

INVITATION TO BID

BID NO. 21-0052-6

PURCHASE OF ONE (1) NEW SEWER VAC TRUCK FOR CHATHAM COUNTY FLEET

PRE-BID CONFERENCE (AUDIO AVAILABILITY ONLY):
11:00AM, APRIL 15, 2021

BID OPENING: 2:00PM, APRIL 23, 2021

THE COMMISSIONERS OF CHATHAM COUNTY, GEORGIA

CHESTER A. ELLIS, CHAIRMAN

COMMISSIONER HELEN L. STONE

COMMISSIONER LARRY RIVERS

COMMISSIONER BOBBY LOCKETT

COMMISSIONER PATRICK J. FARRELL

COMMISSIONER TANYA MILTON

COMMISSIONER AARON R. WHITELY

COMMISSIONER DEAN KICKLIGHTER

COMMISSIONER KENNETH A. ADAMS

JONATHAN R. HART, COUNTY ATTORNEY

CHATHAM COUNTY, GEORGIA

DOCUMENT CHECK LIST

The following documents, when marked, are contained in and made a part of this Bid Package or are required to be submitted with the bid. It is the responsibility of the bidder to read, complete and sign, where indicated, and return these documents with his/her bid. **FAILURE TO DO SO MAY BE CAUSE FOR DISQUALIFYING THE BID.**

GENERAL INFORMATION AND INSTRUCTIONS TO BID WITH ATTACHMENTS

SURETY REQUIREMENTS (a Bid Bond of 5% with this ITB)

PROPOSAL

PLANS/DRAWINGS

BID SCHEDULE

PERFORMANCE BOND – **Required at the time of contract.**

PAYMENT BOND – **Required at the time of contract.**

CONTRACT

LEGAL NOTICE

ATTACHMENTS: A. DRUG FREE WORKPLACE; B. NONDISCRIMINATION STATEMENT; C. DISCLOSURE OF RESPONSIBILITY STATEMENT; D. CONTRACTOR & SUBCONTRACTOR AFFIDAVIT AND AGREEMENT E. BIDDER'S CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION; F. M/WBE COMPLIANCE REPORT; G. SAVE AFFIDAVIT.

COUNTY TAX CERTIFICATE REQUIREMENT - Contractor must supply a copy of their Tax Certificate from their location in the State of Georgia, as proof of payment of the occupational tax where their office is located.

CURRENT TAX CERTIFICATE NUMBER
CITY _____
COUNTY _____
OTHER _____

The Chatham County Board of Commissioners have established goals to increase participation of minority and woman owned businesses. In order to accurately document participation, businesses submitting bids or proposals are encouraged to report ownership status. A minority or woman owned business is defined as a business with at least 51% ownership by one or more minority/female individuals and whose daily business operations are managed and directed by one (1) or more of the minority/female owners. Please check ownership status as applicable:

African-American _____ Asian American _____ Hispanic _____

Native American or Alaskan Indian _____ Woman _____

In the award of a Competitive Sealed Proposals, minority/female participation may be one of several evaluation criteria used in the award process when specified as such in the Request for Proposal.

RECEIPT IS HEREBY ACKNOWLEDGED OF ADDENDA NUMBER(S) _____

The undersigned bidder certifies that he/she has received the above listed and marked documents and acknowledges that his/her failure to return each, completed and signed as required, may be cause for disqualifying his/her bid.

BY: _____
DATE

SIGNATURE

TITLE: _____

COMPANY: _____

CHATHAM COUNTY, GEORGIA
OFFICE OF THE PURCHASING DIRECTOR
1117 EISENHOWER DRIVE, SUITE C
SAVANNAH, GEORGIA 31406
(912) 790-1623

Date: April 01, 2021

BID NO. 21-0052-6

GENERAL INFORMATION FOR INVITATION FOR BID

This is an invitation to submit a bid to supply Chatham County with construction, equipment, supplies and/or services as indicated herein. Sealed bids will be received at the Office of the Purchasing Agent, **at The Chatham County Citizens Service Center, 1117 Eisenhower Drive, Suite C, Savannah, Georgia 31406 up to 2:00P.M., April 23, 2021.** Purchasing will open bids **at the designated time and bidders may listen to the opening via conference call at 1-888-585-9008, conference room code 743-636-882. The County reserves the right to reject all bids that are non-responsive or not responsible.**

Instructions for preparation and submission of a bid are contained in this Invitation for Bid package. Please note that specific forms for submission of a bid are required. Bids must be typed or printed in ink.

A **Pre-bid Conference** has been scheduled for **April 15, 2021, at 11:00 A.M.** Participants may attend by calling **1-888-585-9008, conference room code 743-636-882**, to discuss the specifications and resolve any questions and/or misunderstanding that may arise. Bidders attending remotely are asked to mute phones when not speaking, in consideration of others. **You are encouraged to attend.**

Direct any questions related to this bid in writing to Ms. Lynn Strickland, Procurement Specialist. Include the bid number, page, and paragraph number as a reference to each question. If you choose to mail your questions, do not place the bid number on the outside of the envelope. ***DEADLINE FOR ALL QUESTIONS IS one week prior to due date.*** All questions shall be delivered by hand, mail, and fax or e-mailed as follows:

Chatham County Purchasing and Contracting
Attn: Lynn Strickland, Procurement Specialist
1117 Eisenhower Drive, Suite C, Savannah, GA 31406
(912) 790-1627 (FAX)
lstrickland@chathamcounty.org

Any changes to the conditions and specifications must be in the form of a written addendum to be valid; therefore, the Purchasing Director will issue a written addendum to document each approved change. Generally, when addenda are required, the bid opening date will be changed.

Chatham County has an equal opportunity purchasing policy. Chatham County seeks to ensure that all segments of the business community have access to supplying the goods and services needed by County programs. The County affirmatively works to encourage utilization of disadvantaged and minority business enterprises in our procurement activities. The County provides equal opportunity for all businesses and does not discriminate against any persons or businesses regardless of race, color, religion, age, sex, national origin or handicap. The terms "disadvantaged business," "minority business enterprise," and "minority person" are more specifically defined and explained in the Chatham County Purchasing Ordinance Part 11 Local, Small, Minority and Woman Owned Business Enterprise Program.

This project IS NOT a Special Purpose Local Option Sales Tax (SPLOST) Project. See paragraph 2.20 for M/WBE participation goals.

**SECTION I
INSTRUCTIONS TO BIDDERS**

1.1 **Purpose:** The purpose of this document is to provide general and specific information for use in submitting a bid to supply Chatham County with equipment, supplies, and/or services as described herein. All bids are governed by the Code of Chatham County, Chapter 4, Article IV, and the laws of the State of Georgia.

1.2 **How to Prepare Bids:** All bids shall be:

- a. Prepared on the forms enclosed herewith, unless otherwise prescribed, and **all documents must be submitted.**
- b. Typewritten or completed with pen and ink, signed by the business owner or authorized representative, with all erasures or corrections initialed and dated by the official signing the bid. **ALL SIGNATURE SPACES MUST BE SIGNED.**

Bidders are encouraged to review carefully all provisions and attachments of this document prior to submission. Each bid constitutes an offer and may not be withdrawn except as provided herein.

1.3 **How to Submit Bids:** All bids shall be:

- a. **One (1) original and one (1) duplicate copy must be submitted in a sealed opaque envelope, plainly marked with the bid number and title, date and time of bid opening, and company name.**
- b. Mailed or delivered as follows in sufficient time to ensure receipt by the Purchasing Director on or before the time and date specified above.

**Chatham County Purchasing and Contracting
Purchasing Director
1117 Eisenhower Drive
Suite C
Savannah, Georgia 31406.**

BIDS NOT RECEIVED BY THE TIME AND DATE SPECIFIED WILL NOT BE OPENED OR CONSIDERED.

1.4 **How to Submit an Objection:** Objections from bidders to this invitation to bid and/or these specifications should be brought to the attention of the County Purchasing Director in the following manner:

- a. When a pre-bid conference is scheduled, bidders shall either present their

oral objections at that time or submit their written objections at least two (2) days prior to the scheduled pre-bid conference.

- b. When a pre-bid conference is not scheduled, the bidder shall submit any objections he may have in writing not less than five (5) days prior to the opening of the bid.
- c. The objections contemplated may pertain to form and/or substance of the invitation to bid documents. Failure to object in accordance with the above procedure will constitute a waiver on the part of the business to protest this invitation to bid.

- 1.5 **Errors in Bids:** Bidders or their authorized representatives are expected to fully inform themselves as to the conditions, requirements, and specifications before submitting bids. Failure to do so will be at the bidder's own risk. In case of error in extension of prices in the bid, the unit price will govern.
- 1.6 **Standards for Acceptance of Bid for Contract Award:** The County reserves the right to reject any or all bids and to waive any irregularities or technicalities in bids received whenever such rejection or waiver is in the best interest of the County. The County reserves the right to reject the bid of a bidder who has previously failed to perform properly or complete on time contracts of a similar nature, or a bid from a bidder whom investigation shows is not in a position to perform the contract.
- 1.7 **Bid Tabulation:** Tabulations for all bids will be posted in the Office of Purchasing and Contracting, 1117 Eisenhower Drive, Suite C, Savannah, Georgia 31406 or can be reviewed on the Purchasing web site 24/48 hours after opening at <http://purchasing.chathamcounty.org>.
- 1.8 **Bidder:** Whenever the term "bidder" is used it shall encompass the "person," "business," "contractor," "supplier," "vendor," or other party submitting a bid or proposal to Chatham County in such capacity before a contract has been entered into between such party and the County.
- 1.9 **Responsible / Responsive Bidder:** *Responsible Bidder* means a person or entity that has the capability in all respects to perform fully and reliably the contract requirements. *Responsive Bidder* means a person or entity that has submitted a bid or proposal that conforms in all material respects to the requirements set forth in the invitation for bids or request for proposals.
- 1.10 **Compliance with Laws:** The bidder and/or contractor shall obtain and maintain all

licenses, permits, liability insurance, workman's compensation insurance and comply with any and all other standards or regulations required by federal, state or County statute, ordinances and rules during the performance of any contract between the contractor and the County. Any such requirement specifically set forth in any contract document between the contractor and the County shall be supplementary to this section and not in substitution thereof.

- 1.11 **Contractor:** Contractor or subcontractor means any person or business having a contract with Chatham County. The Contractor/Vendor of goods, material, equipment or services certifies that they will follow equal employment opportunity practices in connection with the awarded contract as more fully specified in the contract documents.
- 1.12 **Local Preference:** On 27 March 1998, the Board of Commissioners adopted a Local Vendor Preference Ordinance. This Ordinance does not apply to construction contracts. However, contractors are encouraged to apply the same method when awarding bids to local and local M/WBE businesses whenever possible in order to promote growth in Chatham County's economy. **NOTE: Local Preference does not apply to Public Works Construction contracts.**
- 1.13 **Debarred Firms and Pending Litigation:** Any potential proposer/firm listed on the Federal or State of Georgia Excluded Parties Listing (Barred from doing business) **will not** be considered for contract award. Proposers shall **disclose any** record of pending criminal violations (Indictment) and/or convictions, pending lawsuits, etc., and any actions that may be a conflict of interest occurring within the past five (5) years. Any proposer/firm previously defaulting or terminating a contract with the County will not be considered.

** All bidders or proposers are to read and complete the Disclosure of Responsibility Statement enclosed as an Attachment to be returned with response. Failure to do so may result in your solicitation response being rejected as non-responsive.

Bidder acknowledges that in performing contract work for the Board, bidder shall not utilize any firms that have been a party to any of the above actions. If bidder has engaged any firm to work on this contract or project that is later debarred, Bidder shall sever its relationship with that firm with respect to the Board contract.

- 1.14 **Performance Evaluation:** On 11 April 2008, the Chatham County Board of Commissioners approved a change to the County Purchasing Ordinance requiring Contractor/Consultant Performance Evaluations, at a minimum, annually, prior to contract anniversary date. Should Contractor/Consultant performance be unsatisfactory, the appointed County Project Manager for the contract may prepare a Contractor/Consultant Complaint Form or a Performance Evaluation to the County Purchasing Agent.
- 1.15 **Payment of Taxes:** No contract shall be awarded unless all real and personal property taxes have been paid by the successful contractor and/or subcontractors as adopted by the

Board of Commissioners on 8 April 1994.

- 1.16 **Immigration:** On 1 July 2008, the Georgia Security and Immigration Compliance Act (SB 529, Section 2) became effective. Contractors and subcontractors entering into a contract or performing work must sign an affidavit that he/she has used the E-Verify System. E-Verify is a no-cost federal employment verification system to insure employment eligibility. Affidavits are enclosed in this solicitation. You may download M-274 Handbook for Employers at. You may go to <http://www.uscis.gov> to find the E-Verify information.

Protection of Resident Workers: Chatham County Board of Commissioners actively supports the Immigration and Nationality Act (IN) which includes provisions addressing employment eligibility, employment verification, and nondiscrimination. Under the IN, employers may hire only persons who may legally work in the United States (i.e., citizens and nationals of the U.S.) and aliens authorized to work in the U.S. The employer must verify the identity and employment eligibility of anyone to be hired, which includes completing the Employment Eligibility Verification Form (I-9). The Contractor shall establish appropriate procedures and controls so no services or products under the Contract Documents will be performed or manufactured by any worker who is not legally eligible to perform such services or employment.

- 1.17 **Surcharge:** Unless otherwise stated in this bid, all prices quoted by the contractor/vendor must be F.O.B. Chatham County, Savannah, GA. with all delivery handling, surcharges, and other charges included in the bid price. Failure to do so may cause rejection of the bid. The County will not pay additional surcharges.

SECTION II GENERAL TERMS, CONDITIONS AND EXCEPTIONS

- 2.1 **Specifications:** Any obvious error or omission in specifications shall not inure to the benefit of the bidder but shall put the bidder on notice to inquire of or identify the same from the County. Whenever herein mentioned is made of any article, material or workmanship to be in accordance with laws, ordinances, building codes, underwriter's codes, ASTM regulations or similar expressions, the requirements of these laws, ordinances, etc., shall be construed to be the minimum requirements of these specifications.
- 2.2 **Multiple Bids:** No vendor will be allowed to submit more than one (1) bid. Any alternate proposals must be brought to the Purchasing Agent's attention during the Pre-bid Conference or submitted in writing at least five (5) days preceding the bid opening date.
- 2.3 **Prices to be Firm:** Bidder warrants that bid prices, terms and conditions quoted in his bid will be firm for acceptance for a period of sixty (60) days from bid opening date, unless otherwise stated in the bid.
- 2.4 **Completeness:** All information required by Invitation for Bids/Proposals must be

completed and submitted to constitute a proper bid or proposal.

- 2.5 **Quality:** All materials, or supplies used for the construction necessary to comply with this proposal shall be of the best quality, and of the highest standard of workmanship. Workmanship employed in any construction, repair, or installation required by this proposal shall be of the highest quality and meet recognized standards within the respective trades, crafts and of the skills employed.
- 2.6 **Guarantee:** Unless otherwise specified by the County, the bidder shall unconditionally guarantee the materials and workmanship on all material and/or services. If, within the guarantee period, any defects occur which are due to faulty material and or services, the contractor at his expense, shall repair or adjust the condition, or replace the material and/or services to the complete satisfaction of the County. These repairs, replacements or adjustments shall be made only at such time as will be designated by the County as being least detrimental to the operation of County business.
- 2.7 **Liability Provisions:** Where bidders are required to enter or go onto Chatham County property to take measurements or gather other information in order to prepare the bid or proposal as requested by the County, the bidder shall be liable for any injury, damage or loss occasioned by negligence of the bidder, his agent, or any person the bidder has designated to prepare the bid and shall indemnify and hold harmless Chatham County from any liability arising therefrom. The contract document specifies the liability provisions required of the successful bidder in order to be awarded a contract with Chatham County.
- 2.8 **Cancellation of Contract:** The contract may be canceled or suspended by Chatham County in whole or in part by written notice of default to the Contractor upon non-performance or violation of contract terms. An award may be made to the next low bidder, for articles and/or services specified or they may be purchased on the open market and the defaulting Contractor (or his surety) shall be liable to Chatham County for costs to the County in excess of the defaulted contract prices. See the contract documents for complete requirements.
- 2.9 **Patent Indemnity:** Except as otherwise provided, the successful bidder agrees to indemnify Chatham County and its officers, agents and employees against liability, including costs and expenses for infringement upon any letters patent of the United States arising out of the performance of this Contract or out of the use or disposal for the account of the County of supplies furnished or construction work performed hereunder.
- 2.10 **Certification of Independent Price Determination:** By submission of this bid, the bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, that in connection with this procurement:
- (1) The prices in this bid have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;

- (2) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly to any other bidder or to any competitor; and
 - (3) No attempt has been made or will be made by the bidder to induce any other person or firm to submit or not submit a bid for the purpose or restricting competition.
- 2.11 **Award of Contract:** The contract, if awarded, will be awarded to that responsible bidder whose bid/proposal will be most advantageous to Chatham County, price and other factors considered. The Board of Commissioners will make the find.
- 2.12 **Procurement Protests:** Objections and protests to any portion of the procurement process or actions of the County staff may be filed with the Purchasing Agent for review and resolution. The Chatham County Purchasing Ordinance, Part 9 - Vendor Disputes.
- 2.13 **Qualification of Business (Responsible Bidder or Proposer):** A responsible bidder or proposer is defined as one who meets, or by the date of the bid acceptance can meet all requirements for licensing, insurance, and registrations.

Chatham County has the right to disqualify the bid or proposal of any bidder or proposer as being unresponsive or irresponsible whenever such bidder/proposer cannot document the ability to deliver the requested product.

- 2.14 **Chatham County Tax Certificate Requirement:** A current Chatham County Tax Certificate is required of the successful bidder unless otherwise specified. Please contact the Building Safety and Regulatory Services at (912) 201-4300 for additional information.

NOTE: No contract shall be awarded unless all real and personal property taxes have been paid by the successful contractor and/or subcontractors as adopted by the Board of Commissioners on 8 April 1994.

- 2.15 **Insurance Provisions, General:** The selected contractor shall be required to procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors. The cost of such insurance shall be included in the Bid.

It is every contractor's responsibility to provide the County Purchasing and Contracting Division current and up-to-date Certificates of Insurance for multiple year contracts before the end of each term. Failure to do so may be cause for termination of contract.

2.15.1 General Information that shall appear on a Certificate of Insurance:

- Name of the Producer (Contractor's insurance Broker/Agent). Companies affording coverage (there may be several).
- Name and Address of the Insured (this should be the Company or Parent of the firm Chatham County is contracting with).
- A Summary of all current insurance for the insured (includes effective dates of coverage).
- A brief description of the operations to be performed, the specific job to be performed, or contract number.
- Certificate Holder (This is to always include Chatham County).

Chatham County as an Additional Insured: Chatham County invokes the defense of sovereign immunity. In order not to jeopardize the use of this defense, the County **is not** to be included as an Additional Insured on insurance contracts.

2.15.2 **Minimum Limits of Insurance** to be maintained for the duration of the contract:

- a. **Commercial General Liability:** Provides protection against bodily injury and property damage claims arising from operations of a Contractor or Tenant. This policy coverage includes: premises and operations, use of independent contractors, products/completed operations, personal injury, contractual, broad form property damage, and underground, explosion and collapse hazards. Minimum limits: \$1,000,000 bodily injury and property damage per occurrence and annual aggregate.
- b. **Worker's Compensation and Employer's Liability:** Provides statutory protection against bodily injury, sickness or disease sustained by employees of the Contractor while performing within the scope of their duties. Employer's Liability coverage is usually included in Worker's Compensation policies, and insures common law claims of injured employees made in lieu of or in addition to a Worker's Compensation claim. Minimum limits: \$500,000 for each accident, disease policy limit, disease each employee and Statutory Worker's Compensation limit.
- c. **Business Automobile Liability:** Coverage insures against liability claims arising out of the Contractor's use of automobiles. Minimum limit: \$1,000,000 combined single limit per accident for bodily injury and property damage. Coverage should be written on an Any Auto basis.

2.15.3 Special Requirements:

- a. **Claims-Made Coverage:** The limits of liability shall remain the same as the occurrence basis, however, the Retroactive date shall be prior to the coincident with the date of any contract, and the Certificate of Insurance shall state the coverage is claims-made. The Retroactive date shall also be specifically stated on the Certificate of Insurance.
- b. **Extended Reporting Periods:** The Contractor shall provide the County with a notice of the election to initiate any Supplemental Extended Reporting Period and the reason(s) for invoking this option.
- c. **Reporting Provisions:** Any failure to comply with reporting provisions of the policies shall not affect coverage provided in relation to this request.
- d. **Cancellation:** Each insurance policy that applies to this request shall be endorsed to state that it shall not be suspended, voided, or canceled, except after thirty (30) days prior to written notice by certified mail, return receipt requested, has been given to the County.
- e. **Proof of Insurance:** Chatham County shall be furnished with certificates of insurance and with original endorsements affecting coverage required by this request. The certificates and endorsements are to be signed by a person authorized by the insurer to bind coverage on its behalf. All certificates of insurance are to be submitted prior to, and approved by, the County before services are rendered. The Contractor must ensure Certificate of Insurance is updated for the entire term of the Contract.
- f. **Insurer Acceptability:** Insurance is to be placed with an insurer having an A.M. Best's rating of A and a five (5) year average financial rating of not less than V. If an insurer does not qualify for averaging on a five year basis, the current total Best's rating will be used to evaluate insurer acceptability.
- g. **Lapse in Coverage:** A lapse in coverage shall constitute grounds for contract termination by the Chatham County Board of Commissioners.
- h. **Deductibles and Self-Insured Retention:** Any deductibles or self-insured retention must be declared to, and approved by, the County. At the option of the County, either: the insurer shall reduce or eliminate such deductibles or self-insured retention as related to the County, its officials, officers, employees, and volunteers; or the Contractor shall procure a bond guaranteeing payment of related suits, losses, claims, and related investigation, claim administration and defense expenses.

- 2.16 **Compliance with Specification - Terms and Conditions:** The Invitation to Bid, Legal Advertisement, General Conditions and Instructions to Bidders, Specifications, Special Conditions, Vendor's Bid, Addendum, and/or any other pertinent documents form a part of the bidders proposal or bid and by reference are made a part hereof.
- 2.17 **Signed Bid Considered Offer:** The signed bid shall be considered an offer on the part of the bidder, which offer shall be deemed accepted upon approval by the Chatham County Board of Commissioners, Purchasing Director or her designee. In case of a default on the part of the bidder after such acceptance, Chatham County may take such action as it deems appropriate, including legal action for damages or lack of required performance.
- 2.18 **Notice to Proceed:** The successful bidder or proposer shall not commence work under this Invitation to Bid until a written contract is awarded and a Notice to Proceed is issued by the Purchasing Director or her designee. If the successful bidder does commence any work or deliver items prior to receiving official notification, he does so at his own risk.
- 2.19 **Payment to Contractors:** Instructions for invoicing the County for products delivered to the County are specified in the contract document.
- a. Questions regarding payment may be directed to the Finance Department at (912) 652-7900 or the County's Project Manager as specified in the contract documents.
 - b. Contractors will be paid the agreed upon compensation upon satisfactory delivery of the products or completion of the work as more fully described in the contract document.
 - c. Upon completion of the work or delivery of the products, the Contractor will provide the County with an affidavit certifying all suppliers, persons or businesses employed by the Contractor for the work performed for the County have been paid in full.
 - d. Chatham County is a tax exempt entity. Every contractor, vendor, business or person under contract with Chatham County is required by Georgia law to pay State sales or use taxes for products purchased in Georgia or transported into Georgia and sold to Chatham County by contract. Please consult the State of Georgia, Department of Revenue, Sales and Use Tax Unit in Atlanta (404) 656-4065 for additional information.
- 2.20 The Chatham County Board of Commissioners has adopted an aggressive program that establishes goals for minority/woman, small and disadvantaged business participation in construction, professional services, and general procurement.

- a. The Chatham County Board of Commissioners under Georgia law may reject any bid as non-responsive if they feel a bidder did not exercise Good Faith Effort in obtaining the goal established for M/WBE participation.
- b. The Chatham County Board of Commissioners adopted a policy establishing goals oriented to increase participation of minority and female owned businesses, through M/WBE certification and development. In order to accurately document participation, businesses submitting bids, quotes or proposals are encouraged to report ownership status. A bidder or vendor that is certified by any agency of the Federal Government or State of Georgia may submit a copy of their certification with their bid as proof of qualifications. Bidders that intend to engage in joint ventures or utilize subcontractors must submit to the County Contracts Administrator, a report on Minority/Female Business Enterprise participation.

Goals established for this project is 12% MBE/ 5% WBE.

- c. A Minority/Female Business Enterprise (M/WBE) is a business concern that is at least 51% owned by one or more minority/female individuals and whose daily business operations are managed and directed by one (1) or more of the minority/female owners.

2.21 Bidders or proposers are required to make a **Good Faith Effort**, where subcontracting is to be utilized in performing the contract, to subcontract with or purchase supplies from qualified M/WBE's. Bidders or proposers are required to state if they intend to subcontract any part of the work. Goals will be established for each contract at the onset. **Forms** requiring the signatures of bidders or proposers are enclosed as **Attachments** and must be completed and returned with your bid response. If forms are not completed and submitted, the bid may be considered nonresponsive.

Each bidder or proposer is required to maintain records of such efforts in detail adequate to permit a determination of compliance with these requirements. All contracts will reflect **Good Faith Efforts** and reporting requirements for the term of the contract. The County particularly urges general contractors to give emphasis to subcontracting with local area firms.

For information on the program or M/WBE contractors/vendors please contact Connell Heyward, Chatham County Minority and Women Business Coordinator, 1117 Eisenhower Drive, Suite 101, Savannah, Georgia 31406, (912) 652-7828 phone.

2.22 **GEORGIA OPEN RECORDS ACT** - The responses will become part of the County's official files without any obligation on the County's part. Ownership of all data, materials and documentation prepared for and submitted to Chatham County in response to a solicitation, regardless of type, shall belong exclusively to Chatham County and will be

considered a record prepared and maintained or received in the course of operations of a public office or agency and subject to public inspection in accordance with the Georgia Open Records Act, Official Code of Georgia Annotated, Section 50-18-70, et. Seq., unless otherwise provided by law.

Responses to RFP's shall be held confidential from all parties other than the County until after the contract is awarded by the Board of Commissioners. The vendor and their bid price in response to the ITB will be read aloud at public bid openings. After Bid Tabulations, the ITB shall be available for public viewing.

Chatham County shall not be held accountable if material from responses is obtained without the written consent of the vendor by parties other than the County, at any time during the solicitation evaluation process.

- 2.23 **GEORGIA TRADE SECRET ACT of 1990** - In the event a Bidder/Proposer submits trade secret information to the County, the information must be clearly labeled as a Trade Secret. The County will maintain the confidentiality of such trade secrets to the extent provided by law.
- 2.24 **CONTRACTOR RECORDS** -The Georgia Open Records Act is applicable to the records of all contractors and subcontractors under contract with the County. This applies to those specific contracts currently in effect and those which have been completed or closed for up to three (3) years following completion. Again, this is contract specific to the County contracts only.
- 2.25 **EXCEPTIONS**-All proceedings, records, contracts and other public records relating to procurement transactions shall be open to the inspection of any citizen, or any interested person, firm or corporation, in accordance with the Georgia Open Records Act except as provided below:
- a. Cost estimates relating to a proposed procurement transaction prepared by or for a public body shall not be open to public inspection.
 - b. Any competitive sealed bidding bidder, upon request, shall be afforded the opportunity to inspect bid records within a reasonable time after the opening of all bids but prior to award, except in the event that the County decides not to accept any of the bids and to rebid the contract. Otherwise, bid records shall be open to public inspection only after award of the contract. Any competitive negotiation offer or, upon request, shall be afforded the opportunity to inspect proposal records within a reasonable time after the evaluation and negotiations of proposals are completed but prior to award except in the event that the County decides not to accept any of the proposals and to reopen the contract. Otherwise, proposal records shall be open to the public inspection only after award of the contract except

as provided in paragraph "c" below. Any inspection of procurement transaction records under this section shall be subject to reasonable restrictions to ensure the security and integrity of the records.

- c. Trade secrets or proprietary information submitted by a bidder, offer or contractor in connection with a procurement transaction shall not be subject to public disclosure under the Georgia Open Records Act; however, the bidder, offer or contractor must invoke the protections of this section prior to or upon submission of the data or other materials, and must identify the data or other materials to be protected and state the reasons why protection is necessary.
- d. Nothing contained in this section shall be construed to require the County, when procuring by "competitive negotiation" (Request for Proposal), to furnish a statement of the reasons why a particular proposal was not deemed to be the most advantageous to the County.

SECTION III ADDITIONAL CONDITIONS

3.1 AUDITS AND INSPECTIONS:

At any time during normal business hours and as often as the County may deem necessary, the Contractor and his subcontractors shall make available to the County and/or representatives of the Chatham County Department of Internal Audit for examination all of its records with respect to all matters covered by this Contract. It shall also permit the County and/or representatives of the Department of Internal Audit to audit, inspect, examine and make copies, excerpts or transcripts from such records of personnel, conditions of employment and other data relating to all matters covered by this Contract. All documents to be audited shall be available for inspection at all reasonable times in the main offices of the County or at the offices of the Contractor as requested by the County.

3.2 WARRANTY REQUIREMENTS:

- a. Provisions of item 2.7 apply.
- b. Warranty required.
 - 1. Standard warranty shall be offered with bid.
 - X 2. Extended warranty shall be offered with bid. The cost of the extended warranty will be listed separately on the bid sheet.

3.3 TERMS OF CONTRACT: (check where applicable):

- a. Annual Contract (With renewal options for four (4) additional one (1) year terms if all parties agree)
- X b. One-time Purchase
- c. Other **ONE TIME CONTRACT**

CONVERSATIONS OR CORRESPONDENCE REGARDING THIS SOLICITATION OR REPORT BETWEEN PROSPECTIVE OFFERORS AND PERSONS OUTSIDE THE CHATHAM COUNTY PURCHASING OFFICE WILL NOT BE CONSIDERED OFFICIAL OR BINDING UNLESS OTHERWISE SPECIFICALLY AUTHORIZED WITHIN THIS DOCUMENT.

The undersigned bidder or proposer certifies that he/she has carefully read the preceding list of instructions to bidders and all other data applicable hereto and made a part of this invitation; and, further certifies that the prices shown in his/her bid/proposal are in accordance with all documents contained in this Invitation for Bids/ Proposals package, and that any exception taken thereto may disqualify his/her bid/proposal.

This is to certify that I, the undersigned bidder, have read the instructions to bidder and agree to be bound by the provisions of the same.

This _____ day of _____ 20 ____.

BY _____

SIGNATURE

TITLE

COMPANY

Phone / Fax No

SECTION IV

SPECIFICATIONS FOR

BID NO. 21-0052-6

PURCHASE OF ONE (1) NEW SEWER VAC TRUCK FOR CHATHAM COUNTY FLEET

4.1 GENERAL SPECIFICATIONS:

The purpose of these specifications is to describe the requirements for the purchase of one (1) new sewer vac truck for Chatham County Fleet. Pictured literature and manufacturer specifications are to be provided establishing the fact that the equipment meets or exceeds these standards. The specifications herein shall be construed as the minimum acceptable standards. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the equipment offered for bid shall include all standard manufacturer's equipment.

The equipment described herein shall be utilized for the purpose of simultaneous high pressure hydraulic flushing of sanitary and storm drain sewer pipes and removal of liquids and solids from the manhole by use of vacuum generated by a positive displacement dual lobe blower. All operations shall be able to be performed by one operator. All materials from the man-hole shall be deposited within one cylindrical debris tank. The entire unit is to be of a single engine design. The chassis engine is to power all functions of the combination unit. Units utilizing additional engines and fan type vacuum air movement are unacceptable due to weight, fuel costs, emissions, and maintenance cost.

Bidder must have dealer within Chatham County for service and parts. 36 month /3000 hrs. maintenance and whole unit warranty on-site which should have travel time and deductible included. The units, as specified shall be completely assembled, mounted, and adjusted with all equipment installed and ready for continuous operation upon delivery to Chatham County. A one (1) day training of operators will be scheduled upon delivery of equipment at County's leisure.

Bid award will be based on the lowest unit price and may be contingent on delivery. All equipment will be new and never titled. No bids from brokers or re-sellers will be considered. Project Manager will be Calvin Turner in the Chatham County Fleet Department. For additional information concerning specifications, please contact Mrs. Lynn Strickland, Procurement Specialist, at (912) 790-1621 or lstrickland@chathamcounty.org. Bidders are not to contact any department directly.

4.2 DETAILED SPECIFICATIONS FOR NEW SEWER VAC TRUCK:

If meeting or exceeding specifications check **YES**, and if exceptions are taken check **NO**. Any exceptions must be detailed on a separate itemized sheet with bid. Specifications associated with exceptions must also be submitted to include pictured literature and the manufacturer specifications.

THE FOLLOWING ARE MINIMUM SPECIFICATIONS THAT WILL BE REQUIRED

	CHASSIS SPECIFICATIONS:	YES	NO
4.2.1	Regular conventional cab with 30/70 front seat, driver’s seat air ride suspension, passenger non suspension. Vinyl.		
4.2.2	Multi-piece hood allowing fenders to be replaced, independent of hood.		
4.2.3	Top of cowl at the base of the windshield, shall be fitted with a removable cover, so as not to interfere with a removable cover, so as not to interfere with windshield wipers, and keep debris from accumulating in the cowl tray		
4.2.4	Electrical wipers with intermittent speeds and washer, wipers shall automatically go to slowest intermittent speed when the parking brake is set and wipers left on for a predetermined time.		
4.2.5	Full instrumentation to include tachometer, speedometer, oil pressure, coolant temperature, voltmeter, fuel gauge, and dual air pressure gauges.		
4.2.6	Bright white, backlit cab switches shall be laser etched for long life readability, with "text" on top, and ISO symbol on bottom of switch. The color of the integrated warning lights on the switches shall be programmable as; Green for “ON”, Slow Flash "Yellow" to indicate an interlock has not been met, and flash "RED" to indicate system failure.		
4.2.7	Vehicle shall be equipped with Manual reset circuit breakers on all circuits over 5 AMPS where possible, except headlight and wiper motor circuits, which shall be protected using continuous reset circuit breakers to allow continued operation during momentary overload for trouble shooting convenience and circuit protection.		
4.2.8	Electrical Fuse/Circuit Breaker Panel (NO TOOLS NEEDED FOR ACCESS) shall be located inside the cab to prevent exposure to corrosive elements.		

	CHASSIS SPECIFICATIONS:	YES	NO
4.2.9	The vehicle shall have an exterior light test system to aid driver with Pre-trip inspections. Engaging light inspections switch will sequentially flash all exterior vehicle lights, except back up lights while operator completes safety inspection.		
4.2.10	Dual Aero pedestal type mirrors 6.5" x 14" flat glass including 6.5" x 6" convex both sides for 102" load width, breakaway type, power both sides, heated, with convex both sides, hood mounted convex mirrors, left and right side, 7.5" sq.		
4.2.11	Mirror, convex, look down right side, black, 6" x 10.5"		
4.2.12	Air conditioning and heater with HVAC fresh air filter.		
4.2.13	HVAC controls will have a MAX Defrost Mode. When activated, the blower settings will go to full hot maximum quick defrost allowing operator to get vehicle on the road quickly.		
4.2.14	AM/FM/Weatherband/Bluetooth/USB Input/3MM Auxiliary Input/with multiple speakers stereo		
4.2.15	Radio controls on steering wheel must be bright white, backlight Audio control switches for speaker volume/mute control/Bluetooth radio shall be incorporated into the steering wheel, allowing driver to easily answer and end phone calls		
4.2.16	Cruise control switches on steering wheel shall be mounted on the steering wheel, similar to automotive designs to keep driver's eyes on the road, and hands on the wheel		
4.2.17	Fuel tank top draw, aluminum, 80 gallons, mounted left side under cab		
4.2.18	DEF TANK 9.5 US Gal (36L) capacity, Frame Mounted Outside Left Rail, Under Cab		
4.2.19	STEERING system shall include dual power gears, to provide maximum torque to steering arms. A single gear and slave cylinder is not acceptable with tilt and telescoping 2-SPOKE 18" steering wheel		
4.2.20	ENGINE, DIESEL, International A26 475 HP, 475 @1700 RPM, 1700 lb.-ft. torque @ 1000 RPM with 3 stage jake brake. Chassis brake lights will be turned on when the engine compression brake, exhaust brake or retarder is activated, to alert following drivers that the vehicle is slowing down		
4.2.21	Engine oil pan shall be constructed of stainless steel for durable long life corrosion protection		

	CHASSIS SPECIFICATIONS:	YES	NO
4.2.22	Must provide clearance access under the largest available radiator for a Front Engine PTO shaft. The flange adapter is to be provided. Notching of frame rail by more than 20% of rail depth or other modifications to factory installed radiator after delivery, or pass through radiator is not acceptable.		
4.2.23	EXTERNAL ENGINE REGEN WARNING: to alert work crews outside of cab that an engine regeneration is required, a warning system shall be installed that causes the low beam headlights to flash and sound the electric horn in addition to the dash warnings. Warning system shall be interlocked to operate only when the parking brake is on		
4.2.24	EXHAUST: frame mounted vertical exhaust stack required to minimize noise and vibration from being transferred to the cab structure. Cab Mounted Exhaust will not be accepted		
4.2.25	SWITCH, FOR EXHAUST 2 position, lighted and latching, On/Off type, mounted in IP, inhibits diesel particulate filter regeneration as long as switch is in the on position		
4.2.26	Transmission AUTOMATIC, Allison 4500 RDS 6 speed, wide ratio with double overdrive with PTO, includes oil level sensor. Allison transmission electronic control module shall be relocated to inside the cab and up off the floor to minimize exposure to corrosive elements.		
4.2.27	Transmission must have synthetic oil.		
4.2.28	Transmission shift controls shall be a stalk type mounted on the right side of the steering column for use with Allison 4500. The multi-mode design of the shift stalk will allow control of all transmission, and engine brake functions if so equipped, including gear selection, engine brake mode, and manual gear selection. NO FLOOR mounted shift tower or instrument panel must be kept clear for body mounted equipment controls.		
4.2.29	Brakes: air brakes with automatic slack adjusters, AD-9 or equal air dryer. 18.7 CFM air compressor. Vehicle shall be equipped with an alarm system to warn the operator when leaving the vehicle the park brake has not been set, The parking brake alarm will sound the electric horn in a repetitive manner when vehicle's park brake is "NOT" set, with ignition "OFF" and door is open.		
4.2.30	Slack adjusters front and rear (automatic)		
4.2.31	Rear service and parking brake chambers shall be of a sealed type with electrostatic coated head for improved corrosion protection. Bendix "Endurance-Pro" is preferred		

	CHASSIS SPECIFICATIONS:	YES	NO
4.2.32	ELECTRICAL SYSTEM 12-volt 160-amp alternator with remote voltage sensor capability to monitor battery charge and adjust alternator output accordingly, (2) 12-volt batteries 1850 CCA with jump start stud and disconnect switch in the cab with lockable provision, battery terminals are to be sealed to protect against corrosive elements		
4.2.33	Daytime running lights will be provided to enhance visibility of the vehicle to oncoming traffic		
4.2.34	Headlights (low beam) and the tail lights will automatically turn on with activation of the windshield wiper switch, to provide increased visibility during inclement weather		
4.2.35	LED font turn signals and cab marker lights required for longevity		
4.2.36	Additional front dual facing (front and back) L.E.D. turn signal lights shall be mounted on the top of the front fender for improved vehicle visibility at night or during inclement weather. (Amber/Amber or Amber/Red)		
4.2.37	FRAME: 120,000 Psi yield strength, with frame reinforcement outer "C" channel, shall be a continuous straight structural channel to simplify frame straightening in the event of a front end collision, a Splayed Front frame rail shall not be acceptable. OMIT front bumper.		
4.2.38	FRAME rails shall be treated with phosphate free Tectalis 1800 pretreatment followed by a two stage electrostatically applied corrosion resistant primer coating and a top powder coating to minimize corrosion		
4.2.39	FRAME: frame assembly shall be huck bolted in lieu of threaded bolts where possible, to minimize frame bolt re-torque service		
4.2.40	Frame extension, front integral: 20" in front of grille		
4.2.41	FRONT AXLE 20,000 LBS CAPACITY WITH parabolic taper leaf suspension with shock absorbers, wide track front axle with king pin centers greater than 71" shall be provided for improved turn angle and maneuverability		
4.2.42	Auxiliary front rubber springs required for greater stability with high center of gravity loads and prevent spring damage in the event of temporary overload conditions		
4.2.43	REAR AXLE 46,000 lbs. capacity, driver controlled locking differential in forward and rear axles, with 46,000 lbs. Hendrickson HMX suspension with 54" spacing		

	CHASSIS SPECIFICATIONS:	YES	NO
4.2.44	Driver controlled locking main differential. The rear axle must be equipped with a safety feature, which shall automatically disengage the locking differential at a speed of approximately 20 MPH		
4.2.45	CAB regular with rear suspension air ride, power windows and locks, includes express down feature. WHITE IN COLOR, headlights (low beam) and tail lights will automatically turn on with the activation of the windshield wiper switch, to provide increased visibility during inclement weather		
4.2.46	CAB sound insulation includes dash insulator and engine cover insulator, premium floor mat, and sound dampening patches.		
4.2.47	Cab rear suspension AIR, provides Rear PTO and PTO driveshaft clearance		
4.2.48	The cab doors will automatically lock when the vehicle speed exceeds 15 MPH for added operator protection		
4.2.49	Cab shall be equipped with overhead storage console pockets on both driver and passenger sides with retainer nets or doors to secure them		
4.2.50	High visibility (YELLOW) grab handles will be mounted inside cab to aid in cab entry/egress during nighttime or limited visibility operation		
4.2.51	Air ride cab suspension required to isolate cab and operators from harsh road conditions		
4.2.52	Cab and chassis electrical and air lines shall be color coded and continually numbered so technicians can easily identify and troubleshoot as necessary		
4.2.53	The seat belt webbing at each crew member location shall be a highly visible bright orange or red in color		
4.2.54	Cigar lighter includes ash cup		
4.2.55	Horn, electric		
4.2.56	Horn, Air Single Trumpet, Black, with Lanyard Pull Cord		
4.2.57	POWER SOURCE cigar type receptacle without plug and cord		
4.2.58	Interior cab height from highest position on cab floor to roof interior shall measure not less than 52"		

	CHASSIS SPECIFICATIONS:	YES	NO
4.2.59	Width of CAB interior shall measure not less than 72" at hip level to provide adequate room for 3-rnan seating		
4.2.60	CAB height from Floor to roof measured at the "B" pillar shall be a minimum of 56" to ensure adequate head room, and air suspension seat travel for a variety of drivers		
4.2.61	All pedals including throttle, clutch, and brake shall be suspended rather than floor mounted to reduce the potential for material or loose items gathering underneath the pedal that may impede its operation, and to minimize corrosion penetration in the cab floor		
4.2.62	Measurement from the center of fuel pedal to back of cab wall shall be not less than 46.5 inches, to provide comfortable leg room		
4.2.63	One piece windshield with a surface area of not less than 1900 sq. inches, required for improved jobsite visibility		
4.2.64	Windshield wiper swept surface area shall be not less than 1000 sq. in for optimum visibility during inclement weather		
4.2.65	In dash low windshield washer fluid indicator required for driver convenience during frequent operation in inclement weather		
4.2.66	WHEELS, RIMS AND TIRES: front wheels steel disc 22.5 x 12.25 rims, 10 stud hub-piloted rear duel disc 22.5 x 8.25 10 stud hub-piloted front tire (2) 425/65R22.5 20 ply with highway tread rear tire (8) 11R22.5 traction lug 16 ply		
4.2.67	Sunshade exterior painted cab color to include L.E.D. Integral clearance/Marker lights for improved vehicle visibility at night or during inclement weather.		
4.2.68	Warranty: 60 month/200,000 miles heater and A/C warranty		
4.2.69	Warranty: 72 month/250,000 miles includes engine, engine electronics, turbocharger, water pump and fuel injectors, and after treatment coverage for engine		
4.2.70	Warranty: Towing 60 month/unlimited mileage to the nearest dealer for warrantable failure as contract defined; includes engine failure if supplier declines tow coverage and ESC supplied thru dealer, \$1100 maximum benefit per incident		

	WATER STORAGE TANKS (BODY SPECIFICATIONS):	YES	NO
4.2.71	1500-gallon minimum usable capacity		
4.2.72	Water storage saddle tanks mounted no lower than chassis frame rails to keep the single piston pump inlet flooded		
4.2.73	Water tanks to sit over the rear axles		
4.2.74	Water Tanks to be made of a non-corrosive material with a lifetime warranty against corrosion and which is repairable material in the event a tank is damaged		
4.2.75	Bottom of tank protected by 1/4" steel to eliminate potential puncture from road debris		
4.2.76	The total tank capacity shall be divided into 250-gallon, separate, self-baffling cells connecting together. Individual tanks shall all be mounted at the same level to provide balanced pressurization and prevent air cavitation problems		
4.2.77	Tank to pump suction 3" dia shut-off valve with cast iron, 3" dia "Y" type strainer with stainless steel filter element		
4.2.78	Baffled Tanks are connected with 4" dia hump hose. This allows fast and even filling of all the tanks		
4.2.79	Provide Two (2) gravity drains located below water tanks to completely drain the freshwater tanks. One (1) 3" ball valve located on the water tank crossover pipe at the rear of the unit. One "Y" strainer located at the front of the water tanks		
4.2.80	Water tanks to raise with debris body to completely drain water tanks		
4.2.81	One 1/2" dia ball valve located on the water tank crossover pipe to provide an operator hand washing station		
4.2.82	Minimum 5" air gap on fill tube to prevent siphoning of water from storage tanks back into hydrant		
4.2.83	Minimum 6" inspection ports on top of each tank		
4.2.84	Clear sight level indicator tubes mounted both sides of unit		
4.2.85	Ten year warranty against defects in materials and workmanship		

	ECO WATER PUMP (BODY SPECIFICATIONS):	YES	NO
4.2.86	Double acting, single piston hydraulic powered water pump with 1:1 oil to water ratio. It shall be driven by a flow & pressure compensating hydraulic system for reduced fuel consumption and with only 5 moving parts		
4.2.87	Rated design full capacity of 100 GPM and 3,000 PSI continuous duty		
4.2.88	Hydraulic pump and water pump shall be sized to produce 80 GPM @ 2500 PSI at an engine rpm of 1650 rpm or less		
4.2.89	Manually operated dual hydro-pneumatic nitrogen charged 2-1/2 pound accumulators with on/ off valve shall be provided to handle pressures from 600 to 3000. Hydro-pneumatic accumulator shall be equipped with valve to allow operator to selectively activate jackhammer/blockage busting or the smooth continuous flow characteristic		
4.2.90	Smart pressure sensing pump. Water pump matches need determined by flow and pressure requested by front control panel dial		
4.2.91	Switch at control panel shall control engagement and disengagement and variable flow zero to maximum GPM, from zero to full pressure		
4.2.92	Pump driven hydraulically by two hydraulic pumps. One powered by a transmission mounted hot shift PTO and the second powered by the transfer case		
4.2.93	Pump mounted below water tanks, forward of debris tank to assure flooded inlet at all times to prevent cavitation		
4.2.94	Be able to run 60 GPM or 80 GPM nozzle with damaging pump		
4.2.95	Single two-way ball valve for sewer nozzle operation		
4.2.96	Multi flow system dial at control panel to allow independent control of the vacuum pump and water pump		
4.2.97	Single dial to control water pump on/off and water pressure		
4.2.98	An in-line water to oil cooler shall be installed between the water tanks and the pump. The oil cooler shall not be installed within another component such as a water or oil tank		
4.2.99	A second twin (2) air to water cooler shall be installed. This second cooler system shall be installed to assist in the cooling of hydraulic fluid during low water flow and hydro-ex operations. The hydraulic system shall not overheat under normal operating conditions including hydro-ex		

	ECO WATER PUMP (BODY SPECIFICATIONS):	YES	NO
4.2.100	For maintenance and serviceability, the water pump shall not require removal from the unit chassis for maintenance or repair. Pumps that require the draining of hydraulic fluid are not acceptable		
4.2.101	The water end can be serviced without disassembling both the water and hydraulic ends		
4.2.102	A minimum 40 GPM flow system will be supplied to prevent freeze-up by pumping water through the system, including hose reel while driving to the jobsite. No electric pumps allowed		
4.2.103	Self-contained system for purging water from jetting hose, handgun lines and pump to prevent freeze-up. Air to be supplied by unit chassis		
4.2.104	A 1/2" valve shall be installed on the water pump to aid in draining, flushing out and the prime/purging operations		
4.2.105	A five-gallon antifreeze tank shall be plumbed into water pump for winterization during non-working hours		

	WASTE WATER RECYCLING SYSTEM (BODY SPECIFICATIONS):	YES	NO
4.2.106	Combination sewer cleaning truck stores sewage and debris into a debris tank using an onboard vacuum system. A water saving system automatically filters sewer water supplying it to a high-pressure water pump for reuse in the sewer for jetting work		
4.2.107	This system allows the operator to continue working by jetting with sewer water and not having to shut down and travel elsewhere to refill with potable water		
4.2.108	The system transfers the saturated sewage liquid from the debris body by means of a hydraulic driven charge pump and processes it through a six-stage filtration system direct to high pressure water pump be reused for high pressure sewer cleaning		

(Note: Highly important this system uses the Waste Water Recovered right from the body without the use of any additional holding tanks - additional holding tanks this would be unacceptable)

	6-STAGE FILTRATION SYSTEM (BODY SPECIFICATIONS):	YES	NO
4.2.109	First stage separation of water and debris takes place inside the debris body. All debris and affluent material enters the debris tank on the front side of the ejector plate where initial water and debris separation takes place		
4.2.110	Second stage, the ejector plate in the debris tank separates liquid from solids. The ejector plate has small clearances and passages to allow liquids to pass to the rear side of the ejector plate, holding solids on the front side		
4.2.111	Third stage is the settling area behind the ejector plate where water accumulates for the recycling process		
4.2.112	Fourth stage consists of an oscillating self-cleaning filter screen inside the debris tank on the rear side of the ejector plate. The oscillation creates a counter flow and agitates the materials and liquids around it. This filter screen includes two self-cleaning spray bars. The first is a tow-pressure spray bar utilizing recycled water that is constantly cleaning the outside of the screen. The second is an internal intermittent high-pressure spray bar that uses fresh water to internally clean the screen		
4.2.113	Fifth stage centrifugal separator located on the front tank head of debris body. Separator is designed to remove particles from the liquid via centrifugal action. System shall include an automatic continuous discharge of particles back into the debris body		
4.2.114	Sixth stage consists of a "Y" type cast iron strainer with a stainless-steel filter element that filters the liquid prior to the high pressure water pump. The externally mounted charge pump draws liquids out of the debris tank through the screen filter. This pump also pressurizes the water enough to force the water through the next filter and beyond. The flow rate of the charge pump meets the entire flow rate requirement for the jetting water pump, self-cleaning filters, y-strainer filter, and low pressure spray bar assembly		

	CONTROLS-WASTE WATER RECYCLING SYSTEM (BODY SPECIFICATIONS):	YES	NO
4.2.115	Water saving system shall be fully automatic and when selected by the operator, shall be functional when-ever a sufficient water supply exists in the body. All controls shall be located at the front control panel HMI screen		
4.2.116	When the recycling system is in full operation, the control system shall monitor the flow of the filter via a flow sensor and differential pressure switch. The variance in pressure determines the clogged state of the filter and the reduction in flow. A range of pressure and flow will be pre-determined and programmed into the logic that determines various output events. If the flow sensor for the secondary filter determines this filter is too dirty to operate the control system will send a message to the HMI screen to initiate a high pressure flush.		

	CONTROLS-WASTE WATER RECYCLING SYSTEM (BODY SPECIFICATIONS):	YES	NO
4.2.117	System shall include debris level indicator with LED readout at front control panel HMI screen. This system shall continuously monitor and display debris and liquid levels inside the debris tank. Debris level indicator shall be capable of working in vacuum pressures up to 28" Hg and in temperatures from 40 to +176 F		
4.2.118	Color display screen at front control panel to include: <ul style="list-style-type: none"> • Debris lever indicator, LED display • Fresh water indicator, LED display • Recycled water consumed meter • Water saved meter • Filter condition • Key operational tips 		

	ADDITIONAL REQUIREMENTS - WASTE WATER RECYCLING SYSTEM (BODY SPECIFICATIONS):	YES	NO
4.2.119	System capable of 80 GPM @ 2500 PSI		
4.2.120	Recycled water to go direct from debris body to high pressure water pump for jetting		
4.2.121	Systems that deposit recycled water into freshwater tanks or settling tanks prior to the high-pressure water pump will not be accepted due to contamination of fresh water supply and high maintenance		
4.2.122	Valves in water system to prevent recycled water from entering the freshwater tanks. *Fresh water tanks will remain clean and never need to be flushed or cleaned		
4.2.123	System shall automatically change over to fresh water when there is not enough water to recycle		
4.2.124	Minimum of (2) two 1" general cleaning nozzles exclusively designed to handle recycled water		

	LOW WATER WARNING ALARM WITH MESSAGE DISPLAY (BODY SPECIFICATIONS):	YES	NO
4.2.125	Low water alarm located at front operator's station		
4.2.126	System to have shutoff override to silence the alarm		

	DIGITAL FOOTAGE COUNTER ON HOSE REEL (BODY SPECIFICATIONS):	YES	NO
4.2.127	Sewer hose footage counter shall be electronic with digital readout and 20 footage memory storage locations		
4.2.128	Electronic calculation must automatically account for hose behind paid out of the hose reel, not just measure reel rotations		

	AIR PURGING SYSTEM (BODY SPECIFICATIONS):	YES	NO
4.2.129	Self-contained system for purging water from jetting hose, handgun lines and pump to prevent freeze-up supplied. Air to be supplied by unit chassis		

	VACUUM SYSTEM POSITIVE DISPLACEMENT (BODY SPECIFICATIONS):	YES	NO
4.2.130	Vacuum pump rotary lobe positive displacement "roots type" using two impellers rotating in opposite directions to move entrapped air around the case to the outlet port. Pump shall be rated for continuous duty		
4.2.131	During normal vacuuming operation the chassis RPM should not exceed 1700 RPM		
4.2.132	Unit equipped with a high efficiency exhaust silencer		
4.2.133	Vacuum pump direct shaft driven from the transfer case without the use of belts, poly chains or intermediate hydraulic or hydrostatic systems (which means NO front mounted pumps or PTO's). Power supplied from chassis engine via transfer case. The ECO direct transfer case drive will reduce fuel consumption over hydraulic drive systems		
4.2.134	A Hot Shift control is supplied at front control panel to engage and disengage vacuum pump for operator safety. No need to enter truck cab		
4.2.135	Three automatic opening vacuum (kunkle) relief valves shall be provided for vacuum pumps rated less than full vacuum		
4.2.136	Single 14" diameter, internal stainless-steel float ball supplied for automatic vacuum system shut off when unit is full, A minimum 113 square inches must be provided at the air exit duct to reduce air velocity and carryover		
4.2.137	An externally mounted, vertical cyclone separator with a 16" diameter clean out door shall be incorporated between the positive displacement vacuum pump and the debris tank. The clean out door shall be mounted less than four feet from ground level for operator safety. The cyclone shall have a minimum 41,000 cubic inch internal operating size		

	VACUUM SYSTEM POSITIVE DISPLACEMENT (BODY SPECIFICATIONS):	YES	NO
4.2.138	Vacuum relief vent switch located at operator's station to relieve vacuum. Switch shall open a vent door via an air cylinder to relieve the vacuum without disengaging the vacuum pump		
4.2.139	The environment shall be protected by a single washable cartridge filter capable of containing particles sized 10 microns or larger. Cartridge filter housing shall be constructed on 1/4" steel 28" in diameter and 22" in depth. Washable Filter element shall be 22" x 21" constructed of washable rigid polyester, unitized in a stainless steel housing, 98% efficient @ 10 microns. Filter element shall have a total filter area of 120 sq. ft.		
4.2.140	Vacuum pump shall produce 4500CFM and 18" Hg.		
4.2.141	Vacuum Pump to be Howden (roots) Model <u>824 RCS</u>		

	VACUUM BOOST VALVE (BODY SPECIFICATIONS):	YES	NO
4.2.142	Hydraulically operated vacuum boost valve shall be supplied. The valve shall close off the air flow through the boom, creating full rated vacuum inside the debris tank		
4.2.143	When opened, a velocity of air shall rush through the boom and vacuum tubes		

	PLEATED FINAL FILTER (BODY SPECIFICATIONS):	YES	NO
4.2.144	Vacuum pump shall be protected by an HX cartridge filter capable of containing particles sized 10 micron or larger		
4.2.145	HX Cartridge filter housing shall be constructed on 1/4" steel 28" in diameter and 22" in depth		
4.2.146	Filter housing shall have one single door hinged on the left for easy access. Door shall be secured by one single 12" "T" bolt		
4.2.147	Filter element shall be 22" x 21" constructed of washable rigid polyester, unitized in a stainless steel housing, 98% efficient @ 10 microns. Filter element shall have qty. of 130-2" pleats with a total filter area of 120 sq. ft.		

	DEBRIS BODY-EJECTOR UNLOADING & COMPACTING DEWATERING SYSTEM (BODY SPECIFICATIONS):	YES	NO
4.2.148	Minimum volumetric capacity of 12.0 cubic yards		
4.2.149	Overall height to be under 12 foot and no longer than 40 foot		
4.2.150	Complete removal of dry payload in a safe environment		
4.2.151	Ejector plate using Super-Pak technology to separate liquid from solids at the jobsite to reduce trips to the dumpsite and carry drier loads		
4.2.152	Single entry top loading of material in debris tank to achieve maximum tank capacity. Boom entry at front of debris body will not be accepted in order to reduce material leakage out of boom hose end when the chassis is braking		
4.2.153	Cylindrical shaped for strength and corrosion resistance. Flat sided debris tanks are specifically prohibited due to flex and weld deterioration		
4.2.154	Debris top loading to be preferred as the debris is aimed at the debris body floor not the rear tailgate door. Debris will protect the floor from a constant flow of material against the debris tank. Baffle to deflect material away from rear tailgate is not acceptable		
4.2.155	Designed to withstand 360" of water vacuum		
4.2.156	Debris tank to be constructed of abrasion and corrosion resistant 1/4" Exten steel, with a yield strength of 50,000 PSI and tensile strength of 70,000 PSI		
4.2.157	Unloading of body is accomplished without going behind unit		
4.2.158	Hydraulic powered open and close, full height and width flat rear door with self-compensating, double lipped neoprene seal located on door. Rear door to be opened and closed by two power up/ down hydraulic cylinders. The door shall hydraulically open 90 degrees to allow easy access to the debris body interior for clean out		
4.2.159	Four mechanical, wedge pin and receiver, hydraulically operated tailgate latches shall be supplied for securing rear debris tank door. Hydraulic latching shall be accomplished by a single hydraulic cylinder with mechanical linkage, separate from the door open close cylinders. The design of the locking system will not allow tailgate to raise or lower if hydraulic power is lost. Systems requiring separate manual latches to secure the door in the event of hydraulic system failure are unacceptable		
4.2.160	Exterior mechanical liquid level gauge. Stainless steel float and rod		
4.2.161	Internal tank manifold flushing system with eight jets capable of Full water pump GPM and PSI		
4.2.162	The debris inlet pipe shall be bolted to the debris tank and not require welding to replace		
4.2.163	The make/break connection between debris inlet pipe and boom must compensate for uneven road and ground conditions by way of spring-loaded and gasketed mating plates		

	DEBRIS BODY-EJECTOR UNLOADING & COMPACTING DEWATERING SYSTEM (BODY SPECIFICATIONS):	YES	NO
4.2.164	Full diameter fabricated steel ejector plate with two-stage hydraulic cylinder, so body lift can be limited to two feet for operator safety. Limiting water/debris movement with debris body		
4.2.165	Rear body pivot pins to be grease-able to increase pin life		
4.2.166	Controls for latching/unlatching, opening/closing and extending/ retracting ejection plate must be located on the passenger side behind the cab and forward of the debris tank for operator protection		
4.2.167	One internal surge baffle for debris tank		
4.2.168	Adjustable polymer wipers to clean bottom, sides and top of tank while unloading debris		
4.2.169	The ejector system shall keep debris away from front drain to maximize dewatering capabilities		
4.2.170	The ejector system will be designed to allow the operator to compress material in the debris tank to remove the maximum amount of liquid possible		
4.2.171	The forward section of the debris tank shall raise no more than 24" to assist in cleanout and at dump locations with a truck nose down ramp and operator safety		
4.2.172	In the compaction cycle, the hydraulic system will be preset to limit the stroke of the cylinder preventing the ejector plate moving past the debris inlet when tailgate is closed		
4.2.173	Controls to operate the Super-Pak system will be integrated with the standard ejector plate control		
4.2.174	Front gravity drain valve shall be a minimum 5" diameter opening for decanting of liquids from debris body and shall include a knife valve and 35' of fabric drain hose		
4.2.175	Body drain capable of pneumatic back flushing to unclog without opening tailgate		
4.2.176	A combined visual and audible alarm must provide an alert whenever the debris body or tailgate is being raised or lowered		
4.2.177	Remote grease package- tailgate and boom bearing/ motor. Boom bearing and motor grease to be delivered by way of fittings located on the passenger side of the body. Fittings to be no higher than 42" above the ground. Tailgate grease to be delivered by way of a single fitting and grease manifold. The single fitting is to be located on the tailgate and at a no higher than 72" off the ground		
4.2.178	The debris tank shall have a 12" deep rear splash shield installed from the 3 to 9 o'clock position at the tailgate giving 50% coverage to the entire diameter of the open debris body		

	DEBRIS BODY-EJECTOR UNLOADING & COMPACTING DEWATERING SYSTEM (BODY SPECIFICATIONS):	YES	NO
4.2.179	High-dump configuration with the tilt-ejection unloading, operators now have the only controlled way to dump into a 48-inch container without the need of additional containment products		
4.2.180	Hydraulically operated vacuum boost valve shall be supplied. The valve shall close off the air flow through the boom, creating full rated vacuum inside the debris tank When opened, a velocity of air shall rush through the boom and vacuum tubes		
4.2.181	A centralized lubrication bank shall be provided for the two upper sets of rear tailgate door hinges and upper tailgate door locks. The bottom locks an accessible from ground level		
4.2.182	Body up message and alarm mounted in chassis cab for operator safety		
4.2.183	For operator safety, one manual body safety prop mounted to chassis frame and two tailgate safety props. One on each side of unit		
4.2.184	The ability to interconnect the water tanks with the body as so to fill both with water and make the unit a super jetter		

	REAR SPLASH SHIELD (BODY SPECIFICATIONS):	YES	NO
4.2.185	The debris tank shall have a rear splash shield installed from the 3 to 9 o'clock position at the tailgate		

	ELECTRONIC DEBRIS TANK LEVEL SENSOR (Accu-Level) (BODY SPECIFICATIONS):	YES	NO
4.2.186	Radar sensing for liquid or dry material		
4.2.187	Multi-level color coded indicator screen with alarm message when tank is within 1/2 yard of being full		
4.2.188	Once full, system automatically opens vent door		

	FRONT MOUNTED MANUAL 420 GPM TRASH PUMP (BODY SPECIFICATIONS):	YES	NO
4.2.189	A hydraulic powered manual 420 GPM trash pump shall be mounted externally on the <u>front section of the debris body</u> , this is a shared pump with the waste water recovery system		
4.2.190	The pump shall have a pickup located inside the tank approximately 12" above the bottom of the tank		
4.2.191	The intake pipe for the pump shall have a filter screen		
4.2.192	System shall have 3" side discharge with 25' x 3" lay flat hose		
4.2.193	Controls to engage the pump shall on the front control panel		

	HOSE REEL, FRONT MOUNT, ROTATING & EXTENDABLE (BODY SPECIFICATIONS):	YES	NO
4.2.194	The hose reel assembly shall be front mounted at the center of the unit with 270-degree manual rotation to facilitate manhole entry and reduce traffic flow interruption. Manual rotation shall occur between the headlights of the truck chassis keeping the reel at a centered position at all times for operator safety		
4.2.195	Hose reel assembly shall rotate on a large diameter ball bearing and include a pneumatically actuated lock, which will positively lock the reel in any position across its operating range. Fork or gear type locks will not be acceptable		
4.2.196	Plumbing from water pump to reel core is 1 1/4" for improved water flow efficiency		
4.2.197	The hose reel shall be capable of extending 18" to facilitate manhole entry and to allow tilting of engine hood. Hose reel to be capable of 270-degree rotation extended & 180-degree rotation retracted		
4.2.198	The hose reel shall have a minimum capacity of 1000' of 1" I.D. sewer hose. Drum and flanges constructed of 1/4" steel, designed to withstand maximum working pressure without distortion. The drum shall have a minimum of 24" diameter to prevent hose damage. The reel shall be supported by two heavy duty self-aligning pillow block bearings, bolted to a 1/4" thick support frame		

	HOSE REEL, FRONT MOUNT, ROTATING & EXTENDABLE (BODY SPECIFICATIONS):	YES	NO
4.2.199	600 feet of 1" dia. plastic sewer cleaner hose supplied, with 2500 PSI working, 6250 PSI burst pressure ratings minimum. Hose must be constructed per standards established by NSWMA. Rubber type sewer hoses are not acceptable		
4.2.200	Reel driven by a double chain, hydraulic drive producing a minimum 14,600 in/lbs. torque and a variable speed from 0 to 40 RPM		
4.2.201	Reel in/out is operated by a single joystick control with speed control, which is also adjustable in 15%, 30%, 50%, & 100% speeds		
4.2.202	Sewer hose footage counter shall be electronic with digital readout and 20 footage memory storage locations. Electronic calculation must automatically account for hose being paid out of the hose reel, not just measure reel rotations		
4.2.203	Manually controlled level wind provided, utilizing four rollers. The rollers must be designed to pivot over center to allow for sewer hose removal without having to completely rewind back on the reel. Rollers to provide minimum bend radius of sewer hose for safer operation		
4.2.204	A safety containment system enclosing the top half of the hose reel shall be provided, consisting of a guard constructed entirely of Lexan. The transparent containment system permits viewing of hose reel and sewer hose, while protecting the operator from hose burst or coupling failure		
4.2.205	A Hot Shift Control is supplied at the front control panel to engage and disengage vacuum pump for operator safety		

	FULLY AUTOMATIC POWER LEVEL WIND (BODY SPECIFICATIONS):	YES	NO
4.2.206	Automatic power level wind consisting of machined scroll and follower		
4.2.207	Means to time follower must be included		

	HOSE REEL TENSION SYSTEM (BODY SPECIFICATIONS):	YES	NO
4.2.208	Roller tensioning device to prevent the hose from developing loose wraps when a sewer line obstruction is encountered, or reel speed is faster than nozzle speed		
4.2.209	A means of retracting the tension rollers when not being utilized		

	HOSE REEL TENSION SYSTEM (BODY SPECIFICATIONS):	YES	NO
4.2.210	Automatically controlled hose tensioner utilizing two or more adjustable air cylinders for pressure		
4.2.211	A means of adjusting air pressure to provide tensioning force regardless of how much hose is on the reel		

	DIGITAL FOOTAGE COUNTER ON HOSE REEL (BODY SPECIFICATIONS):	YES	NO
4.2.212	Sewer hose footage counter shall be electronic with digital readout and 10 footage memory storage locations		

	POWER BOOM (BODY SPECIFICATIONS):	YES	NO
4.2.213	The power boom shall have a minimum of 217-degree hydraulic worm gear rotation and be lockable in any position. Systems using hydraulic cylinders will not be acceptable		
4.2.214	A boom rest for transport and safety shall be directly mounted to the sub frame		
4.2.215	Boom shall not raise with debris body		
4.2.216	The boom shall have an articulated function that provides a vertical range of motion of no less than 16' (40 degrees) upward and 4' (9 degrees) downward from its horizontal position		
4.2.217	Boom shall be equipped with a heavy-duty channel reinforced elbow for long life, the use of a rubber tube in this area will unacceptable as it is a high wear area		
4.2.218	The boom will run twin hydraulic cylinders and have a lift capacity at the boom end shall be 1,000 pounds minimum retracted		
4.2.219	A joy stick shall be permanently mounted to the operator control station for boom functions: up, down, left and right, in/out		
4.2.220	The boom shall be controlled by two options: (1): Joystick at front control panel (2): remote controlled wireless pendant that recharges inside chassis cab. Wireless pendant is capable of up to 20 functions		

	POWER BOOM (BODY SPECIFICATIONS):	YES	NO
4.2.221	The boom vacuum pipe shall be 8" and reach a minimum of 26' from centerline of unit. Hydraulic boom extension of 8' shall be true telescoping tube inside of tube design which will extend and retract without affecting the vertical position of the boom. The boom structural support tubes shall be equipped with ultra-high molecular weight poly slides to reduce friction of the sliding portions of the assembly and not require lubrication		
4.2.222	The travel storage position shall be at front right corner of truck bumper for driver visibility		
4.2.223	The boom hose shall be removable from the steel elbow without tools or ladders to provide unobstructed operator visibility		
4.2.224	A boom up message and alarm shall be provided in the chassis cab for operator safety		
4.2.225	A centralized lubrication point for the boom shall be located on curbside of the unit accessible from ground level		

	IN-CAB CONTROL CENTER (BODY SPECIFICATIONS):	YES	NO
4.2.226	The in-cab control center shall include a means of selecting Road Mode or Work mode for safety		
4.2.227	The in-cab control center shall include a color digital display including: <ul style="list-style-type: none"> • Body raised message and alarm • Boom raised message and alarm • Tailgate unlocked message and alarm • E-Stop active alarm • Control system status menus which indicate working or fault conditions (self-diagnostic system) (In cab and at main control panel) (Will show color pictures of possible affect areas) • Strobe and LED work lights and safety light controls 		

	FRONT CONTROL CENTER (BODY SPECIFICATIONS):	YES	NO
4.2.228	The operator front color digital display control center shall be located at the front of the unit		

	FRONT CONTROL CENTER (BODY SPECIFICATIONS):	YES	NO
4.2.229	The front control center shall include a means of selecting vacuum mode (which disables the body movement functions) or Dump Mode (which disables the boom movement functions)		
4.2.230	Advanced logic Can-BUS command and control system network, with color self-diagnostics		
4.2.231	<p>The front color digital display control center shall include a digital display including:</p> <ul style="list-style-type: none"> • Engine speed • Water pressure • Hose reel payout • Hose reel speed in feet per minute • Sewer hose footage counter with 20 bank memory • Plug in pendant • Debris tank level (Optional) • Fuel consumption • Fuel level • Water flow rate • Fresh water level (Optional) • Water pump hour meter • Vacuum level (inches Hg) • Blower speed • Blower hour meter • Blower temperature • Engine oil pressure • Engine temperature • Engine voltage • Chassis air pressure • Unit hydraulic temperature • Control system status menus which indicate working or fault conditions for trouble shooting (self-diagnostic system) (at main control panel) (will show color pictures of possible affect areas) • User option menu to select between English or Spanish language • Backup controls menu with a secondary means of engaging the blower, water pump and moving body and boom functions • Screen that provides a rolling hour countdown of key maintenance requirements • Valve settings menu to adjust maximum and minimum speeds of the boom movement and the hose reel pay-in/pay-out speed 		

	FRONT CONTROL CENTER (BODY SPECIFICATIONS):	YES	NO
4.2.232	Single two-way ball valve for jetter hose on/off		
4.2.233	Hose reel joystick control pay in/pay out with speed control		
4.2.234	Boom joystick control		
4.2.235	Emergency stop red knob		
4.2.236	Vacuum relief control switch		
4.2.237	Vacuum boost valve control switch (optional if vacuum boost valve is required)		
4.2.238	Reel pivot brake control button		
4.2.239	Water pump variable flow control		
4.2.240	Hot shift vacuum/engine speed control dial with safety speed sensor to prevent damage during engagement		
4.2.241	In the event of failure by the chassis to provide power to the hydraulics, a 12-volt power-pack will provide emergency hydraulics to the body, boom and hose reel. All standard body, boom and hose reel control inputs will function when under the backup hydraulics. Operation of this feature does not require the engine to be running		
4.2.242	A single button on the control panel to engage and disengage vacuum pump for operator safety		

	CURBSIDE CONTROL CENTER (BODY SPECIFICATIONS):	YES	NO
4.2.243	The curbside control center shall include a means of selecting vacuum Mode (which disables the body movement functions) or Dump Mode (which disables the boom movement functions)		
4.2.244	The curbside control center shall include: <ul style="list-style-type: none"> • Pendant plug • Panel lights • Emergency E-Stop red knob • Push-button controls to open and close the tailgate • Push-button controls to raise and lower the debris body • Push-button controls to eject and retract the ejector plate • Push-button controls to increase and decrease water pressure • Ejector plate hydraulic pressure gauge 		

	LIGHTING (BODY SPECIFICATIONS):	YES	NO
4.2.245	LED Boom Flood Lights- two LED floodlights to be mounted on opposite sides of the boom elbow. Light sources other than LED are not acceptable		
4.2.246	LED Strobe/Advisor Package No. 2 consists of two LED North American Signal Part# LED400HD-Astroble lights mounted top rear of body, two LED strobe lights mounted at front section of boom and one LED top rear traffic advisor with in cab controls		
4.2.247	LED Strobe/Advisor Package No. 3 consists of two LED strobe lights mounted on lower front of unit, two (2) LED strobe lights mounted lower mid-length of unit two LED strobe lights mounted on lower rear of unit with in cab controls		
4.2.248	All electrical connections shall be void of exposed wires or terminals and be free of paint. The unit paint process to be completed prior to installation of wiring in manufacturing		
4.2.249	All light bulbs are to be shock mounted or shock resistant to eliminate bulb failure		

	VACUUM TUBES AND BRACKETS (BODY SPECIFICATIONS):	YES	NO
4.2.250	8" O.D. aluminum tubes with male/female fittings supplied for ease of assembly		
4.2.251	One 7' section, one 5' with crown, three 5' sections, two 7' sections, one 8' sections and one 3' section fluidizing supplied. Ten (10) gasket and ten (10) over center clamp for each tube supplied. No tools required with clamps		
4.2.252	Four tube storage rack located on rear door with polymer tube holders		
4.2.253	Two 3-tube vertical storage racks to be mounted to exhaust silencer on passenger side street level accessible		
4.2.254	Tube racks on driver side, potentially placing workers in traffic during accessing, are not acceptable		

	TOOL BOXES (BODY SPECIFICATIONS):	YES	NO
4.2.255	Two (2) lockable diamond plate aluminum toolboxes, 18"x18"x48" frame mounted, passenger side mid -ship		
4.2.256	One (1) lockable diamond plate aluminum toolbox, 18"x18"x48" lower frame mounted, passenger side		

	WIRELESS CONTROL (BODY SPECIFICATIONS):	YES	NO
4.2.257	<p>The control shall be contained in a waterproof/shock proof housing with a carrying case with belt and shoulder strap. The wireless remote is recharged in a recharging station located in the cab. The remote control shall be able to be stay charged for 40 hours and have the following functions:</p> <ul style="list-style-type: none"> • Boom up/down, in/out, left/right • Engine throttle • Water flow and pressure • Vacuum relief vent door • Emergency button that will automatically open vacuum relief vent door, stop all hydraulic functions, kick out water pump and vacuum pump PTO's and bring engine to an idle • A reset functions to return the unit to normal operation after emergency button has been pushed. For safety purposes, this reset function will require constant pressure and will require a minimum of five seconds between activation of the reset and the return of the unit to normal operation • Remote shall control the sewer hose pay out/retrieve function of the hose reel • Rear door unlock, raise, dump or eject, lower and lock • 2x16 character backlight LCD panel display • Water pressure in PSI • Payout footage in feet • Reel speed in percentage • Fresh water level in percentage • Debris level in percentage • Engine RPM • Operation system status • Emergency E-Stop button 		

	WATER WASHDOWN SYSTEM (BODY SPECIFICATIONS):	YES	NO
4.2.258	Main water pump shall supply water source with means of regulating pressure from 0 to 2000 PSI available at handgun quick disconnect. No Exceptions		
4.2.259	Retractable hose reel with live center complete with 50' x 1/2" hose provided with quick disconnect. Located behind the cab		
4.2.260	2000 PSI wash down gun with adjustable nozzle		

	LOOSE PART ACCESSORIES (BODY SPECIFICATIONS):	YES	NO
4.2.261	One (1) large chisel degree steel rear & front nozzles with hardened orifice supplied		
4.2.262	One (1) radial cleaning steel nozzle with hardened orifice supplied		
4.2.263	One (1) 6 jet storm nozzle steel nozzle with hardened orifice supplied		
4.2.264	One 1" nozzle extension supplied		
4.2.265	2 1/2" x 25' cotton fill hose with fittings for filling water tanks supplied, including storage bin		
4.2.266	1" dia x 10' Long Leader Hose		
4.2.267	Minimum 3000 psi rated adjustable handgun shall be supplied		
4.2.268	Two (2) "tiger tail" hose guide supplied complete with rope		
4.2.269	Leader hose 1" x 10'		
4.2.270	Hydrant wrench		
4.2.271	Puller hook		
4.2.272	Quarter fenders – front and back of rear wheels		
4.2.273	Safety cone rack complete with 6-28" orange cones		
4.2.274	Two each operation, maintenance and parts manual supplies on flash drive		

	HYDRO-EXCAVATION ACCESSORY KIT (BODY SPECIFICATIONS):	YES	NO
4.2.275	One 8" x 6" Reducer		
4.2.276	One 6" x 6' Dig tube with non-conducting cuff		
4.2.277	One 3000 psi rated Handgun with on/off trigger		

	HYDRO-EXCAVATION ACCESSORY KIT (BODY SPECIFICATIONS):	YES	NO
4.2.278	One, 1/2" x 30" Pipe extension with quick disconnects		
4.2.279	Three 1/2" x 6' Pipe extensions with quick disconnects		
4.2.280	One 12 GPM Ripsaw nozzle		
4.2.281	One each of an 8" diameter and 6" diameter Supertube locking clamps		
4.2.282	each of an 8" diameter and 6" diameter "O" Ring		
4.2.283	Additional fan cooling for keeping hydraulic system cool during Hydro-Ex operations		

	RETRACTABLE HOSE REEL WITH LIVE CENTER-50' LONG X 1/2" HOSE (BODY SPECIFICATIONS):	YES	NO
4.2.284	Retractable hose reel with live center complete with 50' x 1/2" hose provided with quick disconnect		
4.2.285	Systems only using an in-line oil cooler will be considered unacceptable		

	POWDER COAST PAINT (BODY SPECIFICATIONS):	YES	NO
4.2.286	Powder coat paint: unit to match chassis cab		
4.2.287	Color L0006EB White Elite		
4.2.288	Surface prep material with steel shot blast Grit G-80.		
4.2.289	Wash, Rinse & surface etch with Iron Phosphate, Rinse, dry & seal		
4.2.290	Powder Coat Industrial Coating TGIC Super Durable, 4ml thick average with a Finish of 80+Gloss rating @60 degrees		

	WARRANTY (BODY SPECIFICATIONS):	YES	NO
4.2.291	Warranty minimum one year on sewer/catch basin cleaner free from defects in material and workmanship per Super Products LLC Warranty Statement		
4.2.292	Minimum ten years on debris tank on defects in material and workmanship		
4.2.293	Minimum ten years on water tanks on defects in material and workmanship		
4.2.294	Lifetime rust-through and corrosion on water tanks. Aluminum tanks are considered unacceptable		
4.2.295	Minimum three years on single piston water pump on defects in material and workmanship. Wear items are not included in warranty		

	SAFETY (BODY SPECIFICATIONS):	YES	NO
4.2.296	The entire unit shall be no more than 12' in overall height to reduce high center of gravity tipping risk. Bidder to state overall height of unit _____		
4.2.297	To eliminate obstruction of a driver's field of vision, the boom hose or tube end must be removable from the boom elbow. For safety of personnel, removal of the boom hose or tube must be able to be completed from ground level without the use of ladders, lifts, steps, or any other access assisting device		

4.3 ADDITIONAL OPTION: The County reserves the right to buy additional equipment at the same unit price subject to availability and to award in whole or in part.

4.4 DELIVERY

4.4.1 Delivery will be made to 33 Minus Avenue, Garden City, GA 31408 – At least one day advance notice will need to be made prior to delivery. All items shall be delivered F.O.B. destination and delivery costs and charges included in the bid unless otherwise stated in the specifications or proposal. (DO NOT anticipate drop shipping)

4.4.2 NO Dealer Advertising is to be on the equipment.

4.4.3 Chatham County Fleet Operations will be responsible for applying for all Georgia tags and titles. NOTE: Assign title to Commissioners of Chatham County, 124 Bull Street,

Savannah, GA 31401

- 4.4.4** Invoices, MV-1 and MSO's shall be sent to Chatham County Fleet Operations, Attn: Lori Love, P.O. Box 8161, Savannah GA 31412
- 4.4.5** Upon delivery, vehicle will have dealer drive out tags.
- 4.4.6** Five (5) sets of keys will be provided for each unit.
- 4.4.7** Equipment will be delivered with not less than a half a tank of fuel.
- 4.4.8** Each unit(s) shall be delivered with complete certification or origin, warranty, owner's manual and any other necessary credentials.

BID SHEET

BID NO. 21-0052-6

PURCHASE OF ONE (1) NEW SEWER VAC TRUCK FOR CHATHAM COUNTY FLEET

ITEM NO	DESCRIPTION	MANUFACTURER'S NAME & MODEL NO	QTY	UNIT PRICE	TOTAL PRICE
1	SEWER VAC TRUCK (per sect. 4.2 specifications)		1 EA		
2	EXTENDED WARRANTY (optional)		1 EA		

TOTAL BID \$ _____

TIME REQUIRED FOR DELIVERY AFTER RECEIPT OF ORDER _____/DAYS
(Award may be contingent on delivery)

Vendor Name: _____

Address: _____

City, State, Zip: _____

Phone number: _____ Fax: _____

Email: _____

Printed Name/Title: _____

Signature: _____

EXCEPTION SHEET

If the commodity (ies) and/or service proposed in your Bid is different from that contained in this proposal, the Bidder is responsible to clearly identify all such differences in the space below. Specifications associated with exceptions must include pictured literature and the manufacturer specifications. Otherwise, it will be assumed the Bidders' offer is in the total compliance with all aspects of the proposal.

Below are the only differences between my offer and the proposal. Add additional pages as needed.

DATE

SIGNATURE

COMPANY

TITLE

REFERENCES

COMPANY NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____

PHONE NUMBER: _____

COMPANY NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____

PHONE NUMBER: _____

COMPANY NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____

PHONE NUMBER: _____

COMPANY NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____

PHONE NUMBER: _____

ATTACHMENT A

DRUG - FREE WORKPLACE CERTIFICATION

THE UNDERSIGNED CERTIFIES THAT THE PROVISIONS OF CODE SECTIONS 50-24-1 THROUGH 50-24-6 OF THE OFFICIAL CODE TO GEORGIA ANNOTATED, RELATED TO THE ****DRUG-FREE WORKPLACE****, HAVE BEEN COMPLIED WITH IN FULL. THE UNDERSIGNED FURTHER CERTIFIES THAT:

1. A Drug-Free Workplace will be provided for the employees during the performance of the contract; and
2. Each sub-contractor under the direction of the Contractor shall secure the following written certification:

_____ (CONTRACTOR) certifies to Chatham County that a Drug-Free Workplace will be provided for the employees during the performance of this contract known as **PURCHASE OF ONE (1) NEW SEWER VAC TRUCK FOR CHATHAM COUNTY FLEET** (PROJECT) pursuant to paragraph (7) of subsection (B) of Code Section 50-24-3. Also, the undersigned further certifies that he/she will not engage in the unlawful manufacture, sale, distribution, possession, or use of a controlled substance or marijuana during the performance of the contract.

CONTRACTOR

DATE

NOTARY

DATE

ATTACHMENT B

PROMISE OF NON-DISCRIMINATION STATEMENT

Know All Men By These Presence, that I (We), _____
Name

_____, _____
Title Name of Bidder

(herein after Company) in consideration of the privilege to bid/or propose on the following Chatham County project procurement **PURCHASE OF ONE (1) NEW SEWER VAC TRUCK FOR CHATHAM COUNTY FLEET** hereby consent, covenant and agree as follows:

- (1) No person shall be excluded from participation in, denied the benefit of or otherwise discriminated against on the basis of race, color, national origin or gender in connection with the bid submitted to Chatham County or the performance of the contract resulting therefrom;
- (2) That it is and shall be the policy of this Company to provide equal opportunity to all business persons seeking to contract or otherwise interested with the Company, including those companies owned and controlled by racial minorities, and women;
- (3) In connection herewith, I (We) acknowledge and warrant that this Company has been made aware of, understands and agrees to take affirmative action to provide minority and women owned companies with the maximum practicable opportunities to do business with this Company on this contract;
- (4) That the promises of non-discrimination as made and set forth herein shall be continuing throughout the duration of this contract with Chatham County;
- (5) That the promises of non-discrimination as made and set forth herein shall be and are hereby deemed to be made a part of and incorporated by reference in the contract which this Company may be awarded;
- (6) That the failure of this Company to satisfactorily discharge any of the promises of non-discrimination as made and set forth above may constitute a material breach of contract entitling the County to declare the contract in default and to exercise appropriate remedies including but not limited to termination of the contract.

Signature

Date

ATTACHMENT C

DISCLOSURE OF RESPONSIBILITY STATEMENT

Failure to complete and return this information will result in your bid/offer/proposal being disqualified from further competition as non-responsive.

1. List any convictions of any person, subsidiary, or affiliate of the company, arising out of obtaining, or attempting to obtain a public or private contract or subcontract, or in the performance of such contract or subcontract.

2. List any indictments or convictions of any person, subsidiary, or affiliate of this company for offenses such as embezzlement, theft, fraudulent schemes, etc. or any other offenses indicating a lack of business integrity or business honesty which affects the responsibility of the contractor.

3. List any convictions or civil judgments under states or federal antitrust statutes.

4. List any violations of contract provisions such as knowingly (without good cause) to perform, or unsatisfactory performance, in accordance with the specifications of a contract.

5. List any prior suspensions or debarments by any governmental agency.

6. List any contracts not completed on time.

7. List any penalties imposed for time delays and/or quality of materials and workmanship.

8. List any documented violations of federal or any state labor laws, regulations, or standards, occupational safety and health rules.

I, _____, as _____
Name of individual Title & Authority

of _____, declare under oath that

Company Name _____

the above statements, including any supplemental responses attached hereto, are true.

Signature

State of _____

County of _____

Subscribed and sworn to before me on this _____ day of _____

20 by _____ representing him/herself to be

_____ of the company named herein.

Notary Public

My Commission expires:

Resident State: _____

DPC Form #45

ATTACHMENT D
CONTRACTOR AFFIDAVIT under O.C.G.A. § 13-10-91(b)(1)

By executing this affidavit, the undersigned contractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services on behalf of CHATHAM COUNTY has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91. Furthermore, the undersigned contractor will continue to use the federal work authorization program throughout the contract period and the undersigned contractor will contract for the physical performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the contractor with the information required by O.C.G.A. § 13-10-91(b). Contractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

Federal Work Authorization User Identification Number

Date of Authorization

Name of Contractor

Name of Project

Name of Public Employer

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on _____, _____, 202__ in _____ (city), _____ (state).

Signature of Authorized Officer or Agent

Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME
ON THIS THE _____ DAY OF _____, 202__ .

NOTARY PUBLIC

My Commission Expires:

SUBCONTRACTOR AFFIDAVIT under O.C.G.A. § 13-10-91(b)(3)

By executing this affidavit, the undersigned subcontractor verifies its compliance with O.C.G.A. 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services under a contract with _____ (name of contractor) on behalf of CHATHAM COUNTY has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91. Furthermore, the undersigned subcontractor will continue to use the federal work authorization program throughout the contract period and the undersigned subcontractor will contract for the physical performance of services in satisfaction of such contract only with sub-subcontractors who present an affidavit to the subcontractor with the information required by O.C.G.A. § 13-10-91 (b). Additionally, the undersigned subcontractor will forward notice of the receipt of an affidavit from a sub-subcontractor to the contractor within five (5) business days of receipt. If the undersigned subcontractor receives notice of receipt of an affidavit from any sub-subcontractor that has contracted with a sub-subcontractor to forward, within five (5) business days of receipt, a copy of such notice to the contractor. Subcontractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

Federal Work Authorization User Identification Number

Date of Authorization

Name of Subcontractor

Name of Project

Name of Public Employer

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on _____, _____, 202__ in _____ (city), _____ (state).

Signature of Authorized Officer or Agent

Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME
ON THIS THE _____ DAY OF _____, 202__ .

NOTARY PUBLIC
My Commission Expires:

ATTACHMENT E

**BIDDERS CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
INELIGIBILITY AND VOLUNTARY EXCLUSION**

The undersigned certifies, by submission of this proposal or acceptance of this contract, that neither Contractor nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntary excluded from participation in this transaction by any Federal department or agency, State of Georgia, City of Savannah, Board of Education of local municipality. Bidder agrees that by submitting this proposal that Bidder will include this clause without modification in all lower tier transactions, solicitations, proposals, contracts, and subcontracts. Where the Bidder or any lower tier participant is unable to certify to this statement, that participant shall attach an explanation to this document.

Certification - the above information is true and complete to the best of my knowledge and belief.

(Printed or typed Name of Signatory)

(Signature)

(Date)

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001

END OF DOCUMENT Mod. CC P & C 6/2005

ATTACHMENT F

**Chatham County
Minority and Women Business Enterprise Program
M/WBE Participation Report**

Name of Bidder: _____

Name of Project: _____

Bid No: _____

M/WBE Firm	Type of Work	Contact Person/ Phone #	City, State	%	MBE or WBE

MBE Total _____

WBE Total _____%

M/WBE Combined _____%

The undersigned should enter into a formal agreement with M/WBE Contractor identified herein for work listed in this schedule conditioned upon execution of contract with the Chatham County Board of Commissioners.

Signature _____ Print _____

Phone () _____

Fax () _____

ATTACHMENT G

***Systematic Alien Verification for Entitlements (SAVE) Affidavit
Verifying Status for Chatham County Benefit Application***

By executing this affidavit under oath, as an applicant for a Chatham County, Georgia Business License or Occupation Tax Certificate, Alcohol License, Taxi Permit, Contract or other public benefit as reference in O.C.G.A. Section 50-36-1, I am stating the following with respect to my bid for a Chatham County contract for _____ . [Name of natural

person applying on behalf of individual, business, corporation, partnership, or other private entity]

1.) _____ I am a citizen of the United States.

OR

2.) _____ I am a legal permanent resident 18 years of age or older.

OR

3.) _____ I am an otherwise qualified alien (8 ' USC 1641) or non-immigrant under the Federal Immigration and Nationality Act (8 USC 1101 et seq.) 18 years of age or older and lawfully present in the United States.*

In making the above representation under oath, I understand that any person who knowingly and willfully makes a false, fictitious, or fraudulent statement or representation in an affidavit shall be guilty of a violation of Code Section 16-10-20 of the Official Code of Georgia.

Signature of Applicant:

Date

Printed Name:

SUBSCRIBED AND SWORN
BEFORE ME ON THIS THE
____ DAY OF _____, 20____

* _____
Alien Registration number for non-citizens.

Notary Public
My Commission Expires:

LEGAL NOTICE

CC NO. 168280

Invitation to Bid

Sealed Bids will be received until **2:00 P.M.** on **April 23, 2021** and publicly opened in **Chatham County Purchasing & Contracting Department, at The Chatham County Citizens Service Center, 1117 Eisenhower Drive, Suite C, Savannah, Georgia 31406, for: BID NO : 21-0052-6 PURCHASE OF ONE (1) NEW SEWER VAC TRUCK FOR CHATHAM COUNTY FLEET.** Purchasing will open bids at the designated time and bidders may listen to the opening via conference call at 1-888-585-9008, conference room code 743-636-882.

PRE-BID CONFERENCE: Conference call has been scheduled for April 15, 2021, at 11:00 A.M. Participants may attend by calling 1-888-585-9008, conference room code 743-636-882. **You are encouraged to attend.**

Bid Package can be downloaded and printed from the County Purchasing and Contracting website <http://purchasing.chathamcounty.org>.

All firms requesting to do business with Chatham County must also register on-line at <http://purchasing.chathamcountv.org>. For additional information concerning specifications, please contact Lynn Strickland, Procurement Specialist at (912) 790-1621.

CHATHAM COUNTY HAS THE AUTHORITY TO REJECT ALL BIDS AND WAIVE MINOR FORMALITIES.

"CHATHAM COUNTY IS AN EQUAL OPPORTUNITY EMPLOYER, M/F/H, ALL BIDDERS ARE TO BE E Q U A L OPPORTUNITY EMPLOYERS"

MARGARET H. JOYNER, PURCHASING DIRECTOR

SAVANNAH NEWS/PRESS INSERT: April 8, 2021

