Limit - \$2,000,000
Products-Completed Operations-

Aggregate Limit - \$2,000,000
Personal and Advertising
Injury Limit - \$1,000,000
Each Occurrence Limit - \$1,000,000
Comprehensive Automobile Liability
Bodily Injury & Property Damage Liability Limit
Each Occurrence - \$1,000,000

The above minimum coverages may be obtained through the primary insurance or any combination of primary and umbrella insurance. In addition, the General Aggregate Limit shall be required on a per project basis.

21.3.2 The CONTRACTOR shall acquire and maintain, if applicable, Fire and Extended Coverage Insurance upon the PROJECT to the full insurable value thereof for the benefit of the OWNER, the CONTRACTOR, and SUBCONTRACTORS as their interest may appear. This provision shall in no way release the CONTRACTOR or CONTRACTOR'S surety from obligations under the CONTRACT DOCUMENTS to fully complete the PROJECT.

21.4 The CONTRACTOR shall procure and maintain at his own expense, during the CONTRACT TIME, in accordance with the provisions of the laws of the state in which the work is performed, Workmen's Compensation Insurance, including occupational disease provisions, for all of his employees at the site of the PROJECT and in case any work is sublet, the CONTRACTOR shall require such SUBCONTRACTOR similarly to provide Workmen's Compensation Insurance, including occupational disease provisions for all of the latter's employees unless such employees are covered by the protection afforded by the CONTRACTOR. In case any class of employees engaged in hazardous work under this contract at the site of the PROJECT is not protected under Workmen's Compensation statute, the CONTRACTOR shall provide, and shall cause such SUBCONTRACTOR to provide, adequate and suitable insurance for the protection of his employees not otherwise protected.

21.5 The CONTRACTOR shall secure, if applicable, "All Risk" type Builder's Risk Insurance for Work to be performed. Unless specifically authorized by the OWNER, the amount of such insurance shall not be less than the CONTRACT PRICE totaled in the BID. The policy shall cover not less than the losses due to fire, explosion, hail, lightning, vandalism, malicious mischief, wind, collapse, riot, aircraft and smoke during the CONTRACT TIME, and until the WORK is accepted by the OWNER. The policy shall name as the insured the CONTRACTOR, and the OWNER.

22. INDEMNITY

22.1 PROFESSIONAL LIABILITY

Relative to any and all claims, losses, damages, liability and costs, the CONTRACTOR agrees to indemnify and save the County of Lucas, its officials and employees (herein after "County") harmless from and against any and all suits, actions or claims for property losses, damages or personal injury claimed to arise from a negligent act, error or omission by the CONTRACTOR or its employees.

22.2 NON-PROFESSIONAL LIABILITY

To the fullest extent permitted by law, the CONTRACTOR shall indemnify and hold harmless the County of Lucas, its officers, officials and employees (hereinafter "County"), or any of them from and against claims, damages, losses and expenses, including but not limited to attorneys' fees arising out of the acts or omissions of the CONTRACTOR, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of property (other than the Work itself) including loss of use resulting there from, but only to the extent caused in whole or in part by the acts or omissions of the CONTRACTOR, any subCONTRACTOR(s) of the CONTRACTOR, its agents, or anyone directly employed by them or anyone whose acts they may deem liable, regardless of whether or not such claim, damage, loss or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate abridge, or reduce other rights or obligations of indemnity which would otherwise exist as to a party or person described in this paragraph 22.2. It is understood and agreed that this indemnification obligation is enforceable to the full extent permitted by Ohio Revised Code Section 2305.31.

22.3 It is expressly understood and 'agreed that these indemnification obligations are enforceable to the full extent permitted by Ohio Revised Code Section 2305.31. In any and all claims against the County by any employee of the CONTRACTOR, and any subCONTRACTOR(s) of the CONTRACTOR, agent or anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable. CONTRACTOR hereby expressly waives the immunity provided to CONTRACTOR by Article II, Section 35, of the Ohio Constitution and Ohio Revised Code Section 4123.74 and 4123.741, all regarding worker's compensation immunity, so that this indemnification obligation may be enforced by the County of Lucas against CONTRACTOR in those instances.

22.4 If the CONTRACTOR subcontracts with the County, the CONTRACTOR shall require its subCONTRACTORS to indemnify the County of Lucas in accord with Article 22.

22.5 CONTRACTOR Responsible - The CONTRACTOR expressly understands that the insurance requirements as outlined above are minimum requirements to be met under the contract and does not in any manner represent that the limits, coverage or policy forms are sufficient or adequate to protect the interest or liability of the CONTRACTOR and/or its subCONTRACTORS.

THE FOLLOWING MUST BE INCLUDED (IN THE SPECIFIED AREAS) ON ALL INSURANCE CERTIFICATES:

- DESCRIPTION OF THE PROJECT AND LOCATION: you may use a generalized listing of the duties to be performed under this certificate of insurance. Example: "Projects Executed for the Board of Lucas County Commissioners."
- CERTIFICATE HOLDER: Board of Lucas County Commissioners, One Government Center, Suite 800, Toledo, Ohio 43604-2247.

SECTION A - AFFIDAVITS

DELINQUENT PERSONAL PROPERTY TAX STATEMENT
(O.R.C. Section 5719.042)

THIS FORM MUST BE COMPLETED IN ITS ENTIRETY AND NOTARIZED

I _____, _____, _____
(NAME) (TITLE) (NAME OF COMPANY)

affirm that at the time that I submitted the bid for _____
(BID TITLE)

to the Board of Lucas County Commissioners on _____ that
(DATE)

_____ was / was not charged with delinquent
(NAME OF COMPANY) (CIRCLE ONE)

Personal Property Taxes by the Lucas County Auditor.

(If Personal Property Taxes are delinquent, complete the following section)

The amount of delinquent Personal Property Taxes due Lucas County is
_____ and unpaid penalties and interest are _____.
(AMOUNT) (AMOUNT)

(SIGNATURE)

(COMPANY)

(DATE)

Sworn to and subscribed before me this _____ day of, _____ 20__.

(SEAL)

(NOTARY)

My Commission Expires:

(Date) _____

NON-DISCRIMINATION AND EQUAL EMPLOYMENT OPPORTUNITY AFFIDAVIT

STATE OF _____

SS

COUNTY OF _____

_____ being first duly sworn, deposes and says that
(Name)

he/she is _____ of _____ the party
(Title) (Company)

that made the foregoing proposal; that such party as bidder does not and shall not discriminate against any employee or applicant for employment because of race, religion, color, sex or national origin. If awarded the bid and contract under this proposal, said party shall take affirmative action to insure that applicants are employed and that employees are treated, during employment, without regard to their race, religion, color, sex or national origin. If successful as the lowest and best bidder under the foregoing proposal this party shall post non-discrimination notices in conspicuous places available to employees and applicants for employment setting forth the provision of this affidavit.

Furthermore, said party agrees to abide by the assurances found in Section 153.59 of the Ohio Revised Code in the Contract Provisions with the Owner if selected as the successful bidder by the owner.

(Signature)

(Affiant)

(Company/Corporations)

(Address)

(City/State/Zip Code)

Sworn to and subscribed before me this _____ day of _____, 20____.

(Seal)

(Notary)

My Commission Expires:

(Date)

NON-COLLUSION AFFIDAVIT

STATE OF OHIO,

COUNTY OF LUCAS, SS:

_____ being first duly SWORN, deposes and says that he is the _____ or authorized representative of _____ or is the party submitting this bid; that such bid is genuine and not collusive or sham; that said bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any other bidder or person, to submit a sham bid, or refrain from bidding; has not in any manner, directly or indirectly sought by agreement or collusion, or communication or conference, with any person, to fix the bid price of affiant or any other bidder, to fix any overhead, profit or cost element of said bid price, or of that of any other bidder; to secure any advantage against the County of Lucas or any person or persons interested in the proposed contract; that all statements contained in said proposal of bid are true and that, such bidder has not, directly or indirectly submitted this bid, or the contents thereof, or divulged information or data relative thereto to any other potential bidder. Further, Affiant affirms that no county employee has any financial interest in this company or the bid being submitted.

(Affiant Signature)

(Affiant Title)

SWORN to before me and subscribed in my presence
this _____ day of _____, 20____.

(Date) (Month) (Year)

(Notary Public)

(SEAL)

My Commission Expires

(Date)

NO FINDINGS FOR RECOVERY AFFIDAVIT

THIS FORM MUST BE COMPLETED IN ITS ENTIRETY AND NOTARIZED

I _____, _____, _____
(NAME) (TITLE) (NAME OF COMPANY)

affirm that at the time that I submitted the bid for _____
(BID TITLE)

to the Board of Lucas County Commissioners on _____ that
(DATE)

_____ has / has no unresolved
(NAME OF COMPANY) (CIRCLE ONE)
finding for recovery from the State Auditor per Ohio Revised Code
Section 9.24.

**(If there is unresolved finding for recovery from the State Auditor ,
complete the following section)**

The amount of unresolved finding for recovery due the State Auditor is
_____ and unpaid penalties and interest are _____.
(AMOUNT) (AMOUNT)

(SIGNATURE)

(COMPANY)

(DATE)

Sworn to and subscribed before me this _____ day of, _____ 20__.

(SEAL)

(NOTARY)

My Commission Expires:

**Additional Administrative Requirements
Compliance with Support Order(s)**

Financial responsibility, integrity and accountability are essential for operating a business that services the public. Unpaid obligations are a social problem which threatens the welfare of children and increases the burden on taxpayers to provide social services. Due to the public's growing concern with non-paying parents, government initiatives to create additional, effective enforcement mechanisms are necessary. It is in the County's interest that all contractors doing business with Lucas County demonstrate financial responsibility and integrity and accountability.

All bidders **must submit** the **completed** "Compliance Affidavit For Businesses" with their bid. Once a lowest and best bidder has been determined and prior to award, this form will be submitted by Lucas County to the Child Support Enforcement Agency for certification of substantial compliance of court ordered and/or agency ordered child support of any individuals of the company who have twenty-five percent (25%) or greater vested interest in the company. If the individual is found to be not in compliance, said bidder will be notified that the individual is not in compliance and therefore the bidder/company/contractor is not in compliance and will have five (5) days to be in compliance from date of notification. Failure to comply will cause disqualification of the bidder's/company's/contractor's bid.

Bidders should contact Lucas County Child Support Enforcement Agency, 419-213-3106, regarding this requirement should they have questions.

LUCAS COUNTY SWEATFREE AFFIDAVIT

STATE OF _____

COUNTY OF _____, ss:

Personally appeared before me the undersigned, as an individual or as a representative of

_____ for a contract for _____
(Name of Entity) (Type of Product or Service)

to be let by the Board of Commissioners, Lucas County, Ohio, who, being duly cautioned and sworn, makes the following statement with respect to the Lucas County Sweatfree Procurement Policy and further states that the undersigned has the authority to make the following representation on behalf of himself or herself or of the business entity:

1. Name, physical address, phone number and contact persons for each production facility that will be involved in the production of goods or the provision of services.

2. I have personal knowledge of the information contained in section 1 or I have obtained such information from any resale entity.

3. I understand my obligation to ensure that all applicable production facilities adhere to the sweatfree code of conduct as defined in Section IV of the Lucas County Sweatfree Procurement Policy.

4. I understand that if Lucas County, the State and Local Sweatfree Consortium, and/or an independent monitor find any of the production facilities listed above to be out of compliance with any of the provisions of Section IV of the Lucas County's Sweatfree Procurement Policy, and I fail to take all reasonable steps as specified by and/or its designee(s), I will be deemed out of compliance with the sweatfree code of conduct as defined in the Lucas County Sweatfree Procurement Policy.

5. I have furnished a copy of the sweatfree code of conduct as defined in Section IV of the Lucas County Sweatfree Procurement Policy to each production facility named in paragraph 1 and to each relevant subcontractor and I have instructed each subcontractor to furnish the code of conduct to each relevant production facility.

BIDDER:

SIGNATURE: _____

NAME: _____

TITLE: _____

DATE: _____

Sworn to before me and subscribed in my presence by the above named person this _____ day of _____, 20_____.

NOTARY PUBLIC: _____

My Commission Expires:

SECTION B - SPECIFICATIONS & PRICING

Bid Specifications

For the Purchase of Two (2) 2015 or newer Mack Truck cab over MRU 613 with One 44 cubic yard Heil Half/Pack full eject front loader body or equivalent for the Lucas County Solid Waste Management District (LCSWMD) to service Recycling Drop-off Centers. Mounted complete and ready for operation.

INTENT:

This specification describes a hydraulically actuated partial pack front loader with a container hoisting device capable of handling 1-10 cubic yard containers with side pockets. The body shall be capable of compacting and transporting refuse to a landfill or transfer station and dispensing the load by means of hydraulically ejecting the load from the body.

GENERAL TERMS:

The manufacturer of all equipment provided under this contract shall be ISO 9001 certified. All equipment furnished under this contract shall be new, unused and the same as the manufacturer's current production model. Accessories not specifically mentioned herein, but necessary to furnish complete unit ready for use, shall also be included. Unit shall conform to the best practice known to the body trade in design, quality of material and workmanship. Assemblies, sub-assemblies and component parts shall be standard and interchangeable throughout the entire quantity of units as specified in this invitation to bid. The equipment furnished shall conform to ANSI Safety Standard Z245.1-1999. The manufacturer of all equipment provided under this contract shall be made in USA.

GUARANTEE:

Bidder shall state his normal warranty and extended warranty where available.

BID QUOTATION:

Bidder shall complete every space in the specification bidder's proposal Column with a check mark to indicate if the item being bid is exactly as Specified. If not the "NO" column must be checked and a detailed Description of the deviation from the specification to be supplied.

**Bidder Shall Complete By Checking the Following.
If Not Compliant, State Specifically Item Being Offered.**

Yes No Offered

Cab and Chassis Specifications:

- | | | |
|--|--------------------------|--------------------------|
| 1. New 2013 tandem axle cab and chassis. | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Wheel base suitable for front load packer body
Mounted unit. | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Cab to axle suitable for font load packer body mounted unit. | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Cab front ladder and anti skid roof. | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. MC door on left side of cab(roll up window) | <input type="checkbox"/> | <input type="checkbox"/> |

Engine:

- | | | |
|--|--------------------------|--------------------------|
| Mack Mp7-345R 345 HP @1500-1700 RPM 1280 LB FT. Torque
@1100-1300 RPM. Diesel | <input type="checkbox"/> | <input type="checkbox"/> |
| Engine block heater, 120v 1500 watt | <input type="checkbox"/> | <input type="checkbox"/> |
| Fuel water separator, Mack w/manual drain valve (integral w/primary fuel filter) | <input type="checkbox"/> | <input type="checkbox"/> |
| Front PTO | <input type="checkbox"/> | <input type="checkbox"/> |

Automatic Transmission:

- | | | |
|---|--------------------------|--------------------------|
| Allison 4500-RDS-6 (4.70/ 0.67) Rugged Duty Series GEN 4 includes
Direct mount oil cooler, internal filter and oil level sensor. | <input type="checkbox"/> | <input type="checkbox"/> |
| Synthetic Lubricant – Transmission, Transynd Synthetic Lube for
Allison Trans | <input type="checkbox"/> | <input type="checkbox"/> |

Axles and Suspensions:

- | | | |
|----------------------------|--------------------------|--------------------------|
| Power Steering | <input type="checkbox"/> | <input type="checkbox"/> |
| 66,000 LBS GVW minimum | <input type="checkbox"/> | <input type="checkbox"/> |
| Front Axle 20,000 LBS GVWR | <input type="checkbox"/> | <input type="checkbox"/> |

**Bidder Shall Complete By Checking the Following.
If Not Compliant, State Specifically Item Being Offered.**

	<u>Yes</u>	<u>No</u>	<u>Offered</u>
Axles and Suspensions:			
Front Shock absorbers	<input type="checkbox"/>	<input type="checkbox"/>	
Rear 46,000 LBS GVWR tandem axles with ratio of 5.05	<input type="checkbox"/>	<input type="checkbox"/>	
Magnetic rear axle drain plugs	<input type="checkbox"/>	<input type="checkbox"/>	
Suspension axle spacing 50"	<input type="checkbox"/>	<input type="checkbox"/>	
Brakes:			
Full Air with Bendix ABS	<input type="checkbox"/>	<input type="checkbox"/>	
Air Compressor 37.4 CFM	<input type="checkbox"/>	<input type="checkbox"/>	
Air Dryer Heated, Dual Dryer W/Cooling tank & Meritor Wabco System Saver Twin Dryers	<input type="checkbox"/>	<input type="checkbox"/>	
Automatic Drain Valve, (Heated) (1) on supply (wet) Tank W/Lanyards On all other air tanks.	<input type="checkbox"/>	<input type="checkbox"/>	
Front brakes air s-cam; 16.50"x6.0" with automatic slack adjusters	<input type="checkbox"/>	<input type="checkbox"/>	
Rear brakes air s-cam; 16.5"x7.0" with automatic slack adjusters	<input type="checkbox"/>	<input type="checkbox"/>	
Raised Rear Brake Chambers (rear axle only)	<input type="checkbox"/>	<input type="checkbox"/>	
Spring Brake Chambers –Quantity, (4) Double Diaphragm Type Mechanical spring release, (2) mounted on each rear axle. Type 30/30 Both Rear axles.	<input type="checkbox"/>	<input type="checkbox"/>	
Air compressor air supply line through the air cleaner.	<input type="checkbox"/>	<input type="checkbox"/>	
Dual Air pressure gauges included.	<input type="checkbox"/>	<input type="checkbox"/>	
Install Telma frictionless braking system at the original Equipment manufacturer of truck chassis.	<input type="checkbox"/>	<input type="checkbox"/>	

**Bidder Shall Complete By Checking the Following.
If Not Compliant, State Specifically Item Being Offered.**

Yes No Offered

Electrical System:

Three Maintenance free 12-volt batteries 3,000 CCA total capacity.

Alternator, Delco Remy 12v 240 amp capacity Part#DR-8600338.

Transistorized Turn Signal flasher.

Electric Circuit protection package, 12 volt W/ Circuit breakers
Negative ground system.

Waterproof electrical connections sprayed w/protective coating.

Battery box covers, molded plastic.

Starter Switch electric key operated.

Wiring chassis color-coded and continuously numbered.

Windshield Wipers, 2speed Electric motor W/Intermittent Feature.

Electronic controlled engine speed up.

Back-up alarm.

Driver Environment:

Steering wheel 18" diameter.

Radio CD, am/fm stereo, with weather band, with electronic tuning,
Clock, includes multiple dual-cone speakers.

Gauge cluster English with English electronic speedometer and
Tachometer. Includes: engine oil pressure, water temperature,
Voltmeter, hour meter and transmission temperature gauge.

Air conditioner with integral heater and defroster, 40,000 BTU.
Includes: premium heater hoses and R-134a refrigerant.

Windshield wiper switch intermittent for electric wipers, cruise control

**Bidder Shall Complete By Checking the Following.
If Not Compliant, State Specifically Item Being Offered.**

Yes No Offered

Cab Interior Trim:

Deluxe interior trim level. Includes: black rubber floor covering, Vinyl seats and headliner.

High back air suspension w/lumbar support driver seat in vinyl Also includes armrest.

Passenger seat low back vinyl.

Headliner, dome light, sun visors (2).

Fire extinguisher dry type ABC, 5lb cap. Re-chargeable, first aid Kit, Tri-angle reflectors and flare kit mounted in cab. Must meet or exceed Department of Transportation requirements.

Power point on instrument panel 12v for phone charger.

Glass- cab window, safety tinted windshield side and rear windows.

Chassis:

One (1) tow pin, located center of frame mounted front frame or Equivalent.

Bumper- front, swept back steel channel type extended 63"

Cross members steel 1/2" PL bolted BOC & INTERMDT 1/8" below Top of rail.

Cross member (behind rear axle), web channel type.

For refuse service 15 inch

Skid plate under bumper & radiator

Fuel tank, RH, 80 gallon 24" diameter steel

Fuel lines, Aeroquip fire resistant hose

Painted one color black

**Bidder Shall Complete By Checking the Following.
If Not Compliant, State Specifically Item Being Offered.**

Yes No Offered

Cab Exterior:

Painted one color white

Horn, air (2) twin trumpet

Headlights long life halogen.

Five (5) cab clearance and ID lights.

Tinted glass

Primary Power Heated mirrors (2) rectangular, West Coast type
Stainless steel, brackets 16"x7" size with 102" wide spacing,
Heated mounted all the way forward on doorframe.

Mirrors heated lower convex (2), stainless steel, 8" diameter,
Mounted below primary heated and above primary heated mirrors.

Driver and passenger access Includes: grab handle, cab interior (1)
"A" Pillar mounted, passenger side step (4) two on each side, Grab
Handle (2) exterior, "B" Pillar mounted one on each side.

Wheels and Tires:

Front wheels two (2), 22.5" disc aluminum, ten () stud, Hub piloted
Flanged nut, metric mount, 12.25" x 22.5" DC aluminum rims.

Rear wheels Eight (8) 22.5" disc aluminum, ten- (10) stud, Hub piloted,
Flanged nut, metric mount, 8.25" DC aluminum rims.

Wheel seals front and rear, oil lubricated wheel bearings.

Wheels-Polished (Front & Rear), Alcoa Polished W/Dura-Bright Protection process.

Wheels and Tires:

Yes No Offered

Tires front Two (2) 425/65R22.5 L 20ply tubeless radial.
Goodyear G296MSA Dura seal.

Tires Rear eight (8) 11R22.5 H 16 ply tubeless radial.
Goodyear G288MSA Dura seal.

Mack Warranty:

All warranties must meet industry standards and the following
Minimum coverage.

12 months, unlimited miles, 100% parts and labor, no deductible,
On total vehicle

36 months, 300,000 miles, 100% parts and labor, no deductible on engine.

60 months, unlimited miles 100% parts and labor, no deductible
On transmission.

Bidder to list optional extended warranties on bid form page,
Additional years each adds to warranty, and terms, conditions
And cost of each.

Literature/ Manuals/ Factory Computer Printouts:

Bidder to submit all available printed literature on packer body,

Chassis and individual drive train components with bid.

Bidder to furnish two (2) complete sets of packer body and chassis
Manufacturer's instruction, parts and service manuals with unit upon
Delivery.

Bidder must furnish a copy of factory line setting ticket with unit upon
Delivery.

Bidder must supply copy of truck chassis specifications if
Truck chassis is supplied by Body Company.

Training:

Bidder to conduct operators, mechanic and management, safety training sessions on
Mack trucks at Sanitary Engineer Conference Room and Garage,
1111 S. McCord RD.Holland OH.43528, no latter than 30 days after
Delivery.

**Bidder Shall Complete By Checking the Following.
If Not Compliant, State Specifically Item Being Offered.**

Yes No Offered

Packer Body Specifications:

A. CAPACITY

- 1. The body shall have a capacity, excluding the receiving hopper, of not less than: 32 yd³
- 2. The hopper shall have a capacity of twelve (12) cubic yards

B. BODY DIMENSIONS

- 1. Body length including 52"cab shield is 370"- 32 yd³ _____
- 2. Overall length with arms down and forks in full tuck position is 433"- yd³ _____
- 3. Overall length with arms down and forks in horizontal position is 471"- yd³ _____
- 4. Body width; outside shall be no more than 96". _____
- 5. Body width; inside should be a maximum of 88". _____
- 6. Body height, inside should be a minimum of 87 ½ ". _____
- 7. Body height above chassis rail, arms down is 107". _____
- 8. Body height above chassis rail, arms up with full tuck forks is 120". _____
- 9. Height above frame with tailgate raised including rear underride guard is 199 ". _____
- 10. Hopper width (bottom), above guide tracks, must be no less than 80". _____
- 11. Hopper width (top) must be a minimum of 81". _____
- 12. Hopper length at roof must be a minimum of 94". _____
- 13. Hopper depth must be a minimum of 91". _____

C. BODY CONSTRUCTION

- 1. Packer body will have flat hopper and body floor with curved roof and body sides and of overhead loading design. Hopper will be designed to properly

- | | | | |
|---|--------------------------|--------------------------|-------|
| handle containers from 1-10 cubic yard capacity. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 2. Roof - Minimum 8 gauge high tensile steel sheet 80,000 PSI minimum yield. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 3. Side Walls | | | |
| a. Lower hopper sides – minimum 3/16” 321 Brinell abrasion resistant steel plate, 150,000-PSI minimum yield. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| b. Upper hopper sides – minimum 8 gauge high tensile steel sheet, 80,000-PSI minimum yield. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| c. Body sides – minimum 8 gauge high tensile steel sheet, 80,000-PSI minimum yield. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 4. Floor | | | |
| a. Hopper floor – minimum 1/4” 321 Brinell, 150,000-PSI minimum yield. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| b. Body floor – minimum 1/4” 321 Brinell, 150,000-PSI minimum yield. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5. Roof and Side Reinforcements | | | |
| a. Upper longitudinal corner brace shall be 11 gauge 80,000 PSI minimum yield 4” x 6” deep-formed channel fully welded to the roof and body side sheets. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| b. Lower longitudinal corner brace shall be 11 gauge 80,000 PSI minimum yield 4” x 16” deep-formed channel fully welded to the body side sheets. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| c. Forward vertical body side bolster shall be 3/16”, 80,000 PSI minimum yield 6.72” x 7” deep formed channel conforming to the curved body sides and fully welded to the body sides. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| d. Rear vertical body side bolster shall be 3/16”, 80,000-PSI minimum yield 6.7” x 5” deep formed channel conforming to the curved body sides and fully welded to the body sides. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 6. Hopper Side Reinforcements | | | |
| a. The bottom side brace shall be 7 gauge formed 6” x 2” channel, 50,000-PSI minimum yield. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| b. Lower and intermediate side bracing – minimum of five (5) 11 gauge 80,000 PSI minimum yield 7-1/4” x 1-1/2” formed angles of lap construction. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |

- c. All external welds of hopper side bracing shall be continuous full seam. _____
- 7. Floor Reinforcements**
- a. Cross members shall be 7 gauge 80,000 PSI minimum yield, 6" x 3" formed channel. Members shall be spaced on approximately 21-1/2" centers in low compaction zone and 17-1/4" centers in high compaction zone. Cross members shall be full width, single piece construction. _____
- b. Cross members shall interlace with body longitudinals to fully support the floor. _____
8. Body Longitudinals (Long Members) - Shall be minimum of 7-gauge 80,000-PSI minimum yield formed box section. _____
9. Side Access Door - The side access door shall be located at the front street side of the body with minimum opening of 27" x 29-1/2" (796.5 in²). Steps and grab handles shall be provided for ease of entry. An electrical interlock shall be provided to disable the pump whenever the side door is open. _____
10. Roof Access Ladder - A ladder shall be provided on the rear of the tailgate for access to the body roof. Steps must be of "non-slip" material. _____
- 11. Sliding Top Door**
- a. A hydraulically actuated sliding top door will be provided to cover the hopper for traveling to the discharge site. _____
- b. The top door cylinder shall be double acting and have a minimum 2-1/2" bore x 90" stroke with a 1-1/2" diameter chrome plated rod. _____
- c. An in-cab-mounted light will be provided to indicate when the top door is not fully open. _____
12. Hopper Sump - A 32-gallon hopper liquid sump with a 14" x 5.5" door each side of the hopper will be provided for ease of clean out. _____
13. Hopper Sump Drain- A 3" sump drain valve located on the street side and curbside shall be provided for the removal of liquid waste from the hopper sump. _____
14. Front Head Closure - A 51" x 79" front head closure screen made of expanded metal shall be provided to prevent loose debris from entering the area in front of

the packer and to prevent unauthorized entry by non-service personnel.

15. A plastic shovel and bracket shall be mounted to the rear of the packing blade for the sump area cleanout .Also a push broom and bracket.

16. A single 20lb fire extinguisher shall be provided and be readily accessible.

17. A safety Triangle kit shall be provided in the cab.

D. PACKING MECHANISM

1. A hydraulically actuated packer traversing a minimum of 83-1/2", from the front head, shall clear the hopper of material with a maximum cycle time of twenty-six (26) seconds.

2. The lower packing panel face will be a minimum 3/16" 321 Brinell 150,000 PSI minimum yield, abrasion resistant steel plate. The upper vertical face will be a minimum 7 gauge, 80,000-PSI minimum yield. The packer will be reinforced with a combination of structural members for maximum rigidity.

3. Packing mechanism guide rails

a. The hopper zone packer guide rails (2) in the side of the body shall be comprised of 3/8" 50,000 PSI minimum yield structural angle welded to 3-1/2" x 1/4" ASTM A500 Grade B structural tubing on each side of body. The structural tubing shall be of a continuous piece the full interior length of the hopper, 128" long.

b. Abrasion resistant wear bars, 145,000 PSI minimum yield x 500 BHN, shall be clad to the hopper zone guide rails, each side, in the following manner:

i. Bottom horizontal track wear bar shall be 1/4" thick x 3-1/2" wide and located 3-1/2" above floor at corner.

ii. Top horizontal track wear bar shall be 1/4" thick x 2-1/2" wide.

iii. Outer vertical track wear bar shall be 1/4" thick x 2-1/2" wide.

c. The ejection zone guide rails shall be 3/8" 50,000 PSI minimum yield structural angle welded to the full length 3-1/2" x 3-1/2" x 3/16" ASTM A500 Grade B structural tube. A 1/4" x 2-1/2" H.R.S. wear bar shall be welded to the vertical and undersides surface of

the guide rail assembly. The top wear surface shall be clad with 1/4" x 3-1/2 H.R.S. steel.

d. The packer panel shall be guided on each side of the body with 3" x 6" x 1/4" ASTM A500 Grade B structural tubing clad with 145,000 PSI minimum yield abrasion resistant wear bars in the following manner:

i. Bottom horizontal packer panel wear bar shall be 3/8" thick x 3" wide x 41" long.

ii. Top horizontal packer panel wear bar shall be 1/4" thick x 3" wide x 41" long.

iii. Two- (2) vertical packer panel wear bars, located below the structural tubing, shall be 1/4" thick x 2" wide x 18" long.

4. Bolt-on lugs

a. The packer panel shall be provided with bolt-on lugs for each of the two- (2) packing cylinders. The cylinders shall be attached to the packer panel lugs via two-inch (2") diameter pins. Cylinder removal may be accomplished by either pulling the pins or by removing the entire bolt-on lugs. The lugs shall be attached to the packing panel with six (6) 3/4" diameter bolts for each lug assembly.

b. The body front head shall also be provided with bolt-on lugs for packing cylinders. The lugs shall retain cylinder pins with four (4) 3/4" diameter bolts.

5. Packer cylinders

a. The packer will be hydraulically actuated by two (2) double acting telescopic cylinders with 5-1/2" bore

b. Packer cylinders shall have spherical bearings on both ends.

c. The Packer cylinder grease zerks that are located on the rod and base end shall be equipped with a remote lube system that is accessible from the ground.

6. Packing force – minimum cylinder compaction force shall be 105,000 pounds.

E. BUSTILE TAILGATE

1. Tailgate must be one piece; top hinged and shall open approximately 30° above horizontal.

- | | | | |
|--|--------------------------|--------------------------|-------|
| 2. Tailgate back sheets shall be constructed of a minimum 10 gauge, 80,000 PSI minimum yield steel. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 3. Tailgate side sheets shall be constructed of a minimum 11 gauge, 80,000 PSI minimum yield steel. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 4. The tailgate shall be reinforced by a minimum 1/4" 80,000 PSI minimum yield, horizontal boxed braces. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5. The tailgate will be secured to the body by two (2) sets of hinges with 2" hinge pins at the roof line. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 6. A heavy-duty rear door positive seal of rubberized gasket material will be installed the full length of the bottom and 68" up the sides of the tailgate to prevent leakage. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 7. The tailgate shall be secured in the closed position by means of a fully automatic latching mechanism actuated by a separate control in the cab. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 8. Hydraulic tailgate | | | |
| a. The tailgate shall be raised and lowered hydraulically actuated by two (2) double acting cylinders with a minimum bore of 3" x 28-1/4" stroke with 1-1/2" diameter hardened chrome plated rod. Cylinder design shall also include an orifice fitting in the base port which will prevent the rapid descent of the tailgate in the event of a hydraulic failure. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| b. The tailgate shall be locked by two (2) lock cylinders with a minimum bore of 3" x 3-5/8" stroke with 1-1/2" diameter hardened chrome plated rod. Lock and tailgate raise cylinders shall be actuated by separate controls in the cab. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 9. All lights will be recessed into the tailgate with the lens flush with the outer skin. Clearance, backup and directional lights shall be a Lexan lens, shock mounted in a protective housing. The whole unit will be "pop-out" and replaceable. All vehicles will meet FMVSS #108 and state lighting and reflector requirements. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 10. An in-cab light and audible alarm will be provided to indicate that the tailgate is not fully closed. A mechanical flag device must be included to indicate that the tailgate is locked. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| F. LIFT ARMS | | | |
| 1. The lift arms will be 3" x 8" box reinforced type construction rated and capable of lifting 8,000 pound gross container and payload. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |

- | | | | |
|---|--------------------------|--------------------------|--|
| 2. Lift arms shall be capable of lifting loaded containers from a truck dock with 10' maximum pocket height. | <input type="checkbox"/> | <input type="checkbox"/> | |
| 3. Lift arm cycle time will be approximately 18-20 seconds. | <input type="checkbox"/> | <input type="checkbox"/> | |
| 4. Pick-up, dump, and disengagement will be done without the need for assistance and without the driver leaving the cab. | <input type="checkbox"/> | <input type="checkbox"/> | |
| 5. The lift arms, during the dump cycle must not obstruct or interfere with the opening of the truck cab doors on either side. | <input type="checkbox"/> | <input type="checkbox"/> | |
| 6. The two (2) 3" x 8" rigidly constructed lift arms will be held tight to the torque tube using 4" thick ASTM A-487, 60,000 PSI yield cast steel clamping devices, and secured using two (2) 7/8" Grade 8 bolts and lock nuts on each side. | <input type="checkbox"/> | <input type="checkbox"/> | |
| 7. The arm torque tube will be mounted in Four (4) split bearing blocks with four (4) replaceable split bronze bushings with grease provisions. The split bearing blocks will be rigidly welded to the lower front of the body. | <input type="checkbox"/> | <input type="checkbox"/> | |
| 8. Lift arm hydraulics | | | |
| a. The lift arms will be hydraulically actuated by two (2) double acting cylinders 4-1/2" bore x 41-1/2" stroke with a 2-1/2" diameter induction hardened and chrome plated rod. | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. The cylinders will be located outside the body at the body floor level and directly attached to the lift arms. | <input type="checkbox"/> | <input type="checkbox"/> | |
| 9. Container Forks | | | |
| a. <u>Two (2) 1-1/2" x 51" grip high tensile, 50,000 PSI minimum</u> yield forks shall be welded to a 4-1/2' O.D. x 3/8" wall C-1018 Seamless tubing fork cross shaft assembly. This assembly shall include rubber bumpers to reduce impact and prevent damage to containers. | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Fork cross shaft assembly shall be attached to the arms with two- (2) split bearing blocks with replaceable split bronze bushings fitted with grease provisions. | <input type="checkbox"/> | <input type="checkbox"/> | |
| 10. Fork Hydraulics - The forks will be hydraulically actuated by two (2) double acting cylinders, 4" bore x 25" stroke with a 2" diameter induction hardened and chrome plated rod. | <input type="checkbox"/> | <input type="checkbox"/> | |

- | | | | |
|--|--------------------------|--------------------------|-------|
| 11. Forks shall be designed to provide the necessary dump angle to assure complete discharge of materials from the refuse containers. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 12. Lift arms shall be brought to a smooth stop in the raised and lowered position by use of cushioned hydraulic arm cylinders. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 13. Heavy-duty bolt-on hard rubber arms stops located at the side of the body will cushion and prevent over travel of the lift arms. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 14. Maximum height with the lift arms raised in the full up and forks fully tucked position will be 13'6" (based on a chassis rail height of 42"). | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 15. An in-cab-mounted warning light will be provided to indicate when any part of the arms is raised above the body. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |

G. HYDRAULICS

- | | | | |
|---|--------------------------|--------------------------|-------|
| 1. The maximum operating pressure of the system will be 2500 PSI. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 2. The hydraulic pump shall be a front engine, crank driven, Denison single vane pump with electronic over-speed control. The Packer panel operation shall be limited to a flow of 52 GPM at 1500 RPM in neutral or foot on brake. Pump shall comply with specification 219-2303 or equal. PTO Driven pumps are not acceptable. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 3. Pump-to-body hard plumbing shall be provided and shall be securely supported and clamped to prevent vibration, abrasion, and excessive noise. Flex hoses shall be provided at each end of the hard plumbing to provide adequate flexure to prevent hydraulic leaks. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 4. Hydraulic Hoses | | | |
| a. All hydraulic hoses shall conform to S.A.E standards for designed pressure. Bends shall not be more than recommended by S.A.E. standards. Flat Spots in hoses will not be acceptable. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| b. All pressure hoses shall be protected with fabric guard. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5. Hydraulic Oil Reservoir | | | |
| a. The hydraulic oil reservoir shall have a gross capacity of 47 gallons filled with 41 gallons of hydraulic fluid. | <input type="checkbox"/> | <input type="checkbox"/> | _____ |

- b. The tank shall be complete with a screened fill pipe and cap, filter breather, and clean out cover, shut off valve, oil level sight, and temperature gauge. _____
- c. The hydraulic system shall be protected by a three-(3) micron, in tank, return line filter along with a 100 mesh (140 micron) reusable oil strainer in the suction line. _____
- d. The return line filter shall also include an in-cab filter by-pass monitor which shall alert the operator or service personnel when the filter is need of replacement. _____
- e. A hydraulic pump shut down system shall also be included which shall prohibit prolonged operation of the hydraulics when the filter is in the bypass mode. _____
- 6. The main control valve will be a six- (6) section stack valve with relief to prevent overload damage. Valve capacity will be a minimum 50 GPM @ 2500 PSI and designed to properly operate all hydraulic components. _____

H. CONTROLS

- 1. Arm, fork, packer, top door, tailgate raise, and tailgate lock controls shall be provided. Arm and fork movement shall be accomplished by an air over hydraulic, self-centering joystick that returns to the neutral position when released. An arm rest shall be provided for operator comfort. Packer, top door, tailgate raise, and tailgate lock controls shall be air toggle type. All controls shall be located inside the cab within easy access to the driver. A separate in-cab control shall be provided for tailgate lock function. _____
- 2. All controls shall be properly labeled and indicate the direction of travel (i.e., arms up, arms down, etc.) with warning lights to indicate "Tailgate Open", "Top Door Closed" and "Arms Above Transit Position". _____

I. ELECTRICAL

- 1. A PLC (Programmable Logic Controller) electronic controls center shall be provided to monitor system functions and operate the auto pack function. The PLC shall be installed inside the truck cab and shall possess self-diagnosing error codes, which identify the trouble source. Both audio and LED outputs must be made available to aid in locating trouble source. _____
- 2. All electrical wiring connectors to be automotive double-seal, with wiring in split convoluted loom. All wiring connections to be soldered with rubber molded covering

or crimp type connectors with shrink-wrap. Unprotected wiring in any application is unacceptable.

3. All switches not manually operated shall be proximity in type. Mechanical switches are not acceptable.

4. Clearance, back up, and directional lights shall be Lexan lens, shock mounted in a protective housing. The whole unit shall be pop out and replaceable.

5. All lights shall be provided in accordance with FMVSS#108, plus mid body turn signals on each side of the body and a center brake light on the rear.

6. A hopper light illuminating the hopper area shall be provided and controlled by an on/off switch.

J. REAR UNDERRIDE GUARD

1. The body shall be equipped with a rear under-ride guard as standard equipment, to meet Federal Motor Carrier Safety Regulation, 49CFR393.86, TTMA RP No.41-02, and SAE J682, Oct 84.

K. PAINTING

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

2. Second Step – Purgation - A heated pressure wash shall drench the entire body with a silicated alkaline phosphate based pre-cleaner to clean all metal surfaces. This solution shall soak through and break down the oil film and other contaminants found on steel. The solution shall be non-corrosive to metals and shall be environmentally friendly.

3. 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.

4. Fourth Step – Sealing - The entire body shall be coated with an application of the patented Dry-In-Place Seal from Henkel Surface Technologies. This process shall dramatically improve the surface finish's resistance to rusting that occurs from general wear and tear, and shall provide improvements to paint adhesion and other

related corrosion that occurs over the life of the products. This shall help retain the “as new” appearance of the factory paint surface.

5. 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.

6. Sixth Step - Finish Top Coat Paint - A high luster finish coat shall be applied using DuPont Imron 5000 – a high-performance, low VOC (<3.5 lbs/gal RTS) two-component polyurethane enamel. An ample amount shall be applied to achieve a dry film thickness of 2 mil and shall result in a finish of 3.2 mil minimum film thickness.

L. Body Undercoating

1. Body undercoating shall be provided and cover all Surfaces under the body.

M. Option Items To Be Included As Standard:

1. Joystick pattern to be identical to current fleet of trucks.

2. Hopper light to be located inside lower left corner of hopper.

3. Muncie pump Model # MLSM1-40-7CFSL-CCV or equivalent Model Muncie pump to be provided that can operate up to 2000 Rpm's for increased productivity. PTO driven and vane pumps are not acceptable.

4. .Grip strut type material to be included on top body along left side from back to front.

5. Service hoist to be provided for partial raising of body for ease of servicing drive train, transmission, etc.

6. Hydraulic cylinder/cab shield jack to be provided for ease of raising cab shield.

7. Body and chassis to be manufactured in the United States of America.

8. Must provide list of minimum (12) users of body in the States of Ohio and /or Michigan.

9. Delivery time will be consideration in making an award. Bidder to state delivery time at time of bid.

10. Extensive operator / maintenance training to be provided by factory personnel at Lucas County Sanitary Engineer Garage.

11. **Steel Mesh to be provided at front of bulkhead at top and along both sides.**
12. **Peterson strobe light package or equivalent to be provided on tailgate.**
13. **Color Safety Vision rear camera with heated shutter and color flat screen monitor mounted in center windshield inside of cab to be provided.**
14. **Rear side body flood lights to activate when truck is put into reverse.**
15. **LED light package for entire body to be included as standard.**
16. **During warranty period, if excessive downtime occurs, Distributor to provide loaner vehicle at no charge to Lucas County. Excessive downtime to be considered anything longer than (1) week.**

N. Packer Warranty:

1. All warranties must meet industry standards and the following minimum coverage one year 100% parts and labor coverage.
2. Bidder to list optional extended warranties on bid form page, additional years each option adds to warranty, and terms, conditions and cost of each.

O. Packer Literature/Manuals/Factory Computer Printouts

2. Successful bidder to submit all available printed literature on packer body.
3. Successful bidder to furnish (2) complete sets of packer body parts and service manuals including all wiring schematics with unit upon delivery.
4. Successful bidder must furnish a copy of factory line setting ticket upon delivery.

Delivery to Lucas County Solid Waste Management District:

Bidder to state on bid form number of calendar days for delivery of completed unit to Lucas County Sanitary Engineer Garage, 1111 S. McCord Road, Holland, Ohio 43528

VEHICLE REQUEST

PURCHASE OF TWO (2) 2015 OR NEWER MACK TRUCK CAB OVER MRU 613 WITH ONE 44 CUBIC YARD HEIL HALF/PACK FULL EJECT FRONT LOADER BODY (OR EQUIVALENT) WITH THE POSSIBLE TRADE-IN OF ONE (1) CURRENT RECYCLING TRUCK FOR THE LUCAS COUNTY SOLID WASTE MANAGEMENT DISTRICT

Per attached specifications:

Make _____ **Model** _____ **Year** _____

Price Per Vehicle \$ _____

Total Price (2 VEHICLES) \$ _____

Trade-In:

2006 Mack MR688S VIN #1M2K195C76M033572 \$ _____

GRAND TOTAL INCLUDING TRADE-IN \$ _____

Bid must include all applicable title and registration.

County will insure vehicle and provide license plate.

NUMBER OF DAYS FOR DELIVERY AFTER PURCHASE ORDER IS ISSUED _____.

SECTION C -EXCEPTION AND ADDITIONAL RESPONSE AREA

ADDITIONAL RESPONSE AREA

IMPORTANT NOTE

Due to heightened security at One Government Center, if your bid is to be delivered to the bid-opening site by other than US Mail, UPS or Federal Express, **you must complete, print and attach this label to the front of the container holding your document. Note: Upon entering One Government Center, you will be required to show a photo ID.**

Formal bid to: Lucas County Support Services
One Government Center, Suite 480
Toledo OH 43604-2247

Item for bid _____

Invitation to Bid No. or Request for Proposal No. _____

Date of Bid Opening _____

Bid Opening Time _____

Vendor Name _____