Minimum Specifications
and Bid Documents

NEW SEWER CLEANER / VACUUM TRUCK

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE REVOLVING FUND PROGRAM

Prepared for:

ST. JOHN THE BAPTIST PARISH
1811 W. Airline Hwy.
LaPlace, LA 70068

MAY 2019
PEC PROJECT NO. 10929-5

Prepared by:

PEC
PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION

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ADVERTISEMENT FOR BIDS

ST. JOHN THE BAPTIST PARISH
NEW SEWER CLEANER / VACUUM TRUCK

St. John the Baptist Parish (herein referred to as the "Owner")

Sealed Bids will be received by St. John the Baptist Parish in the Parish Office, 1811 W. Airline Highway, LaPlace, La. 70068, until **2:45 p.m., June 27, 2019** for the following:

New Sewer Cleaner / Vacuum Truck

Proposals shall be addressed to St. John the Baptist Parish and delivered to the receptionist at St. John the Baptist Parish Office located at 1811 W. Airline Highway, LaPlace, LA 70068 and delivered no later than **2:45 p. m. on Thursday June 27, 2019.** Bid Envelope shall be marked **"Sealed Bid – New Sewer Cleaner / Vacuum Truck"** Any bid received after the specified time and date will not be considered. The sealed bids will be publicly opened and read aloud at**: 3:00 p. m. on Thursday June 27, 2019** in the St. John the Parish Council Chambers located at 1811 W. Airline Highway, LaPlace, LA 70068.

The Minimum Specifications and Bid Documents may be obtained at the Office of Professional Engineering Consultants located at 7600 Innovation Park Drive., Baton Rouge, Louisiana 70820, Phone (225) 769-2810. Documents may be viewed and obtained and electronic bids are being accepted @ www.centralbidding.com.

All questions should be directed to Jean Stewart, Director of Purchasing, 985-359-1037 or email: j.stewart@stjohn-la.gov or Janice Gauthier 985-652-9569, email: j.gauthier@stjohn-la.gov.

The Owner reserves the right to accept or reject any and all bids and to waive any irregularities or informalities incidental thereto, and to accept any bid, which the Owner feels, serves their best interest. Such action will be in accordance with Title 38 of the Louisiana Revised Statues.

Each Bidder must deposit with his/her bid, security in the amount equal to five percent (5%) of the total bid in the form of a certified check, cashier's check or bid bond.

St. John the Baptist Parish, being a government agency, is exempt from all sales tax. The vendor awarded the contract will be provided documentation to support their tax free purchases for this project. Therefore, the amount you bid should contain no sales tax.

No bidder may withdraw his/her bid within thirty (30) days after the actual date of opening thereof.

Any person with disabilities requiring Special Accommodation must contact St. John the Baptist Parish at (985) 652-9569 no later than seven (7) days prior to bid opening. Participation by minority and female owned business, as well as businesses located in this Parish is encouraged.

ST. JOHN THE BAPTIST PARISH
Natalie Robottom, Parish President

Publish: Wednesday May 29, 2019
Wednesday June 5, 2019
Wednesday June 12, 2019

MINIMUM SPECIFICATIONS FOR BIDS TO BE RECEIVED BY

ST. JOHN THE BAPTIST PARISH UNTIL 2:45 P.M. on Thursday June 27, 2019

FOR

One (1) New Sewer Cleaner / Vacuum Truck

1. GENERAL CONDITIONS AND INSTRUCTIONS

Sealed or electronic bids for **One (1) New Sewer Cleaner / Vacuum Truck will** be received until **2:45 p.m. on Thursday, June 27, 2019** at the **ST. JOHN THE BAPTIST PARISH OFFICE, 1811 W. Airline Hwy, Laplace, LA 70068.** Bids will be publicly opened and read aloud at 3:00 P.M. on June 27 2019 in the Council Chambers located at 1811 W. Airline Highway, LaPlace, LA.

All bids must be submitted on the Bid Form furnished for this purpose and must be filled out with ink, or typewritten, and signed in ink or ***submitted electronically to www.centralbidding.com.*** Each change or correction must be clearly marked and initialed by bidder's authorized representative. In addition, bidders are required to fill out the Bid Form included.

THIS BID PACKET MUST BE RETURNED IN ITS ENTIRETY. ALL BIDS SHALL BE PREPARED ON THE BID FORM AND RETURNED **IN A SEALED ENVELOPE WITH THE APPROPRIATE BID ITEM SO MARKED ON THE OUTSIDE OF THE ENVELOPE.** BIDS MAY ALSO BE SUBMITTED ON-LINE AT ***www.centralbidding.com***. ANY FEDERAL, STATE, AND/OR LOCAL LICENSE REQUIRED BY LAW FOR MAINTENANCE CONTRACTS OR LABOR AND MATERIALS COMBINED MUST BE INCLUDED. LOUISIANA CONTRACTOR'S NUMBER (if applicable) MUST BE "VISIBLE" ON THE OUTSIDE OF THE ENVELOPE FOR ALL BIDS. Failure to comply with these requirements may cause your bid to be disqualified.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all material, operating supplies and or equipment listed in this bid proposal. Items bid must meet or exceed specifications. It is the intent of St. John the Baptist Parish to secure pricing on **One New Sewer Cleaner / Vacuum Truck** for use by the Parish. All specifications are the minimum allowable; bids shall be submitted in a sealed envelope displaying the Bidder's Name and Address and clearly marked:

"Sealed Bid –One New Sewer Cleaner / Vacuum Truck"

Quoted prices shall remain firm and should include all fees applicable for purchase. Bids received after the time set will be returned to the bidder unopened.

All equipment, materials, and components are to be new, unless specified otherwise, and the best grade of their respective kinds for the purpose intended by the specifications.

Bidders shall furnish manufacturer's specifications and all equipment, materials, and components shall be in conformity with the specifications herein, including all items listed as standard equipment by the manufacturer.

In these specifications, there are specified equipment and materials most suitable for the service anticipated. This is not done to eliminate other items as good and sufficient. The Bidder may prepare his bid on the basis of other makes of equipment and materials provided that the proposed substitution is superior or equal in construction and/or efficiency, meets the technical specifications, and that high quality has been demonstrated by several years of service in similar conditions. Where these specifications are definite specifications, it shall be understood that this is for the purpose of conveying the quality standards of products desired including the general style, type, character, and quality.

ST. JOHN THE BAPTIST PARISH reserves the right to reject any or all bids for just cause. Any such action will be in accordance with the Louisiana Revised Statute 38.

2. MINIMUM SPECIFICATIONS

General: These specifications describe the **minimum requirements** for One New Sewer Cleaner / Vacuum Truck. The equipment furnished shall be new, that is of latest design and production, completely serviced and ready for operation. In addition, equipment must meet codes and standard set forth by the Louisiana, if applicable. Any items appearing in the manufacturer's regular published specifications furnished by the Bidder are assumed to be included in the Bidder's Proposal. Equipment of similar style, type, character, quality and purpose conforming to the detailed requirements listed will be considered equivalent. Bidders are cautioned to read the specifications carefully, as they may include special requirements not commonly offered by the manufacturer. Optional bids or bids with change in form will be rejected.

3. BONDS

Upon award, when applicable, all contracts with labor, and/or labor and material combined in excess of $25,000 will require a performance bond or a cashier's check in the amount equal to 50% of the bid. Performance bonds do not apply to materials, supplies and services. Bonds shall be issued by a company license to do business in Louisiana and countersigned by a person who is under with the surety company or bond issuer as a licensed agent in the state and who is residing in this state.

4. AWARD OF CONTRACT

St. John the Baptist Parish Government reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of St. John the Baptist Parish. Every bid shall be awarded to the LOWEST RESPONSIVE AND RESPONSIBLE BIDDER meeting specifications and at the same time, best fulfilling the needs of the St. John the Baptist Parish Personnel. The Procurement Office will be the sole judge of equality of products and comparability to specifications.

In accordance with the provision of LA R. S.38:2212.3, St. John the Baptist Parish is authorized to reject the lowest bid if received from a bidder domiciled in a Communist Country, or if the materials or supplies are manufactured in a Communist Country, including but not limited to the Soviet Union, China, North Korea, Japan and Vietnam, and to award the contract to the next lowest bidder-, provided this Section shall not apply to any country having established trade relations agreements or approvals from the government of the United States.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state, in accordance with R.S. 38:2251.

Warranty and Service Agreement: Unit shall be warranted against defects in material and workmanship for a minimum period of **five (5) years** from date of delivery. Warranty Documentation must be furnished with the bid.

Since the continuous operation of this equipment/material is important, and sometimes of an emergency nature, it is necessary that the successful bidder have a parts and/ or service facility within 50 miles of 1811 West Airline Highway, LaPlace, La. Bidder shall specify terms of warranty by submitting Warranty statements (Both factory and extended) and name of dealer within 50 miles of St. John the Baptist Parish who will provide warranty service. Bidder must include letter from dealer stating that he is an authorized dealer for the brand being bid and that he is prepared to provide all warranty repairs.

5. EXCLUSIVE; JURISDICTION and VENUE

For all claims arising out of or related to this agreement, contractor hereby consents and yields to the exclusive jurisdiction and venue of the Fortieth Judicial District Court for the Parish of St. John the Baptist and expressly waives any pleas of jurisdiction based upon Contractor's residence and (B) right of renewal based upon diversity of citizenship, and performance.

6. USE OF BRAND NAMES

The following specifications have been prepared by our office setting forth those items deemed necessary by our personnel. Certain brand names or "equal" according to R.S. 38:2212 are listed to indicate the minimum quality acceptable to the St. John the Baptist Parish Personnel. They are not intended to be restrictive or discriminatory in any manner whatsoever. Any deviation from these specifications must be noted in writing along with this bid. If any item of equal quality is substituted. Technical Specification of the item must be provided with the bid. Include brochures or other literature describing all required quality attires. The brand name and stock number of certain hid items must be listed on the bid form as indicated or attached to bid form. Anticipated delivery time must also be stated for each item.

7. ORDERS

Order placement and order quantity will be determined by the St. John the Baptist Parish Grant Department and specified in the specifications. Failure to meet the minimum qualifications of the specification may be cause for rejection of the bid.

8. CANCELLATION OF CONTRACT

St. John the Baptist Parish Procurement Office must be informed of any inability to supply an order within that stated period. The Procurement Office reserves the right to cancel and place with another vendor any order that cannot be supplied as per the time specified. Repeated inability to fill orders may result in cancellation of the order and/or disqualification of the bidder. The Procurement Office reserves the right to seek additional bids for special projects beyond their normal operations. This contract may be terminated under any and all of the following:

(a) By mutual agreement and consent of either party upon a written notice
(b) By Parish President, as a consequence of failure of the Contractor to comply with the terms and conditions of the contract or the progress of quality of work to be performed in a satisfactory manner, proper allowance being made for circumstance beyond the control of the Contractor

Any bids submitted which contain additions, alternate bids, or irregularities which may make the bid ambiguous as to its meaning, shall be rejected.

9. PRICES

St. John the Baptist Parish is tax exempt. All prices for procurements by St. John the Baptist Parish of supplies and materials shall be quoted in the unit measure specified and unless otherwise specified shall be exclusive of state and parish taxes. All quotations shall be based on F.O.B. Destination Freight Prepaid to St. John the Baptist Parish warehouse or job site within the parish as designated by the Procurement Office.

When called for, prices are to include the furnishing of all material, equipment, tools, delivery and all other facilities and the performance of all labor service; necessary for the completion of the work except as may be otherwise expressly provided in the detailed specifications. Minimum listed are for bidding purposes only. Actual requirements may be more or less than quantities listed. Written words shall govern over numerals if conflict exists and if a discrepancy exists between the base bid total and the sum of extended unit prices, the unit price bid governs.

10. CONTRACTING WITH SMALL MINORITY AND WOMEN FIRMS

The Parish is an Equal Opportunity Employer. We encourage all small, minority and women business enterprises to apply.

Bidder agrees to indemnify and hold harmless St. John the Baptist Parish, its officers and employees from any liability resulting indirectly or directly from the performance of the contract.

11. WITHDRAWAL OF BID

Bids may be withdrawn by the bidder if done by affidavit within 48 hours of bid opening, but only for patently obvious, unintentional and substantial mechanical, clerical or mathematical errors. I hereby certify that the bid price(s) listed above and/or attached have been carefully checked and are submitted as correct and final.

12. POSTPONEMENT OF DATE FOR PRESENTING AND OPENING BIDS

The Parish reserves the right to postpone the date for receipt and opening of bids and will give written or electronic notice of any such postponement to all persons to whom specifications and bid documents have been issued, at any time prior to the scheduled closing time for the receipt of bids.

13. SUBMISSION OF BID

Bids will be received only at the receptionist desk, and until the scheduled closing time, as stated in the Notice to Bidders. It is the sole responsibility of the bidder to see that his bid is received by the designated times. Any bid received after the scheduled closing time for receipt of bids will be returned unopened to the Bidder.

14. OPENING OF BIDS

At the time and place set for the opening and reading of bids, each and every bid (except those which have been withdrawn in accordance with Article 5, "Withdrawal of Bid", of this Section) received prior to the scheduled closing time for receipt of bids will be publicly opened and read aloud, irrespective of any irregularities or informalities in such bids.

15. DETERMINATION OF BID

The award of the bid will be based on the lowest responsible and responsive bid quoted on the bid for the item(s) chosen by the Parish. Bids will be awarded according to the lowest price quoted, service, availability of parts, and warranty.

16. REJECTIONS OF BIDS

The Parish reserves the right to reject any or all bids, other than for just cause in accordance with LA. R.S. 38:2214. Without limiting the generality of the foregoing, any bid which is obscure, or irregular may be rejected; any bid in which unit prices or other required information is omitted may be rejected.

17. ACCEPTANCE OF BIDS

Within forty-five (45) calendar days after the date of opening of the bids, in which to make an award. The acceptance of the bid will be by St. John the Baptist Council Motion. The acceptance of a bid shall bind the successful bidder to the price and delivery date of the item(s).

18. DISQUALIFICATION OF BIDDERS

Any one or more of the following causes, among others, may be considered sufficient for the disqualification of a Bidder and the rejection of his Bid:

(1) Evidence of collusion among Bidders.
(2) Lack of competency as revealed by either financial statements, experience, or other factors.
(3) Default on a previous municipal bid or failure to perform or deliver bid items.

19. QUALIFICATIONS OF BIDDER

The opening and reading of the Bid shall not be construed as an acceptance of the Bidder as a qualified, responsible Bidder. The Parish reserves the right to determine the competence and responsibility of a Bidder from its knowledge of the Bidder's qualifications or from other sources. Bidders must be in good standing in the State of Louisiana and must provide evidence that the Bidders are licensed to do business in the State of Louisiana and Parish of St. John.

20. **SPECIAL CONDITION – REQUIRED DEQ DOCUMENTS AND AFFIRMATIVE ACTION STEPS**

Federal funds may be used to fund or partially fund this equipment purchase. Exhibit "A" contains required DEQ Documents that shall be provided by bidders post bid, including affirmative action steps.

21. **REQUEST FOR ADDITIONAL INFORMATION** All questions should be directed to Jean Stewart, Director of Purchasing, 985-359-1037 or email: j.stewart@stjohn-la.gov or Janice Gauthier 985-652-9569, email: j.gauthier@stjohn-la.gov no later than seven (7) days prior to bid opening.

SECTION II

MINIMUM SPECIFICATIONS

SCOPE

The items requested under this bid document shall consist of the items contained in the specifications, and shall include the supervision, materials, equipment, labor, and parts necessary to deliver such items.

The services covered by this bid document are for the delivery and installation (where applicable) of any/all items awarded by the Parish to the Public Works Department. All materials/equipment will be delivered to Central Warehouse at 1801 West Airline Highway, LaPlace, LA, 70068.

PERFORMANCE/COMPLETION

The Bidder shall be required to deliver such items as per specifications within **Ninety (90) days** after receipt of a purchase order number.

LIQUIDATED DAMAGES

If the Bidder fails to deliver the items within the time specified in the bid document, or any extension, the Bidder shall pay to the Parish as liquidated damages, the sum of $50.00 for each day of delay.

MATERIAL AND WORKMANSHIP

All equipment, material, and articles incorporated into the items for bid shall be of the most suitable size for the purpose intended, unless otherwise specifically provided in the Bid Document. References in the specifications to equipment, material, articles, or patented processes by trade name, make, or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. The Bidder may, at its option, use any equipment, material, article, or process that is equal to that named in the specifications, unless otherwise specifically provided in this bid.

The Bidder shall furnish to the Parish the name of the manufacturer, the model number, and other information concerning the performance, capacity, nature, and rating of the machinery and/or other equipment. Machinery, equipment, material, and articles that do not have the required approval shall be installed or delivered at the risk of subsequent rejection.

BASIS AND METHOD OF PAYMENT

Notwithstanding any other payment terms in this bid, the Parish will make final payments and under the terms and conditions specified in this clause. Payment shall be considered as being made on the day a check is dated.

Invoice Payments

An invoice is the supplier's bill or written request for payment under the terms of the bid for work or services performed under the contract. An invoice shall be prepared and submitted to the Parish Purchasing Agent. A proper invoice must include the items listed below:

(1) Name and address of the bidder/supplier
(2) Invoice date
(3) Purchase order number or other type authorization for purchase or services performed.
(4) Description of item and/or services performed, including warranty information.
(5) Names (where practicable), title, phone number, and mailing address of person to be notified in event of a defective invoice or item.

If the invoice does not comply with these requirements, the bidder will be notified of the defect within 10 days after receipt of the invoice at the designated billing office.
Final payments shall be based on completion, delivery and acceptance of all work, items and presentation of all warranties, where applicable.

MINIMUM BID SPECIFICATIONS - One (1) New Sewer Cleaner / Vacuum Truck

Equipment must meet the minimum specifications or equivalent. See **Exhibit B: Minimum Specifications**

BID FORM – Sewer Cleaner / Vacuum Truck

TOTAL BID = _____

NAME OF VENDOR	**AUTHORIZED SIGNATURE**
DATE	
PHYSICAL ADDRESS	**PRINT**
NAME	
CITY, STATE, ZIP	**TITLE**

PAYMENT ADDRESS ***(IF DIFFERENT FROM ABOVE)***

E-MAIL ADDRESS

PHONE **FAX**

ST. JOHN THE BAPTIST PARISH - L'OBSERVATEUR

BID NOTICE PUBLISHED:

Wednesday May 29, 2019

Wednesday June 5, 2019

Wednesday June 12, 2019

PLEASE READ BID CAREFULLY!

LATE BIDS WILL NOT BE ACCEPTED!

NOTE: ***ONLY BIDS WRITTEN IN INK WILL BE ACCEPTED. BIDS CONTAINING INCORRECT INFORMATION WILL BE DISQUALIFIED***

Bidders are required to provide quotes on exact parts described in the Minimum Specifications or equivalent.

If equivalent, bidder must provide the manufacture and description.

CONTRACTORS WHO ARE OWNED BY, AND ARE SUBMITTING A BID AS A SUBSIDIARY OF A PARENT COMPANY, WHOSE NAME IS LISTED IN THE STATE OF LOUISIANA'S ROSTER OF LICENSEES, MAY DO SO BY INCLUDING A LETTER OF PROOF OF OWNERSHIP FROM THE PARENT COMPANY WITH THE SUBMITTED BID PACKAGE. THE LETTER MUST BE SIGNED AS PER LA R.S. 38:2212 (A) (1) (C) (I).

SIGNATURE ON THE BID SHALL BE THAT OF AN AUTHORIZED REPRESENTATIVE OF THE CORPORATION, PARTNERSHIP, OR OTHER LEGAL ENTITY. AN AFFIDAVIT, RESOLUTION, OR OTHER ACKNOWLEDGED OR AUTHENTIC DOCUMENT INDICATING THE NAMES OF ALL PARTIES AUTHORIZED TO SUBMIT BIDS FOR PUBLIC CONTRACTS SHALL ACCOMPANY THE BID. SUCH DOCUMENT SHALL BE ON FILE WITH THE SECRETARY OF STATE AND SHALL REMAIN IN EFFECT AND SHALL BE BINDING UPON THE PRINCIPAL UNTIL SPECIFICALLY RESCINDED AND CANCELED FROM THE RECORDS OF THE OFFICE.

SECTION III

REQUIRED FEDERAL CONTRACT CLAUSES

I. EQUAL OPPORTUNITY CLAUSE: 40 CFR PART 8

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

(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to, the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this equal opportunity clause.

(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.

(3)The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract, or understanding, a notice to be provided by the agency contracting officer, advising the labor union or worker's representative of the contractor's commitments under this equal opportunity clause, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4)The contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(5)The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and. orders.

(6)In the event of the contractors noncompliance with the equal opportunity clause of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended, in whole or in. part, and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(7)The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

II. HISTORICAL PRESERVATION CLAUSE: 36 CFR PART 800

The contractor agrees that, should evidence of historical or archeological sites be discovered during construction, all work in the area will cease immediately and the owner will be informed of the discovery. The owner will, in turn, promptly notify the Municipal Facilities Division of the Louisiana Department of Environmental Quality (DEQ).

After consulting with the appropriate State and Federal agencies, the DEQ and DHH will advise the owner of any protective measures that may be required.

III. ENDANGERED SPECIES CLAUSE: ENDANGERED SPECIES ACT OF 1973, AS AMENDED

The contractor agrees that, should plants or animals belonging to either endangered or threatened species be discovered in the area of construction or adjacent areas, all work in that area will cease immediately, and the owner will be informed of the discovery. The owner will, in turn, promptly notify the Municipal Division of the Louisiana Department of Environmental Quality (DEQ).

After consulting with the appropriate State and Federal agencies, the DEQ will advise the owner of any protective measurers that may be required.

IV. PRESIDENTIAL EXECUTIVE ORDERS

The contractor is required to comply with the following Presidential Executive Orders:

(1) 11625, 12138, and 12434 - Women's and Minority Business Enterprise;
(2) 12549 - Debarment and Suspension
(3) 11246 - Equal Employment Opportunity.

V. USE OF AMERICAN IRON AND STEEL

"In accordance with Section 608 of the Clean Water Act as amended by the Water Resources Reform and Development Act of 2014, the contractor agrees that all of the iron and steel products used in the performance of the contract will be produced in the United States."

For additional information including published waivers, please see the EPA website: http://water.epa.gov/grants_funding/aisrequirement.cfm

VI. EXPLANATION OF AFFIRMATIVE ACTION STEPS

It is a Federal requirement that all procurement made with Federal funds utilize six (6) good faith efforts to utilize disadvantaged business enterprises (DBE's) in the areas of construction, services, equipment, and supplies as follows:

1. Ensure DBEs are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities. For Indian Tribal, State and Local and Government recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.

2. Make information on forthcoming opportunities available to DBEs and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by DBEs in the competitive process. This includes, whenever possible, posting solicitations for bids or proposals for a minimum of 30 calendar days before the bid or proposal closing date.

3. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs. For Indian Tribal, State and local Government recipients, this will include dividing total requirements when economically feasible into smaller tasks or quantities to permit maximum participation by DBEs in the competitive process.

4. Encourage contracting with a consortium of DBEs when a contract is too large for one of these firms to handle individually.

5. Use the services and assistance of the SBA and the Minority Business Development Agency of the Department of Commerce.

6. If the prime contractor awards subcontracts, require the prime contractor to take the steps in paragraphs (1) through (5) of this section.

The PRO-Net database can be accessed by typing **www.sba.gov** to reach the SBA Webpage. The PRO-Net database allows you to conduct a search for firms based on a number of criteria such as locality, SIC codes, bonding capability, etc. This database also allows you to locate firms that have been certified through the 8(a) program which certifies that the company has at least 2 years experience, has adequate financing and bonding to perform, and has references from previous jobs. If you do not have Internet access, you can contact the New Orleans office of the SBA at (504) 589-2847.

The MBDA also maintains a database which can be accessed by typing **www.mbda.gov** to reach their opportunity database. Information you submit to this database about the job you have for MBE/WBE participation will be compared with information in the Phoenix database of minority companies. When

a match is made, the eligible minority companies will receive a copy of your opportunity by email and/or fax and you will receive (via email or fax) a list of the minority companies to which your opportunity has been referred. The phone number for the MBDA is (214) 767-8001.

The Louisiana Department of Transportation and Development (DOTD) also has an online list of DBE firms that have been certified by DOTD. Typing **www.dotd.state.la.us/cgibin/construction.cgi** will take you to the site where you can select the most current list of DBE firms. The phone number for DOTD is (225) 379-1382.

The successful bidder must provide documentation to demonstrate that the affirmative action steps were pursued. Documentation might include records of telephone calls, records of utilization of the MBDA and SBA Web sites, and relevant correspondence. Where DBEs are contacted but not utilized, an explanation as to why each one contacted was not utilized should be provided.

Exhibit "A"
REQUIRED DEQ DOCUMENTS

(Successful Bidder must provide the following forms Post Bid except for Form RF-373)

RF-200	**Prospective Prime Contractor's (Bidder) Statement About Six Good Faith Efforts**
EPA 5700-49	**Certification Regarding Debarment, Suspension, and Other Responsibility Matters**
EPA 6100-2	**Subcontractor Participation Form**
EPA 6100-3	**Subcontractor Performance Form**
EPA 6100-4	**Subcontractor Utilization Form**
RF-373	**MBE/WBE Certification**

RF-200
03/25/2013

CONTRACTOR'S GUIDE & RECORD
FOR IMPLEMENTATION OF SIX GOOD FAITH EFFORTS

It is a Federal requirement that all procurement made with Federal funds utilize six (6) good faith efforts to utilize disadvantaged business enterprises (DBEs) in the areas of construction, services, equipment, and supplies. For each of the following six steps, please state what actions were taken to comply with that step or reasons that no action was taken.

1. Placing qualified DBEs on solicitation lists.

2. Assuring that DBEs, once identified, are solicited whenever they are potential sources.

3. Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by DBEs.

4. Establishing delivery schedules, where the requirement permits, which encourage participation by DBEs.

5. Using the services and assistance of the Small Business Administration, and the Minority Business Development Agency of the Department of Commerce to identify qualified DBEs.

6. Require that each party to a subagreement or contract award take the affirmative steps outlined here.

_____ _____

Signature of Contractor Date

EPA Project Control Number

United States Environmental Protection Agency
Washington, DC 20460

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.

(b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and

(d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine of up to $10,000 or imprisonment for up to 5 years, or both.

Typed Name & Title of Authorized Representative

Signature of Authorized Representative Date

☐ I am unable to certify to the above statements. My explanation is attached.

EPA Form 5700-49 (11-88)

Instructions

Under Executive Order 12549, an individual or organization debarred or excluded from participation in Federal assistance or benefit programs may not receive any assistance award under a Federal program, or a subagreement thereunder for $25,000 or more.

Accordingly, each prospective recipient of an EPA grant, loan, or cooperative agreement and any contract or subagreement participant thereunder must complete the attached certification or provide an explanation why they cannot. For further details, see 40 CFR 32.510, Participants= responsibilities, in the attached regulation.

Where To Submit

The prospective EPA grant, loan, or cooperative agreement recipient must return the signed certification or explanation with its application to the appropriate EPA Headquarters or Regional office, as required in the application instructions.

A prospective prime contractor must submit a completed certification or explanation to the individual or organization awarding the contract.

Each prospective subcontractor must submit a completed certification or explanation to the prime contractor for the project.

How To Obtain Forms:

EPA includes the certification form, instructions, and a copy of its implementing regulation (40 CFR Part 32) in each application kit. Applicants may reproduce these materials as needed and provide them to their prospective prime contractor, who, in turn, may reproduce and provide them to prospective subcontractors.

Additional copies/assistance may be requested from:

Compliance Branch
Grants Administration Division (PM-216F)
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460
(Telephone: 202/475-8025)

EPA Project Control Number

United States Environmental Protection Agency
Washington, DC 20460

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.

(b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and

(d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine of up to $10,000 or imprisonment for up to 5 years, or both.

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United States Environmental Protection Agency

OMB Control No: 2090-0030
Approved: 8/13/2013
Approval Expires: 8/31/2015

Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Participation Form

An EPA Financial Assistance Agreement Recipient must require its prime contractors to provide this form to its DBE subcontractors. This form gives a DBE[1] subcontractor[2] the opportunity to describe work received and/or report any concerns regarding the EPA-funded project (e.g., in areas such as termination by prime contractor, late payments, etc.). The DBE subcontractor can, as an option, complete and submit this form to the EPA DBE Coordinator at any time during the project period of performance.

Subcontractor Name	Project Name	
Bid/ Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact
Address		
Telephone No.	Email Address	
Prime Contractor Name	Issuing/Funding Entity:	

Contract Item Number	Description of Work Received from the Prime Contractor Involving Construction, Services , Equipment or Supplies	Amount Received by Prime Contractor

[1] A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

[2] Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.

United States Environmental Protection Agency

OMB Control No: 2090-0030
Approved: 8/13/2013
Approval Expires: 8/31/2015

Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Participation Form

Please use the space below to report any concerns regarding the above EPA-funded project:

Subcontractor Signature	Print Name
Title	**Date**

The public reporting and recordkeeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

United States Environmental Protection Agency

OMB Control No: 2090-0030
Approved: 8/13/2013
Approval Expires: 8/31/2015

Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form

This form is intended to capture the DBE[1] subcontractor's[2] description of work to be performed and the price of the work submitted to the prime contractor. An EPA Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractors bid or proposal package.

Subcontractor Name	Project Name	
Bid/ Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact
Address		
Telephone No.	Email Address	
Prime Contractor Name	Issuing/Funding Entity:	

Contract Item Number	Description of Work Submitted to the Prime Contractor Involving Construction, Services , Equipment or Supplies	Price of Work Submitted to the Prime Contractor

DBE Certified By: ___ DOT ___ SBA ___ Other: _____	Meets/ exceeds EPA certification standards? ___ YES ___ NO ___ Unknown

[1] A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

[2] Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.

United States Environmental Protection Agency

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Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware of that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	**Date**

Subcontractor Signature	Print Name
Title	**Date**

The public reporting and recordkeeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

United States Environmental Protection Agency

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Approval Expires: 8/31/2015

Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Utilization Form

This form is intended to capture the prime contractor's actual and/or anticipated use of identified certified DBE[1] subcontractors[2] and the estimated dollar amount of each subcontract. An EPA Financial Assistance Agreement Recipient must require its prime contractors to complete this form and include it in the bid or proposal package. Prime contractors should also maintain a copy of this form on file.

Prime Contractor Name		Project Name
Bid/ Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact
Address		
Telephone No.		Email Address
Issuing/Funding Entity:		

I have identified potential DBE certified subcontractors	___ YES	___ NO
If yes, please complete the table below. If no, please explain:		

Subcontractor Name/ Company Name	Company Address/ Phone/ Email	Est. Dollar Amt	Currently DBE Certified?

Continue on back if needed

[1] A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

[2] Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.

United States Environmental Protection Agency

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Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Utilization Form

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware of that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	**Date**

The public reporting and recordkeeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

RF-373
04/23/13

DBE CERTIFICATION

Loan Recipient_____

Project Number_____DEQ Contract No._____

The Loan Recipient has determined that a fair share of subagreements CAN/CANNOT be awarded to disadvantaged, minority and/or women's businesses on this project.

Determination has been made that the Disadvantaged Business Enterprises participating in this project have been certified by the State of Louisiana's Unified Certification Program or by another certifying agency.

The following is the Loan Recipients effort to show compliance with DEQ's policy.

Prime Construction Contractor_____

Construction Contract Amount_____

WBE	MBE	Name of Firm	Subcontract Amount
( )	( )	_____	_____
( )	( )	_____	_____
( )	( )	_____	_____
( )	( )	_____	_____
( )	( )	_____	_____
( )	( )	_____	_____

*Attach additional sheets if necessary

_____ _____
Date Authorized Representative of Recipient

Exhibit "B"
MINIMUM SPECIFICATIONS

Part I - Combination Sewer Cleaner Specifications
Part II - Chassis Specifications

PROFESSIONAL ENGINEERING
CONSULTANTS CORPORATION

Exhibit B: Minimum Specifications

This Sewer Cleaner / Vacuum Truck shall be to the manufacture's standard. It shall be equipped with the manufacture's equipment and accessories which are included as standard in the advertised and published literature for the unit. No such item of equipment or accessories shall be removed or omitted for the reason that it was not specified in the bid.

If it is necessary to bid alternate equipment or to take exceptions to the specifications as set forth, this must be so stated in your bid. For each item, please place a X in the appropriate space (Yes__ No__) to signify whether or not you are in complete compliance with the specification. Failure to follow the format or answer the specification may cause your bid to be disqualified. If you need extra space to describe your product, please attach extra sheets. When doing this, be sure your description references the appropriate question number.

PART I - COMBINATION SEWER CLEANER SPECIFICATIONS

COMPLY, Indicate: Yes or No

GENERAL ☐ **Yes** ☐ **No**

The machine is capable of removing stones, grit, grease, sludge and other debris from sanitary sewer and/or storm drain lines by the flushing action of high-pressure water. The high-pressure sewer cleaner operates independent of the vacuum system.

The machine includes an air conveying vacuum system to provide for the simultaneous removal of the debris flushed to the manhole by the high-pressure water system or for the removal of debris from sewers, sumps, catch basins, digesters, wet wells, bar screens, etc.

The machine is capable of being operated by one man, with all operating controls for high-pressure water pump, hose reel, and vacuum, located at the front of the machine for safety.

DEBRIS BODY ☐ **Yes** ☐ **No**

Debris storage body has a minimum usable liquid capacity of 11 cubic yards. The debris body shall be round for maximum strength and constructed of 3/16 inch minimum corrosion and abrasion resistant steel or stainless steel.

The rear discharge door shall hydraulically open and close (raise and lower) by means of hydraulic cylinders. The door shall hydraulically open 90 degrees to allow easy access to the debris body for clean out. Hydraulic operated door locks shall be installed. The door locks shall be operated by two double acting hydraulic cylinders.

There shall be a 6" diameter liquid drain valve, "knife valve type" for removing excess liquids. Drain will have 10 feet of 6 inch lay flat hose.

A rear door safety prop shall be provided.

A double acting power up/power down hydraulic lift mechanism will be provided to raise body to a minimum 50 degree angle. The lift capacity of hydraulic lift shall be at a minimum the weight of the body and a maximum load of debris.

An internal stainless steel float device with external indicator is supplied to show when body is loaded to capacity.

Dump controls are located on curbside mid-ship of the unit, well forward of the dumping area for operator safety. A manual override system is provided in case of system failure.

The debris body has a five year warranty.
A copy of manufacturer's warranty statement shall be enclosed with bid.

VACUUM SYSTEM ☐ **Yes** ☐ **No**

A minimum 8 inch diameter vacuum system shall be furnished, mounted on a power boom for vacuuming water and debris from manholes and lift stations. A fan or blower system shall be provided and arranged such that no debris passes through the fan or blower before being deposited in the debris body.

(Fan Design)
Vacuum will be achieved by centrifugal compressor. The centrifugal vacuum compressor shall be of 3-stage construction (i.e. 3-27" minimum diameter fans in tandem). The centrifugal compressor (fans) shall be constructed of Corten steel. The compressor's outer housing shall be spun from one piece of 3/16" steel for strength and provide proper airflow in operation. The vacuum system shall operate independent of the high-pressure water system.

The compressor is driven by the chassis engine via a closed loop hydrostatic system using a variable piston pump and motor. This system shall include a heat exchanger for extreme ambient conditions and to maintain the pump suction oil temp at 160 deg. F. max. The heat exchanger shall be protected by a 30-micron filter and cold weather by pass valve. Hydrostatic loop filtration shall be accomplished by a 10 Beta micron return filter and a 10-micron Absolute (no bypass) charge filter.

(Blower Design)
Vacuum will be achieved by a positive displacement rotary lobe type Roots 824-18 blower driven via chassis and a heavy duty split transfer case direct to the blower.
Blower shall be driven by the chassis engine and shall produce an inlet volume of 4500 cfm @ 0" hg @ 2250 rpm and 3590 cfm @ 18" hg.

A means of starting, stopping and varying the vacuum suction from operator station at the front of the machine is provided.

A centrifugal separator located in the inlet chamber to the fans / blower with cleanout box is provided. The separator removes particles from the air stream, thus enabling unit to vacuum wet or dry material. The separator is separate from the debris body. The centrifugal compressor (fan) system is capable of producing 90% vacuum with no airflow. This feature allows material to be vacuumed under the water surface, i.e. lift stations, plugged manholes, etc.

Unit must be capable of vacuuming under water 16.6' (200") without air induction. A manometer/vacuum test may be required to demonstrate the system performance.

The centrifugal compressor fans have a 5-year replacement non-prorated warranty.

VACUUM PICK UP HOSE ☐ **Yes** ☐ **No**

Shall be front loading, attached at the front of the machine in order to provide ease of positioning the machine over the manhole, as well as afford maximum safety for the operator.

The 8" will be mounted on a boom that will provide a minimum of 18' vertical lift utilizing dual hydraulic cylinder and 180 degree of boom rotation powered hydraulically for non-interrupted smooth movement. Boom to have a lift capacity of 500 lbs. at the front bumper.

The boom will be powered by an electric over hydraulic system.

The boom shall hydraulically telescope a minimum of 10 ft. forward from the operator's station. The height of the boom shall not change while the boom is being telescoped. A manual override system shall be provided for right/left, and up/down functions in case of system failure.

Control of the boom is by means of a joystick control at the operator's station, requiring no cables at operator's feet for boom operation. A wireless remote control will be provided for Boom, Vacuum Breaker, Chassis Throttle, Debris Body functions and Emergency Safety Stop Switch.

8 inch diameter pipe extensions with clamps will be provided and carried on the truck as follows:

1 6-1/2' Catch Basin Nozzle
1 6' Aluminum Pipe Extension
1 5' Aluminum Pipe Extension
1 3' Aluminum Pipe Extension

WATER SUPPLY ☐ **Yes** ☐ **No**

The water tanks shall have a minimum usable capacity of 1100 U.S. gallons.

The water tanks shall be constructed of aluminum or cross-linked polyethylene. The tanks shall be furnished with satisfactory filling and draining features, and necessary piping, valves and accessories including vents. Polyethylene tanks shall be protected by a minimum 11 gauge steel plating mounted under tanks.

The water tanks shall be mounted on the truck frame at an engineered position for maximum truck stability. Large water tanks shall be internally baffled to stabilize water load for transport.

A 2-1/2 inch diameter x 25 feet long hydrant hose with hydrant wrench is supplied on the unit.

An anti-siphon fill device is installed on the unit.

A sight gauge to indicate water level is located within sight of the operator station.

The water tanks carry a ten year replacement warranty.

AUXILARY ENGINE (WATER PUMP DRIVE ENGINE) (OPTIONAL) ☐ **Yes** ☐ **No**

GM Power Solutions International (PSI) 5.7 Liter 140HP

HIGH-PRESSURE WATER PUMP ☐ **Yes** ☐ **No**

The high pressure water pumping system shall be complete with all necessary controls relief valves and safety features. The system shall be rated to deliver smooth continuous pressure and flow through the entire flow range of the pump. The high pressure shall have smooth continuous flow for both the high pressure system and the hand gun system.

A continuous duty flow of 50 g.p.m. and 2500 p.s.i shall be provided.

High-pressure relief valves are provided for both the high-pressure system and hand gun system.

The water pump operates independently of the vacuum system and shall be driven from the truck engine through a hydrostatic drive or driven by the auxiliary engine.

Features shall be provided to protect the pump from damage when the water tank is emptied and the pump begins to run dry, or a certificate shall be provided stating that the water pump is capable of running dry at full speed for 30 minutes.

Controls for starting and stopping the water pump and to vary the flow and pressure shall be at the front hose reel operator's station.

A variable/ multi flow system shall be provided to have the capability to vary the flow with the change of a nozzle or a selector knob control.

The high-pressure water pump is equipped with a cold weather drain valve. The valve allows the operator to completely drain the high-pressure pump.

A debris body flush-out system which is operated from the unit's high pressure water pump shall be provided at the front of the debris body.

The high-pressure water pump drive system carries a five year replacement warranty. Warranty excludes the drive engine, i.e. auxiliary engine.

HOSE REEL ASSEMBLY ☐ **Yes** ☐ **No**

The hose reel assembly is mounted on the front of the vehicle. The hose reel shall have a minimum of 30" inside diameter with a capacity of 600' x 1" hose.

The hose reel will be power driven both forward and reverse by a hydraulic motor with controls for operating the motor incorporating a flow control device to regulate the rotational speed of the reel in both directions. Machinery (drive, chains, etc.) and fittings shall be safely enclosed by a housing or cover.

The hose reel shall pivot, rotate or articulate at least 180 degrees.

When in use, the hose reel may extend beyond the width of the passenger side of the vehicle for greater flexibility and maneuverability in cleaning offset manholes.

JET HOSE ☐ **Yes** ☐ **No**

600' x 1" jet rodder hose will be supplied rated for 2500 psi minimum working pressure and 7500 psi burst pressure.

A heavy duty hose guide with 25' of nylon rope will be provided.

Nozzles shall be hardened steel with replaceable ceramic orifices as follows: 1) Chisel head penetrator & 1) standard sanitary.

MANHOLE CLEANING WATER SYSTEM (HAND GUN) ☐ **Yes** ☐ **No**

The high-pressure pump and independent water tank assembly supplied shall be used for manhole cleaning. A smooth continuous flow of 20 g.p.m. and pressure of 500 p.s.i. shall be provided for ease of operation. A hand gun pressure relief valve set at 500 p.s.i. shall be provided. One full functioning hand gun with on/off hand control, replaceable nozzle tip, 12 inch extension, adjustable spray and 50' x 1/2" hose with retractable reel will be provided.

The hand gun will attach to the system via a quick couple connection at the curbside of the unit. To avoid being coiled at the operator's station a hand gun holder will be provided at the front bumper.

HYDRAULIC SYSTEM AND LUBRICATION ☐ **Yes** ☐ **No**

Hydraulic Systems shall be used to power the water pump, hose reel, vacuum, boom, body tilt and rear door latch.

Water pump and vacuum system shall be capable of simultaneous operation at 100 percent capacity.

Reservoirs shall be sized to supply adequate hydraulic fluid volumes and adequate cooling of the hydraulic system(s).

Hydraulic oil coolers, with thermostatic control and manual bypass, if required to maintain hydraulic oil temperatures below an acceptable level, shall be provided.

The hydraulic system shall incorporate a main shut off valve in case of hydraulic failure.

The hydraulic system shall incorporate appropriately sized hydraulic pressure relief valves and pressure gauges for ease of trouble shooting and maintenance.

The unit is equipped with a permanent weatherproof lubrication chart that points out lubrication points on the module and specifies what type of lubrication and hydraulic fluids are required. The chart also specifies the frequency of each lubrication point.

Remote plumbed grease fittings are provided for the vacuum compressor, boom rotation, and water pump drive areas.

ACCESSORIES ☐ **Yes** ☐ **No**

A minimum twelve (12) month manufacturer's guarantee on the unit will be provided.

A storage box behind the cab will be provided, 16" x 42" x 96"

All special tools needed for adjustment, maintenance and disassembly of the machine.

1 Air purge system
1 1/4 turn ball valve water drain
1 Variable flow valve
1 Deck mounted pipe rack, holds 5 pipe
1 Storage box shall be provided with two roll out shelves
1 Lateral Cleaning Kit w/200' x 1/2" Hose w/Nozzle, Permanently Mounted, Electronically Controlled
1 Rear mounted tow hooks
1 Auxiliary engine remote oil drain (only with auxiliary engine option)
1 Remote boom grease zerk assembly, (accessible from ground level)
1 Remote debris tank grease zerk assembly (accessible from ground level)
1 Dual roller level wind guide
1 10' leader hose
1 Water pump remote oil drain
1 Body Prop - Mounted to frame
1 Traffic Camera with Color Monitor (Camera placement must be picked)
1 Rear traffic camera
1 Long handle storage/ (2) PVC
Traffic Cone Holder

LIGHTING ☐ **Yes** ☐ **No**

Electrical wiring to be color coded, connections to be made in sealed terminal boxes, protected from moisture, and with no exposed wire terminals.

All module circuits are protected by circuit breakers.

Clearance lights and reflectors shall be furnished in accordance with D.O.T. requirements.

1 LED strobe light with limb guard, rear debris tank door mounted - Whelen L21HAP LED Beacon with Whelen BGH Branch Guard or equal
1 4 LED strobes - (2) front bumper, (2) rear bumper - Whelen 50A03ZCR – Amber or equal
1 LED Arrow stick - Whelen TAM85 Traffic Advisor or equal
1 LED Boom Mounted Flood Light - Whelen NP6BB Worklight or equal

All lamps shall be shock resistant.

PAINT ☐ Yes ☐ No

Unit paint surface is shot blasted, primed and sanded prior to paint.

Unit to be painted with DuPont Imron 5000 polyurethane paint.

Unit shall have reflective White or Blue

Chassis shall be painted manufacturers standard white.

Horizontal surfaces that may be used as a foothold or step shall be coated or made from a non-skid material, horizontal surfaces that are not allowable to be used as a step shall be stenciled with "No Step".

TRAINING AND MANUALS ☐ Yes ☐ No

Operator training will be conducted by a factory-trained representative for a minimum of two days at the time of delivery. 2 copies of the operating and maintenance manual for the sewer cleaner module shall be provided upon unit delivery. An operational video will be provided with the unit.

MOUNTING AND DELIVERY ☐ Yes ☐ No

The unit described will be mounted on a truck chassis acceptable to the body manufacturer at the factory of the body manufacturer.

EXCEPTIONS AND DEVIATIONS

Bidder shall fully explain every variance, exception and or deviation to the bid specifications. Additional sheets/ lines may be added if required.

PART II - CHASSIS SPECIFICATIONS

GENERAL SUMMARY ☐ Yes ☐ No

The truck shall be a heavy duty, conventional cab unit suitable for use in the application and a Cleaner / Vacuum truck and shall be 2018 or later model. Units supplied to this specification shall meet or exceed these requirements.
The chassis GVWR, Gross Axle Weight Ratings (GAWR), frame resistance bending moment (RBM) and dimensions shall be as recommended by the vacuum unit manufacturer, however, the minimum ratings and dimensions specified shall be met.

114SD 6X4 AUTO
GVWR: 66000LBS, FRONT: 20000LBS, REAR: 46000LBS
WB: 264" CA: 180.5" AF: 75"
ENGINE, DIESEL: CUMMINS ISL 370 HP @ 2000RPM, 2100 GOV RPM, 1250 LB/FT @ 1400 RPM
TRANSMISSION: ALLISON 3000 RDS AUTOMATIC WITH PTO PROVISION
AXLE, FRONT, NON-DRIVING: 20000LB FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE
AXLE, REAR, TANDEM: 46000LB R-SERIES TANDEM

ELECTRONIC PARAMETERS ☐ Yes ☐ No

GOVERNOR: PTO GOVERNOR RAMP RATE – 200 RPPM PER SECOND

ENGINE EQUIPMENT ☐ Yes ☐ No

The truck engine (diesel) shall be a Cummins or approved equal, rated at not less than 370 horsepower, meeting or exceeding the following specifications.

CUMMINS ISL 370 HP @ 2000RPM, 2100 GOV RPM, 1250 LB/FT @ 1400 RPM AIR CLEANER:
DONALDSON, SIDE OF HOOD AIR INTAKE WITH FIREWALL
ALTERNATOR: DR 12V 160AMP 28-SI QUADRAMOUNT PAD WITH REMOTE BATTERY VOLT SENSE
(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 2250 CCA THREADED STUD BATTERIES
BATTERY BOX: FRAME MOUNTED
JUMPSTART: POSITIVE AND NEGATIVE POSTS LOCATED ON FRAME NEXT TO STARTER
AIR COMPRESSOR: CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE
SWITCH, EXHAUST: ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENREATION AND DASH MOUNTED REGENERATION REQUEST SWITCH
FAN: HORTON 2-SPEED DRIVEMASTER POLAR EXTREME FAN DRIVE FUEL FILTER: CUMMINS SPIN ON
OIL FILTER: COMBINATION FULL FLOW/ BYPASS OIL FILTER
RADIATOR: 1300 SQ" ALUMINUM RADIATOR
ANTIFREEZE: ANTIFREEZE TO -34f, NOAT EXTENDED LIFE COOLANT
HOSE CLAMPS/RADIATOR HOSES: GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT, CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
STARTING MOTOR: DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH
EXHAUST SYSTEM: B-PILLAR MOUNTED VERTICAL TAILPIPE, AFTERTREATMENT ASSEMBLY, RH OUTBOARD UNDER STEP MOUNTED

TRANSMISSION EQUIPMENT ☐ Yes ☐ No

The transmission shall be an Allison 3000 RDS, meeting or exceeding the following specifications:

TRANSMISSION: ALLISON 3000 RDS AUTOMATIC WITH PTO PROVISION TRANSMISSION OIL PAN: MAGNETIC
TRANSMISSION SHIFT CONTROL: PUSH BUTTON, ELECTRIC, DASH MOUNTED
ALLISON VOCATIONAL PACKAGE 223 or 172 – AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, AND TRV
SHIFT CONTROL PARAMETERS: PRIMARY AND SECONDARY – LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6
PTO EFFECTS, ENGINE FRONT: PTO MOUNTING RH (AND LH) SIDE OF MAIN TRASMISSION
WIRING: VEHICLE INTERFACE WIRING WITH BODY BUILDER CONNECTOR MOUNTED BACK OF CAB

FRONT AXLE AND EQUIPMENT ☐ Yes ☐ No

The Unit shall be provided with a front axle and suspension with a load rating not less than 20,000 lbs., meeting or exceeding the following specifications:

FRONT AXLE: DETROIT DA-F-20.0-5 20000 LBS FL1 71.0 KPI/3.74 DROP SINGLE BRAKES, FRONT AIR-CAM: MERITOR 16.5X6 Q+ CAST SPIDER CAM, DOUBLE
ANCHOR, FABRICATED SHOES
DUST SHIELDS: FRONT BRAKE
SLACK ADJUSTERS: MERITOR, AUTOMATIC, FRONT
STEERING GEAR: TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR POWER STEERING: 4-QUART POWER STEERING RESERVOIR

FRONT SUSPENSION ☐ Yes ☐ No

SUSPENSION, FRONT: 20000LBS CAPACITY, WITH SHOCK ABSORBERS SPRING PINS: GRAPHITE BRONZE BUSHINGS WITH SEALS

REAR AXLE AND EQUIPMENT ☐ Yes ☐ No

The Unit shall be provided with a rear axle and suspension with a load rating not less than 46,000 lbs., meeting or exceeding the following specifications:

AXLE, REAR, TANDEM: RT-46-160 46000LBS CAPACITY R-SERIES, RATIO 5.63
BRAKES, REAR, AIR-CAM: MERITOR 16.5X7 Q+ CAST SPIDER CAM, DOUBLE ANCHOR, FABRICATED SHOES
DUST SHIELDS: REAR BRAKE
BRAKE CHAMBERS, REAR AXLE: HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS
SLACK ADJUSTERS, AUTOMATIC: HALDEX, REAR

REAR SUSPENSION ☐ Yes ☐ No

SUSPENSION, REAR: HENDRICKSON RT463 REAR SUSPENSION @ 46000 LBS CAPACITY, STANDARD U-BOLT PAD, FORE/AFT CONTROL RODS
SUSPENSION, REAR: 54" AXLE SPACING

BRAKE SYSTEM ☐ Yes ☐ No

The truck shall be provided with full air brake equipment for all wheels, with automatic slack adjusters, anti-lock brake system and heavy duty, non-asbestos lining material, meeting or exceeding the following specifications:

BRAKE SYSTEM: WABCO 4S/4M ABS WITHOUT TRACTION CONTROL
BRAKE LINES: REINFORCED NYLON, FABRIC BRAID, AND WIRE BRAID CHASSIS AIR LINES
DRAIN VALVES: STANDARD BRAKE SYSTEM VALVES
AIR DRYER: BW AD-IP BRAKE LINE AIR DRYER WIT H HEATER
AIR DRYER LOCATION: MOUNTED OUTBOARD ON RH RAIL BACK OF CAB, MAX.
20" BACK OF CAB PROTRUSION

FUEL TANKS ☐ Yes ☐ No

FUEL TANK: 90 GALLON MINIMUM ALUMINUM FUEL TANK WITH STAINLESS STEEL BANDS

TIRES ☐ Yes ☐ No

FRONT: MICHELIN XYZ-3 425/65R22.5 20 PLY RADIAL TIRES REAR: MICHELIN XDE
M/S 11R22.5 16 PLY RADIAL TIRES OR EQUAL

WHEELS ☐ Yes ☐ No

FRONT: ALCOA LVL ONE 82462X 22.5X12.25 10-HUB PILOT 4.68 INSET 10 HAND ALUMINUM DISC, CONMET PRE-SET BEARING IRON FRONT HUBS
REAR: ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT ALUMINUM DISC, CONMET PRE-SET BEARING IRON REAR HUBS
PAINTED STEEL WHEELS SHALL BE ALLOWED.

CAB EXTERIOR ☐ Yes ☐ No

CAB: CONVENTIONAL, 114" BBC FLAT ROOF ALUMINUM
GRAB HANDLES: LH AND RH SIDES
GRILLE: STATIONARY, BLACK, MOUNTED AIR INTAKE GRILLE FRONT END: FIBERGLASS
HOOD
HORN: SINGLE OR DUAL, ELECTRIC
HEADLIGHTS: HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS MARKER LIGHTS: LED
AERODYNAMIC
RUNNING LIGHTS: DAYTIME – LOW BEAM ONLY
STOP/TAIL/TURN/ BACKUP LIGHTS – GROTE #54332 LED LIGHTS GROMMET MOUNTED WITH SEPARATE
GROTE #62401 LED BACKUP LIGHTS
MIRRORS: DUAL WEST COAST MOLDED-IN COLOR MIRRORS, DOOR MOUNTED, LH AND RH 8" MOLDED-IN
COLOR CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS
GLASS: ALL WINDOWS TINTED

CAB INTERIOR ☐ Yes ☐ No

CAB INTERIOR: OPAL GRAY VINYL INTERIOR INTERIOR DOOR PANEL:
MOLDED PLASTIC
FLOOR COVERING: BLACK MATS WITH SINGLE INSULATION LIGHTER: DASH
MOUNTED WITH ASH TRAYS
CONSOLE: FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT
NETTING

STORAGE POCKET: IN-DASH STORAGE BIN CUP HOLDERS: (2)
LH AND RH DASH
AIR CONDITIONER: HEATER, DEFROSTER INCLUDED

CLAMPS, HEATER: STANDARD HEATER PLUMBING
HVAC: STANDARD HVAC DUCTING ELECTRICAL SYSTEM: 12V
NEGATIVE GROUND
DOME LIGHT: 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS

SEAT, DRIVER: BASIC HIGH-BACK AIR SUSPENSION WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION
EXTENSION

SEAT BELT: 3-POINT, FIXED D-RING RETRACTOR SEAT BELT SEAT, PASSENGER: BASIC
HIGH-BACK, NON-SUSPENSION SEAT
SEAT BELT: 3-POINT, FIXED D-RING RETRACTOR SEAT BELT

ARMRESTS: LH AND RH INTEGRAL

STEERING WHEEL: 4-SPOKE, 18" STEERING WHEEL

STEERING COLUMN: FIXED

SUN VISORS: DRIVER AND PASSENGER INTERIOR

INSTRUMENTS AND CONTROLS ☐ Yes ☐ No

INSTRUMENT PANEL: GRAY DRIVER AND CENTER
AIR PRESSURE GAUGE: LOW AIR PRESSURE LIGHT AND BUZZER
BACK-UP ALARM: PRECO 1040 87 DB TO 112 DB AUTOMATIC SELF-ADJUSTING CRUISE CONTROL:
ELECTRONIC WITH SWITCHES IN LH SWITCH PANEL
STARTER SWITCH: KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION: 4 POSITION
OFF/RUN/START/ACCESSORY
ODOMETER/TRIP/HOUR/DIAGNOSTIC/VOLTAGE DISPLAY: 1X7 CHARACTER, 26
WARNING LAMPS, DATA LINKED, ICU3
GUAGE CLUSTER: 2" ELECTRIC FUEL GAUGE, ELECTRICAL ENGINE COOLANT TEMP. GAUGE, ELECTRIC ENGINE
OIL PRESSURE GAUGE, ELECTRONIC TACHOMETER
RADIO: AM/FM/WB RADIO WITH FRONT AUXILIARY INPUT

SPEAKERS: (2) IN CAB
ANTENNA: AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF WINDSHIELD WIPER,
SWITCH: INTEGRAL WITH TURN SIGNAL HANDLE WINDSHIELD WIPER: SINGLE, ELECTRIC MOTOR

WITH DELAY TURN SIGNAL SWITCH: SELF-CANCELING SWITCH WITH DIMMER, WASHER/WIPER, AND HAZARD IN HANDLE

TURN SIGNAL FLASHER: INTEGRAL ELECTRONIC FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS

ENGINE STOP: IGNITION SWITCH CONTROLLED

COLOR AND DESIGN ☐ **Yes** ☐ **No**

PAINT SCHEMATIC: CAB COLOR A: L0006EB WHITE ELITE BC PAINT TYPE: ONE SOLID COLOR

OTHER FACTORY CHARGES ☐ **Yes** ☐ **No**

FEDERAL EMISSIONS: 2013 OBD/2010 EPA/CARB/GHG 14 ESCALATOR WARRANTY: TOWING EXTENDED/ROADSIDE SERVICE WARRANTY, 2 YEAR/UNLIMITED MILES/KM, $550 CAP

DELIVERY: STANDARD DELIVERY CHARGE

EXCEPTIONS AND DEVIATIONS:

Bidder shall fully explain every variance, exception, and or deviation to the bid specifications. Additional sheets/lines may be added if required.

USE OF OTHER NAMES AND REFERENCES:

Unless otherwise stated, the use of manufacturer's name and product numbers are for descriptive purposes and establishing general quality levels only. They are not intended to be restrictive. Bidders are required to state exactly what they intend to furnish, otherwise, it is fully understood that they shall furnish all items stated.

BROCHURES AND LITERATURE:

Your proposal must be accompanied by descriptive literature (marked), indicating the exact items to be furnished. The term "as specified" will not be acceptable.