

NOTICE is hereby given that the CITY OF TULSA, OKLAHOMA will receive sealed Bids for the following:

BID # IFB 17-922

DESCRIPTION: High Pressure Sewer Cleaner

(Commodity Code(s): 072-08)

You are invited to submit a Bid to supply the Goods and/or Services specified above. Invitations for Bid (IFB) will be posted on the City's website at <u>www.cityoftulsapurchasing.org</u> or a hardcopy may be obtained at:

City of Tulsa-Purchasing Division 175 East 2nd Street, Suite 865 Tulsa Oklahoma 74103

Bids must be received no later than 5:00 PM (CST) on Wednesday, April 19, 2017, and delivered to:

City Clerk's Office 175 East 2nd Street, Suite 260 Tulsa Oklahoma 74103

Bids must be sealed and either mailed or delivered. No faxed or emailed Bids will be considered. Bids received after the stated date and time will not be accepted and will be returned to the Bidder unopened.

The Bid Packet consists of (1) this Notice of Invitation for Bid, (2) the Summary Sheet, (3) Form #1, (4) Form #2, (5) Form #3, (6) Form #4, (7) Form #5, (8) Form #6, (9) the Instructions, Terms and Conditions for Bidders, (10) Special Requirements, (11) Technical Specifications and (12) Exhibit A.

Use this checklist to ensure you have properly read and completed all Forms.

- _____ Notice of Invitation for Bid
- _____ Summary Sheet
- _____ Form #1: Bidder Information Sheet. Must be completed.
- _____ Form #2: Purchase Agreement. Complete legal name in first paragraph and Notice provision in Section 17.i. Original signature required.
- _____ Form #3: Interest Affidavit. Original signature and notarization required.
- _____ Form #4: Non-Collusion Affidavit. Original signature and notarization required.
- _____ Form #5: Affidavit of Claimant. Original signature and notarization required.
- _____ Form #6: Acknowledgment of Receipt of Addenda/Amendments. Must be completed and signed.
- _____ Instructions, Terms and Conditions for Bidders
- _____ Special Requirements (Offer Period; Insurance and Bonding; References)
- _____ Technical Specifications

_____ Exhibit A: Bid Form including Delivery and Pricing. This is your Bid. It must be completed or your Bid will be rejected.

IMPORTANT NOTE: Write the Bid Number, Bid Description (as listed above), and Bid Opening Date on the lower left corner of the outside of your Bid envelope. You must return the entire <u>completed</u> Bid Packet.



SUMMARY SHEET

Project Buyer

If you have any questions or need additional information, contact the assigned Project Buyer:

Patricia Cummings, CPPB pcummings@cityoftulsa.org

Include IFB 17-922 on the subject line

Bidder's Notice of Intent to Submit a Bid

Email the Project Buyer indicating your intent to Bid. Include IFB 17-922 on the subject line of the email. You will receive an email response verifying your notice of intent to bid was received. This same procedure should be followed to request clarification, in writing, of any point in the IFB. Bidders are encouraged to contact the Project Buyer by email if there is anything in these specifications that prevents you from submitting a Bid, or completing the Bid Packet.

Questions and concerns must be received no later than ten (10) days prior to the Bid Packet due date.

Issuing of Addenda

If you received the notice of this IFB from the City as a result of being registered to sell the commodity code(s) on this Bid, you should also receive notice of any addenda issued. If you are not registered with the City to sell the commodities listed herein, you must register as a supplier on the City of Tulsa Purchasing website (www.cityoftulsapurchasing.org) to receive notice of any addenda, or to receive notice of any future IFBs.

Pre-Bid Conference

If a pre-Bid conference will be held for this IFB, information on that conference will be inserted below:

Date_____ Time_____ Location

____Attendance at the Pre-Bid Conference is required to submit a Bid; however Bidders may make arrangements to attend via teleconference in some cases (contact the Project Buyer for details).

____Attendance is not required to submit a Bid.

Bid Packet Submission

The City requires two completed Bid packets: 1 Original and 1 Copy. Each must be clearly labeled on the front sheet indicating "Original" or "Copy". If a copy on electronic media is also required, the line below will be checked. _____Electronic Copy also required.

Responses to this Invitation for Bid must be made on the forms listed on page 1. The entire completed Bid Packet must be returned or your Bid may be rejected. Do not take exception to any portion of this Bid Packet. Do not make any entries except where required. Do not insert any other documents into the Bid Packet.

Bid Opening

All Bid openings are public and take place at 8:30 a.m. Thursday, the day after Bids are due. The Bid openings are held in the City of Tulsa Council Meeting Room, 175 East 2nd Street, 2nd Floor, Tulsa, Oklahoma.



FORM #1 BIDDER INFORMATION SHEET

Bidder's Exact Legal Name: (Must be Bidder's company name as reflected on its organizational	al documents, filed with the state in which bidder is organized; not simply a DBA)
State of Organization:	
Bidder's Type of Legal Entity: (check one) Sole Proprietorship Partnership Corporation Limited Partnership 	 () Limited Liability Company () Limited Liability Partnership () Other:
Bidder's Address:	
Street	City State Zip Code
Bidder's Website Address:	Email Address:
Sales Contact:	Legal or Alternate Sales Contact:
Street:	Street:
City:	City:
State:	State:
Phone:	Phone:
Fax:	Fax:
Email:	S Email:



Invitation For Bid 17-922 <u>High Pressure Sewer Cleaner</u> <u>Water & Sewer Department</u> Issued: March 30, 2017 <u>FORM #2 (Bage 1 of 4)</u>

FORM #2 (Page 1 of 4) PURCHASE AGREEMENT

INSTRUCTIONS: This document **must** be properly signed and returned or your Bid will be **rejected**. This form constitutes your offer and if accepted by the City of Tulsa will constitute the Purchase Agreement under which you are obligated to perform. Your signature on this document indicates you have read and understand these terms and agree to be bound by them.

THIS PURCHASE AGREEMENT is between the CITY OF TULSA, OKLAHOMA, a municipal corporation, 175 East 2nd Street, Tulsa, Oklahoma, 74103-3827 (the "City") and:

(Bidder's company name as reflected on its organizational documents, filed with the state in which bidder is organized; not simply a DBA) (the "Seller").

WITNESSETH:

WHEREAS, the City has approved certain specifications and advertised for or solicited Bids on the following goods or services:

Bid #17-917; High Pressure Sewer Cleaner

(the "Goods and/or Services"); and

WHEREAS, Seller desires to provide such Goods and/or Services to City, acknowledges that this document constitutes Seller's offer to provide the Goods and/or Services specified below, and further acknowledges that if executed by the City's Mayor, this document will become the Purchase Agreement for such Goods and/or Services.

NOW, THEREFORE, for and in consideration of the terms, covenants and conditions hereinafter set forth, the parties hereto agree as follows:

- 1. Documents Comprising the Agreement. The Bid Packet includes the Notice of Invitation to Bid, the Summary Sheet, Form #1, Form #2, Form #3, Form #4, Form #5, Form #6, the Instructions, Terms and Conditions for Bidders, the Special Requirements, the Technical Specifications, Exhibit A and any addenda or amendments to the Bid Packet. The Bid Packet is incorporated herein by this reference. In the event of conflicting or ambiguous language between this Purchase Agreement and any of the other Bid Packet documents, the parties shall be governed first according to this Purchase Agreement and second according to the remainder of the documents included in the Bid Packet. Seller may submit as part of its Bid additional materials or information to support the Bid. Additional materials or information submitted by Seller which are not ambiguous and which do not conflict with this Purchase Agreement or the other Bid Packet documents are incorporated herein by this reference.
- 2. Purchase and Sale. Seller agrees to sell City the Goods and/or Services for the price and upon the delivery terms set forth in Exhibit A hereto. City agrees to pay Seller the price as set forth in Exhibit A based on (a) the quantity actually purchased in the case of goods or services priced by unit, or (b) the total price for a stated quantity of goods or services, upon (i) delivery of the Goods and/or Services to the City, (ii) the City's Acceptance thereof, and (iii) Seller's submission and City's approval of a verified claim for the amount due. City shall not pay any late charges or fees.
- 3. Irrevocable Offer. Seller understands and acknowledges that its signature on this Agreement constitutes an irrevocable offer to provide the Goods and/or Services. There is no contract unless and until City's Mayor/Mayor Pro Tem executes this Agreement accepting Seller's Bid. No City officer, employee or agent except the Mayor (or Mayor Pro Tem) has the authority to award contracts or legally obligate the City to any contract. Seller shall not provide any Goods and/or Services to City pursuant to this Agreement before this Agreement is executed by City. If Seller provides any Goods and/or Services to City pursuant to this Agreement before this Agreement is executed by City, such Goods and/or Services are provided at Seller's risk and City shall have no obligation to pay for any such Goods and/or Services.
- 4. Term. The term of this Agreement shall be effective commencing on the date of execution of this Agreement by the Mayor/Mayor Pro Tem of the City of Tulsa and terminating one year from that date. Seller understands and acknowledges that any future contracts or renewals are neither automatic nor implied by this Agreement. The continuing purchase by City of the Goods and/or Services set forth in this Agreement is subject to City's needs and to City's annual appropriation of sufficient funds in City's fiscal year (July 1st to June 30th) in which such Goods and/or Services are purchased. In the event City does not appropriate or budget sufficient funds to perform this Agreement, this Agreement shall be null and void without further action by City.
- 5. Warranties. Seller shall assure that the Goods and/or Services purchased hereunder are covered by all available and applicable manufacturers' warranties for such Goods and/or Services. Seller expressly agrees that it will be responsible for performing all warranty obligations set forth in the Technical Specifications for the Goods and/or Services covered in this Agreement. Seller also warrants that the Goods and/or Services shall be of good materials and workmanship and free from defects for either a minimum of one (1) year from the date of Acceptance or installation by City, whichever is later, or as specified in the Technical Specifications, whichever is later. In no event shall Seller be allowed to disclaim or otherwise limit the express warranties set forth herein.
- 6. Warranty Remedies. City shall notify Seller if any of the Goods and/or Services fails to meet the warranties set forth above, and Seller shall promptly correct, repair or replace such Goods and/or Services at Seller's sole expense. Notwithstanding the foregoing, if such Goods and/or Services shall be determined by City to be defective or non-conforming within the first thirty (30) days after the date of Acceptance by City, then City at its option shall be entitled to a complete refund of the purchase price and, in the case of Goods, shall promptly return such Goods to Seller. Seller shall pay all expenses related to the return of such Goods to Seller.



Invitation For Bid 17-922 <u>High Pressure Sewer Cleaner</u> <u>Water & Sewer Department</u> Issued: March 30, 2017 FORM #2 (Page 2 of 4) PURCHASE AGREEMENT

- 7. Seller Bears Risk. The risk of loss or damage shall be borne by Seller at all times until the Acceptance of the Goods or Services by City.
- 8. No Indemnification by City. Seller understands and acknowledges that City is a municipal corporation that is funded by its taxpayers to operate for the benefit of its citizens. Accordingly, and pursuant to Oklahoma law, City shall not indemnify nor hold Seller harmless for loss, damage, expense or liability arising from or related to this Agreement, including any attorneys' fees and costs. In addition, Seller shall not limit its liability to City for actual loss or direct damages for any claim based on a material breach of this Agreement and the documents incorporated herein. City reserves the right to pursue all legal and equitable remedies to which it may be entitled.
- 9. Indemnification by Seller. Seller agrees to indemnify, defend, and save harmless City and its officers, employees and agents from all suits and actions of any nature brought against them due to the use of patented appliances, products or processes provided by Seller hereunder. Seller shall pay all royalties and charges incident to such patents.
- 10. **No Insurance by City.** If City is leasing Goods herein, City shall not be required to obtain insurance for Seller's property. Seller shall be solely responsible for any insurance it deems necessary. City is self-insured for its own negligence, subject to the limits of the Governmental Tort Claims Act (51 O.S. § 151 et seq.).
- 11. **No Confidentiality.** Seller understands and acknowledges that City is subject to the Oklahoma Open Records Act (51 O.S. §24A.1 et seq.) and therefore cannot assure the confidentiality of contract terms or other information provided by Seller pursuant to this Agreement that would be inconsistent with City's compliance with its statutory requirements thereunder.
- 12. **Non-Responsive Bids.** Seller understands and acknowledges that if it adds terms and conditions to its Bid that are different from the terms set forth herein that its Bid may be rejected as non-responsive. Furthermore, if City accepts Seller's Bid and awards a contract to Seller based on such Bid, City shall not be bound to any exceptions, changes or additions made by Seller, and any terms and conditions added by Seller which are not expressly agreed to by City in writing will be void and of no force and effect and the parties will be governed according to the document precedence set forth in Section 1 above.
- 13. Compliance with Laws. Seller shall be responsible for complying with all applicable federal, state and local laws, regulations and standards. Seller is responsible for any costs of such compliance. Seller certifies that it and all of its subcontractors to be used in the performance of this Purchase Agreement are in compliance with 25 O.S. Sec. 1313 and participate in the Status Verification System. The Status Verification System is defined in 25 O.S. Sec. 1312 and includes but is not limited to the free Employee Verification Program (E-Verify) available at www.dhs.gov/E-Verify.
- 14. **Termination.** City, by written notice, may terminate this Agreement, in whole or in part, when such action is in the best interest of City. If this Agreement is so terminated, City shall be liable only for payment for Goods accepted and Services rendered prior to the effective date of termination. City's right to terminate this Agreement is cumulative to any other rights and remedies provided by law or by this Agreement.
- 15. **Price Changes.** The parties understand and agree that the variables in Seller's cost of performance may fluctuate, but any change in Seller's cost of performance will not alter its obligations under this Agreement, nor excuse performance or delay on Seller's part. If the IFB provides that Seller may include a price escalation provision in its Bid, Seller's price escalation provision will be evaluated by City as part of Seller's Bid price when awarding the Bid.
- 16. **Right to Audit.** The parties agree that Seller's books, records, documents, accounting procedures, practices, price lists or any other items related to the Goods and/or Services provided hereunder are subject to inspection, examination, and copying by City or its designees. Seller is required to retain all records related to this Agreement for the duration of the term of this Agreement and a period of three years following completion and/or termination of the Agreement. If an audit, litigation or other action involving such records begins before the end of the three year period, the records shall be maintained for three years after the date that all issues arising out of the action are resolved or until the end of the three year retention period, whichever is later.
- 17. **Notice.** Any notice, demand, or request required by or made pursuant to this Agreement shall be deemed properly made if personally delivered in writing or deposited in the United States mail, postage prepaid, to the addresses specified below.
 - i. To Seller:

To CITY:

With a copy to:

City Clerk CITY OF TULSA, OKLAHOMA 175 E. 2nd Street, Suite 260 Tulsa, Oklahoma 74103 [title] [address]______

18. Relationship of Parties. The Seller is, and shall remain at all times, an independent contractor with respect to activities and conduct while engaged in the performance of services for the City under this Agreement. No employees, subcontractors or agents of the Seller shall be deemed to be employees of the City for any purpose whatsoever, and none shall be eligible to participate in any benefit program provided by the City for its employees. The Seller shall be solely responsible for the payment of all employee wages and salaries, taxes,



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withholding payments, fringe benefits, insurance premiums, continuing education courses, materials or related expenses on behalf of its employees, subcontractors, and agents. Nothing in this Agreement shall be construed to create a partnership, joint venture, or agency relationship among the parties. No party shall have any right, power or authority to act as a legal representative of another party, and no party shall have any power to obligate or bind another party, or to make any representations, express or implied, on behalf of or in the name of the other in any manner or for any purpose whatsoever.

- 19. **Third Parties.** This Agreement is between City and Seller and creates no right unto or duties to any other person. No person is or shall be deemed a third party beneficiary of this Agreement.
- 20. Time of Essence. City and Seller agree that time is deemed to be of the essence with respect to this Agreement.
- 21. **Binding Effect.** This Agreement shall be binding upon City and Seller and their respective successors, heirs, legal representatives and permitted assigns.
- 22. Headings. The headings used herein are for convenience only and shall not be used in interpreting this Agreement
- 23. **Severability Provision.** If any term or provision herein is determined to be illegal or unenforceable, the remainder of this Agreement will not be affected thereby. It is the intention of the parties that if any provision is held to be illegal, invalid or unenforceable, there will be added in lieu thereof a provision as similar in terms to such provision as is possible to be legal, valid and enforceable.
- 24. **Governing Law And Venue.** This Agreement is executed in and shall be governed by and construed in accordance with the laws of the State of Oklahoma without regard to its choice of law principles, which shall be the forum for any lawsuits arising under this Agreement or incident thereto. The parties stipulate that venue is proper in a court of competent jurisdiction in Tulsa County, Oklahoma and each party waives any objection to such venue. City does not and will not agree to binding arbitration of any disputes.
- 25. **No Waiver.** A waiver of any breach of any provision of this Agreement shall not constitute or operate as a waiver of any other provision, nor shall any failure to enforce any provision hereof operate as a waiver of the enforcement of such provision or any other provision.
- 26. Entire Agreement/No Assignment. This Agreement and any documents incorporated herein constitute the entire agreement of the parties and supersede any and all prior agreements, oral or otherwise. This Agreement may only be modified or amended in a writing signed by both parties. Notwithstanding anything to the contrary stated herein or in the attachments to this Agreement, no future agreements, revisions or modifications that may be required under this Agreement are effective or enforceable unless such terms, revisions or modifications have been reduced to writing and signed by City and Seller. Seller may not assign this Agreement or use subcontractors to provide the Goods and/or Services without City's prior written consent. Seller shall not be entitled to any claim for extras of any kind or nature.
- 27. **Multiple Counterparts.** This Agreement may be executed in several counterparts, each of which shall be deemed an original, but which together shall constitute one and the same instrument.
- 28. Interpretive Matters and Definitions. The following interpretive matters shall be applicable to this Agreement:

28.1 Unless the context otherwise requires: (a) all references to Sections are to Sections of or to this Agreement; (b) each term defined in this Agreement has the meaning assigned to it; (c) "or" is disjunctive but not necessarily exclusive; (d) words in a singular include the plural and vice versa. All references to "\$" or to dollar amounts shall be in lawful currency of the United States of America;

28.2 No provision of this Agreement will be interpreted in favor of, or against, any of the parties hereto by reason of the extent to which such party or its counsel participated in the drafting thereof or by reason of the extent to which any such provision is inconsistent with any prior draft hereof or thereof;

28.3 Any reference to any applicable laws shall be deemed to refer to all rules and regulations promulgated thereunder and judicial interpretations thereof, unless the context requires otherwise;

- 28.4 The word "including" means "including, without limitation" and does not limit the preceding words or terms; and
- 28.5 All words used in this Agreement shall be construed to be of such gender, number or tense as circumstances require.
- 29. **Equal Employment Opportunity.** Each bidder agrees to comply with all applicable laws regarding equal employment opportunity and nondiscrimination.
- 30. Authority to Bind. The undersigned individual states that s/he has authority to bind Seller to this Agreement, that s/he has read and understands the terms of this Agreement, and that Seller agrees to be bound by this Agreement and its incorporated documents.



FORM #2 (Page 4 of 4) PURCHASE AGREEMENT

IMPORTANT NOTE: This document must be signed by the proper person as set forth in Instructions, Terms and Conditions for Bidders, paragraph 4. FAILURE TO SUBMIT PROPERLY AUTHORIZED SIGNATURE MAY RESULT IN YOUR BID BEING REJECTED AS NONRESPONSIVE.

IN WITNESS WHEREOF, this Agreement has been executed in multiple copies on the dates set forth below to be effective during the period recited above.

		Seller Company Name:	E' X		
		<u>Sign Here</u> ►	×*/		
ATTEST:		Printed Name:	**		
Corporate Secretary		B Title: 98	**		
		Date:	*		
Company Name/Addres	s [Please Print]	Address	City	State	Zip Code
() - Telephone Number) - ax Number	Email Address	-	
		CITY OF TULSA, OKLAH a municipal corporation,	IOMA,		
ATTEST:		<u>By:</u> Mayor	$\langle \overline{\mathbf{S}} \rangle$		
City Clerk		Date:	\sim		

Assistant City Attorney



FORM #3

INTEREST AFFIDAVIT

)ss.

STATE OF _____

COUNTY OF

I, _______, of lawful age, being first duly sworn, state that I am the agent authorized by Seller to submit the attached Bid. Affiant further states that no officer or employee of the City of Tulsa either directly or indirectly owns a five percent (5%) interest or more in the Bidder's business or such a percentage that constitutes a controlling interest. Affiant further states that the following officers and/or employees of the City of Tulsa own an interest in the Bidder's business which is less than a controlling interest, either direct or indirect.

191 1	7	1 Sun
2	By:Signatur Title:	re
Subscribed and sworn to before me this	day of	, 20
Notary Public		
My Commission Expires:		
Notary Commission Number:		
County & State Where Notarized:		

The Affidavit must be signed by an authorized agent and notarized



FORM #4

NON-COLLUSION AFFIDAVIT

(Required by Oklahoma law, 74 O.S. §85.22-85.25)

STATE OF))ss.
COUNTY OF_	** 1 5'3 **
I,(Seller's	s Authorized Agent), of lawful age, being first duly sworn, state that:
1.	I am the authorized agent of Seller herein for the purposes of certifying facts pertaining to the existence of collusion between and among Bidders and municipal officials or employees, as well as facts pertaining to the giving or offering of things of value to government personnel in return for special consideration in the letting of any contract pursuant to the Bid to which this statement is attached.
2.	I am fully aware of the facts and circumstances surrounding the making of Seller's Bid to which this statement is attached, and I have been personally and directly involved in the proceedings leading to the submission of such Bid; and
3.	 Neither the Seller nor anyone subject to the Seller's direction or control has been a party: a. to any collusion among Bidders in restraint of freedom of competition by agreement to Bid at a fixed price or to refrain from Bidding, b. to any collusion with any municipal official or employee as to quantity, quality, or price in the prospective contract, or as to any other terms of such prospective contract, nor c. in any discussions between Bidders and any municipal official concerning exchange of money or other thing of value for special consideration in the letting of a contract.
	By:Signature Title:
Subscribed and	sworn to before me thisday of, 20
Notary Public	
My Commission	Expires:
	sion Number:
County & State	Where Notarized:

The Affidavit must be signed by an authorized agent and notarized



FORM #5

AFFIDAVIT OF CLAIMANT

STATE OF

)ss.

)

COUNTY OF

The undersigned person, of lawful age, being first duly sworn on oath, says that all invoices to be submitted pursuant to this agreement with the City of Tulsa will be true and correct. Affiant further states that the work, services or material furnished will be completed or supplied in accordance with the plans, specifications, orders, requests and/or contract furnished or executed by the affiant. Affiant further states that (s)he has made no payment directly or indirectly to any elected official, officer or employee of the City of Tulsa or of any public trust where the City of Tulsa is a beneficiary, of money or any other thing of value to obtain payment of the invoice or procure the contract or purchase order pursuant to which an invoice is submitted. Affiant further certifies that (s)he has complied with all applicable laws regarding equal employment opportunity.

	Company:
	Remit to Address: City, State Zip:
	Phone:
	Name (print):
	Signature:
	Title:
Subscribed and sworn to before me this day of	<u>, 20</u>
Notary Public	
My commission expires: My commission number: County and State where notarized:	

The Affidavit must be signed by an authorized agent and notarized



FORM #6

ACKNOWLEDGMENT OF RECEIPT OF ADDENDA/AMENDMENTS

I hereby acknowledge receipt of the following addenda or amendments, and understand that such addenda or amendments are incorporated into the Bid Packet and will become a part of any resulting contract.

List Date and Title/Number of all addenda or amendments: (Write "None" if applicable).

**	5 1 **
**	**
/**/ TO	Toe **
*	*
*	*
*	×
	Sign Here ► Printed Name: Title: Date:



INSTRUCTIONS, TERMS AND CONDITIONS FOR BIDDERS

- 1. **PURCHASING AUTHORITY.** City issues this Invitation For Bid pursuant to Tulsa City Charter, Art. XII, §14 and Tulsa Revised Ordinances, Title 6, Ch. 4, the provisions of which are incorporated herein.
- DEFINITIONS. The following terms have the following meanings when used in the documents comprising this Bid Packet.
 A. "Acceptance" with respect to a Bid shall mean the City's selection of a Bid, and award of a contract to the Bidder/Seller.

B. **"Acceptance"** with respect to delivery of Goods and/or Services provided under a Purchase Agreement shall mean City's written acknowledgement that Seller has satisfactorily provided such Goods and/or Services as required.

C. "Addenda" "Addendum" or "Amendment(s)" shall mean a clarification, revision, addition, or deletion to this Invitation For Bid by City which shall become a part of the agreement between the parties.

D. "Authorized Agent" means an agent who is legally authorized to bind the Seller under the law of the State in which the Seller is legally organized. An Authorized Agent must sign all documents in the Bid Packet on behalf of the Seller. Under Oklahoma law, the Authorized Agent for each of the following types of entities is as stated below:

- Corporations the president, vice president, board chair or board vice chair can sign; others can sign if they have and provide the City with (i) a corporate resolution giving them authority to bind the Seller, <u>and</u> (ii) a recent corporate secretary's certificate indicating the authority is still valid.
- General Partnerships any partner can sign to bind all partners.
- Limited Partnerships the general partner must sign.
- o Individuals no additional authorization is required, but signatures must be witnessed and notarized.
- **Sole Proprietorship** the owner can sign. Any other person can sign if s/he provides a recent Power of Attorney, signed by the owner, authorizing him/her to bind the sole proprietorship.
- Limited Liability Company (LLC) The manager as named in the Operating Agreement can sign. Any person authorized by the Operating Agreement or a member can sign providing the person submits a copy of the authorization with a certificate of the members indicating the authorization is still valid.

Entities organized in States other than Oklahoma must follow the law of the State in which they are organized.

E. "**Bid**" means the Seller's offer to provide the requested Goods and/or Services set forth in Exhibit A and any additional materials or information the Seller chooses to submit to support the Bid.

F. "Bidder" means the legal entity which submits a Bid for consideration by City in accordance with the Invitation For Bid.

G. "**Bid Packet**" consists of the following documents (1) the Notice of Invitation for Bid, (2) the Summary Sheet, (3) Form #1, (4) Form #2, (5) Form #3, (6) Form #4, (7) Form #5, (8) Form #6, (9) the Instructions, Terms and Conditions for Bidders, (10) Special Requirements, (11)Technical Specifications, and (12) Exhibit A.

H. "Bid Submission Date" shall mean the last date by which the City will accept Bids for an Invitation For Bid.

I. "City" shall mean the City of Tulsa, Oklahoma.

J. "Days" shall mean calendar days unless specified otherwise.

K. "**Primary Seller**" shall mean the Seller whose Bid City selected as the principal supplier of the Goods and/or Services required under this Agreement.

L. "Project Buyer" shall mean the City's employee assigned to serve as the contact person for Bidders/Sellers responding to Invitations For Bid or completing contracts herein.

M. "**Purchasing Division or Office**" shall mean the City of Tulsa's Purchasing Division, located at 175 East 2nd Street, Suite 865, Tulsa, Oklahoma 74103

N. "Secondary Seller" shall mean the Seller whose Bid City selected as a back-up supplier in the event the Primary Seller is unable to provide all the Goods and/or Services required.



O. "Seller" shall mean the Bidder whose Bid City selected and awarded a contract.

P. "You" or "Your" shall mean the Bidder responding to this Invitation For Bid or the Seller whose Bid the City selected and awarded a contract.

- Q. "Website" shall mean the City of Tulsa's website for the Purchasing Division: www.cityoftulsapurchasing.org.
- 3. QUESTIONS REGARDING INVITATION FOR BID. Questions regarding any portion of this Invitation For Bid must be submitted in writing (sent by mail, fax or email) to the Project Buyer indicated on the Summary Sheet herein. You should submit questions as early as possible and preferably before the pre-Bid conference. Questions and concerns must be received no later than seven (7) days prior to the Bid Packet due date. Any oral responses to questions before the contract is awarded are not binding on City. At City's discretion, any information or clarification made to you may be communicated to other Bidders that notified City of their intent to Bid if appropriate to ensure fairness in the process for all Bidders. You must not discuss questions regarding the Invitation For Bid with anyone other than the Project Buyer or other Purchasing Division staff or your Bid may be disqualified, any contract recommendation or Acceptance may be rescinded, or any contract may be terminated and delivered Goods returned at your expense and City refunded any payments made.
- 4. ORAL STATEMENTS. No oral statements by any person shall modify or otherwise affect the provisions of this Invitation For Bid and/or any contract resulting therefrom. All modifications, addenda or amendments must be made in writing by City's Purchasing Division.
- 5. EXAMINATION BY BIDDERS. You must examine the specifications, drawings, schedules, special instructions and the documents in this Bid Packet prior to submitting any Bid. Failure to examine such documents and any errors made in the preparation of such Bid are at your own risk.
- 6. ADDENDA OR AMENDMENTS TO INVITATIONS FOR BID. City may addend or amend its Invitation For Bid at any time before the Bid Submission Date, and any such addenda or amendments shall become a part of this Agreement. City will attempt to send a notification (by fax or email) of any addenda or amendments to those Bidders who have responded to the City's Project Buyer of their intent to respond to the Invitation For Bid. However, it is your responsibility to inquire about any addenda or amendments, which will be available from the City's Purchasing Division and its website. You must acknowledge receipt of any addenda or amendments by signing and returning the Acknowledgment of Receipt of Addenda/Amendments form and attaching it to this Invitation For Bid with your Bid. City may reject any Bid that fails to acknowledge any addenda or amendments.
- 7. SPECIFICATIONS/DESCRIPTIVE TERMS/SUBSTITUTIONS. Unless the term "no substitute" is used, the City's references to a brand name, manufacturer, make, or catalogue designation in describing an item in this Bid Packet does not restrict you to that brand or model, etc. The City may make such references to indicate the type, character, quality and/or performance equivalent of the item desired. However, you are required to furnish the exact item described in your Bid unless a proposed substitution is clearly noted and described in the Bid.

The parties recognize that technology may change during the period Bids are solicited and subsequent contracts are performed. Therefore, City may at its option accept changes or substitutions to the specifications for Goods of equal or better capabilities at no additional cost to City. In the case of existing contracts, you shall give City 30 days advance notice in writing of any such proposed changes or substitutions. City shall determine whether such items are acceptable as well as any proposed substitute.

All Goods shall be new unless otherwise so stated in the Bid. Any unsolicited alternate Bid, or any changes, insertions, or omissions to the terms and conditions, specifications, or any other requirements of this Bid, may be considered non-responsive and the Bid rejected.

- 8. PRICES/DISCOUNTS. Prices shall be stated in the units and quantity specified in the Bid Packet documents. In case of discrepancy in computing the Bid amount, you guarantee unit prices to be correct and such unit prices will govern. Prices shall include transportation, delivery, packing and container charges, prepaid by you to the destination specified in the Specifications. Discounts for prompt payment will not be considered in Bid evaluations, unless otherwise specified. However, offered discounts for prompt payment will be taken if payment is made within the discount period.
- **9. DELIVERY.** All prices quoted shall be based on delivery F.O.B. Tulsa, Oklahoma or to any other points as may be designated in the Technical Specifications, with all charges prepaid by Seller to the actual point of delivery. Bids must state the number of days required for delivery under normal conditions.



- 10. TAXES. City is exempt from federal excise and state sales taxes and such taxes shall not be included in the Bid prices.
- 11. BID SUBMISSION. The Bid Packet forms must be prepared in the name of Bidder and properly executed by an Authorized Agent with full knowledge and acceptance of all provisions, in ink and notarized. Bids may not be changed or withdrawn after the deadline for submitting Bids (the "Bid Submission Date"). A Bid is an irrevocable offer and when accepted by City (as evidenced by City's execution of the Purchase Agreement) shall constitute a firm contract.
 - A. <u>BIDS MUST BE SUBMITTED ONLY ON THE BID PACKET FORMS AND SIGNED BY AN AUTHORIZED AGENT.</u> THE ENTIRE BID PACKET MUST BE RETURNED AS RECEIVED WITH ALL FORMS COMPLETED. YOU MAY ATTACH, AFTER EXHIBIT A, ANY DOCUMENTS NECESSARY TO COMPLETELY AND ACCURATELY RESPOND TO THE REQUEST. BIDS MUST BE IN STRICT CONFORMANCE WITH ALL INSTRUCTIONS, FORMS, AND SPECIFICATIONS CONTAINED IN THIS BID PACKET.
 - B. Sealed Bids may be either mailed or delivered, but must be received at:
 - City of Tulsa Office of City Clerk
 - 175 East 2nd Street, Suite 260
 - Tulsa, Oklahoma 74103
 - **C.** Bids will be accepted at the above address from 8:00 a.m. to 5:00 p.m., Monday thru Friday except for City holidays. City is not responsible for the failure of Bids to be received by the City Clerk's Office prior to the due date and time.
 - D. Late Bids will be rejected. The Purchasing Agent, in his sole discretion, may make exceptions only for the following reasons:
 - 1. City Hall closed for business for part or all of the day on the date the response was due;
 - 2. If the City deems it appropriate due to large-scale disruptions in the transportation industry that may have prevented delivery as required.
 - 3. If documented weather conditions caused the late delivery. You must provide documentation of such weather to the satisfaction of the Purchasing Agent.
 - E. City will not accept faxed Bids, nor will City accept Bids faxed to the City Clerk, Purchasing Division or Office, or any other City office or employee.
 - F. City is not responsible for any of your costs in preparing the Bid response, attending a pre-Bid conference, or any other costs you incur, regardless of whether the Bid is submitted, accepted or rejected.
 - **G.** All Bids must be securely sealed and plainly marked with the Bid Number, Bid Title, and Bid Opening Date on the lower left corner of the outside of the Bid envelope. Your name and address must also be clearly indicated on the envelope.
 - H. If submitting multiple options ("Option(s)") to the Invitation for Bid, each will be considered separately requiring each response to be complete and accurate. Each Option must be clearly marked as Option 1 of 3, Option 2 of 3, etc.
 - I. The number of copies you must submit is listed on the Summary Sheet in the front of the Bid Packet. However, at a minimum, there will be (1) an original, clearly labeled as such in 1" red letters on the Bid Packet cover page, and (2) a copy for City's Purchasing Division, clearly labeled as such in 1" red letters on the Bid Packet cover page. If binders are used, they must also be labeled.
 - J. Multiple boxes or envelopes are permissible, but must not weigh more than 50 pounds. Each box must be labeled as instructed herein and numbered (i.e., Box 1 of 3; Box 2 of 3). The original must be in Box #1.
 - K. The original and all copies (either paper or electronic) must be identical in all respects. Bids must be completed and submitted in ink or typewritten. Bids written in pencil will be rejected. Any corrections to the Bids must be initialed in ink.

12. BID REJECTION OR WITHDRAWL.

- A. City may reject any or all Bids, in whole or in part.
- B. A Bid may be rejected if it contains additional terms, conditions, or agreements that modify the requirements of this Invitation For Bid or attempts to limit Bidder's liability to the City.
- C. A Bid may be rejected if Bidder is currently in default to City on any other contract or has an outstanding indebtedness of any kind to City.
- D. City reserves the right to waive any formalities or minor irregularities, defects, or errors in Bids.
- E. Bid withdrawal may only be accomplished by an Authorized Agent requesting the withdrawal in person at the City Clerk's office before the City's close of business on the Bid Submission Date.
- **13. BID RESULTS.** A tabulation of Bids received will be made available on the City's Purchasing Division website generally within 5 working days after the Bid Opening Date. After a contract award is recommended to the Mayor, a copy of the Bid summary will be available in the City Clerk's Office. Bid results are not provided in response to telephone or email inquiries.
- 14. **PURCHASE ORDER.** In the event that it is determined by the City to be in the best interests of the City, the City, in its sole discretion, may issue a Purchase Order rather than execute the Purchase Agreement to purchase the Goods. If a Purchase Order is issued, however, the terms of the Bid Packet documents, including the Purchase Agreement, will govern the transaction and be enforceable by the City and Bidder/Seller.

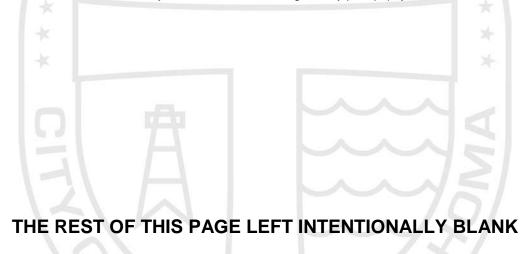




- **15. CONTRACT AWARD.** If a contract is awarded, it will be awarded to the Bidder that City determines is the lowest secure Bidder meeting specifications. Such Bid analysis will consider price and other factors, such as Bidder qualifications and financial ability to perform the contract, as well as operating costs, delivery time, maintenance requirements, performance data, history of contract relations with City, and guarantees of materials and equipment, as applicable. A complete list of the factors that are considered is set forth in Tulsa Revised Ordinances, Title 6, Ch. 4, §406E. Unless otherwise noted, City reserves the right to award a contract by item, one or more groups of items, or all the items in the Bid, whichever is in City's best interest.
- 16. IRS FORM W-9. If City selects your Bid and awards a contract to you, you will have ten (10) days from notification of the award to provide City with your complete IRS Form W-9.
- 17. NOTICE TO PROCEED. If City accepts your Bid and executes the Purchase Agreement, you shall not commence work until authorized to do so by the Purchasing Agent or his representative. Receipt of a Purchase Order from the City is notice to proceed.
- **18. PAYMENTS.** Invoices should be e-mailed to City of Tulsa Accounts Payable at:

apinvoices@cityoftulsa.org

Payment will be made Net 30 days after receipt of a properly submitted invoice or the City's Acceptance of the Goods and/or Services, whichever is later, unless City decides to take advantage of any prompt payment discount included in the Bid.



TULS



SPECIAL REQUIREMENTS

1. Irrevocable Offer Period. You understand and acknowledge that the offer submitted as your Bid is firm and irrevocable from the City's close of business on the Bid Submission Date until _____365____ days after the Bid Opening Date.

2. General Liability/Indemnification. You shall hold City harmless for any loss, damage or claims arising from or related to your performance of the Purchase Agreement. You must exercise all reasonable and customary precautions to prevent any harm or loss to all persons and property related to the Purchase Agreement. You agree to indemnify and hold the City harmless from all claims, demands, causes of action or suits of whatever nature arising out of the Goods, Services, labor, or materials furnished by you or your subcontractors under the provisions of the Bid Packet documents.

3. Liens. Pursuant to City's Charter (Art. XII, §5), no lien of any kind shall exist against any property of City. Bidder shall deliver all goods to City free and clear of liens. Delivery by Seller to City of goods which are subject to liens under the Purchase Agreement shall be a material breach of the Purchase Agreement and all damages and costs incurred by City as a result of the existence of such liens shall be paid to City by Seller. At City's option, City may return such goods to Seller and Seller shall pay the cost of returning such goods and reimburse City for any payments made for such goods.

4. Insurance. If checked "Yes," the following insurance is required: Yes: No:

Seller and its subcontractors must obtain at Seller's expense and keep in effect during the term of the Purchase Agreement, including any renewal periods, policies of General Liability insurance in the minimum amounts set forth below and Workers' Compensation insurance in the statutory limits required by law.

Personal injury, each person	\$ 175,000.00
Property damage, each person	\$ 25,000.00
Auto Liability, each occurrence	\$ 1,000,000.00
Personal injury and property damage, each occurrence	\$ 1,000,000.00
Workers' Compensation	(Statutory limits)

SELLER'S INSURER MUST BE AUTHORIZED TO TRANSACT BUSINESS IN THE STATE OF OKLAHOMA.

You will have 10 days after notification that your Bid was selected for contract award by City to provide proof of such coverage by providing the assigned Project Buyer shown on the Summary Sheet of this Bid Packet with a Certificate of Insurance. The Certificate of Insurance must be completed with the following information:

- A. Your name
- B. Insurer's name and address
- C. Policy number
- D. Liability coverage and amounts
- E. Commencement and expiration dates
- F. Signature of authorized agent of insurer
- G. Invitation for Bid number

The Seller shall not cause any required insurance policy to be cancelled or to permit it to lapse. It is the responsibility of Seller to notify City of any change in coverage or insurer by providing City with an updated Certificate of Liability Insurance. Failure of Seller to comply with the insurance requirements herein may be deemed a breach of the Purchase Agreement. Further, a Seller who fails to keep required insurance policies in effect may be deemed to be ineligible to bid on future projects, ineligible to respond to invitations for bid, and/or ineligible to engage in any new purchase agreements

5. Bonding.

A. Bid Bond. If the box is checked "Yes," the Bid Bond is required:

Yes: ____ No: x___

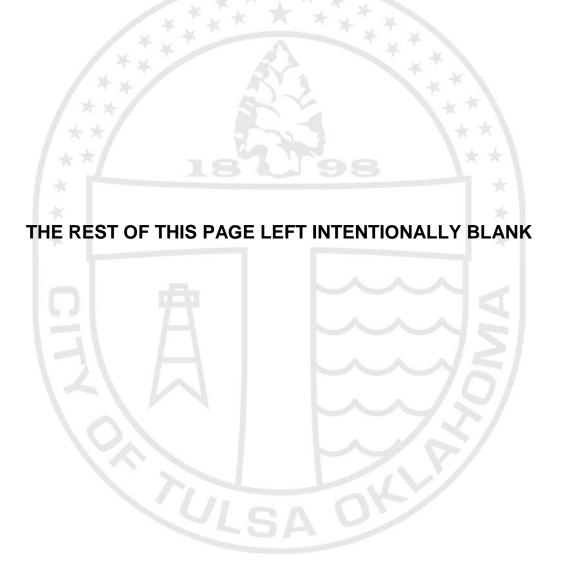
B. Performance Bond. If the box is checked "Yes," the Performance Bond is required:



6. References. If the box is checked "Yes," References are required:

Yes:___ No: x___

For each reference, the following information must be included: Company Name, Contact Name, Address, Phone Number, E-Mail Address, and the nature of their relationship with the Bidder.







TECHNICAL SPECIFICATIONS

ATTENTION: In Section 2 (Bidder's Proposal Column). The bidder shall respond to each minimum requirement (section 1) in the space provided under Section 2 whenever asked to "describe", the description may include details such as size, capacities, dimensions, materials used in construction, etc. A full and complete description is required to reasonably evaluate the bid, so all pertinent information is required. When referring to attached literature as a means of not fully describing items, misinterpretations by the evaluator of the bid may occur and consequently not having the bid awarded. Your ability to present the City with enough information to reasonably understand the item being bid and whether or not it meets the specifications stated relies on the written information provided.

You are requested to describe your proposal in the Bidders column, you may not respond in the space provided as to whether you meet the specifications by responding with terms as "yes", "Meets", "same as", "complies" or "similar" terms. If these terms are utilized, it may result in your bid being considered as Non-Compliant, and being rejected.

You must include descriptive manufacturer's literature verifying the information you provided in the bidder's proposal section. Failure to provide such literature will likely result in your bid being considered as Non-Compliant, and possibly being rejected.

If your bid is an alternate approach and does not fully meet the specifications, completely describe your alternate approach.

All items, included in the bid are subject to a performance demonstration within 30 days of the bid date by the bidder(s) at the discretion of the City of Tulsa. A like item of the type bid that contains all the safety concerns, horsepower ratings, accessories, dimensions or other features as deemed appropriate by the City of Tulsa may be required to be demonstrated to the City of Tulsa personnel prior to award of the bid to establish if the item meets the requirements & specifications of the City of Tulsa. These demonstrations may be held in direct competition with other bidders whom bid the same items and equipment.

All vehicles bid shall be new and the latest production model. Brochures and/or specification literature clearly describing the unit(s) and verifying that the unit(s) meet or exceed the requirements of this specification shall accompany each bid proposal. Warranty and delivery information shall be provided with the bid proposal. Any Manufacturer's name and model called out in this bid is intended to set the quality and design of equipment desired and is not meant to limit bidding on products of equal quality. Any exceptions to or deviations from the specifications set forth in the bid must be clearly described in the bidder's proposal. During a standard warranty period or for any extended warranty no upcharges, overtime, mileage, freight or charges for parts and service shall be charged to the City of Tulsa pertaining to warranty repairs.

For the purposes of bid evaluations, all options will be considered in the overall bid award.

Address:

Unless otherwise noted; Seller shall transport the equipment to and from the Seller's location for mounting of equipment and accessories with no additional charges of any kind to the City of Tulsa upon award of bid. All transportation costs for warranty work beyond the City of Tulsa shall be at the Seller's expense. If Bidders are outside the Tulsa area, Bidders shall supply the name of the local factory authorized repair facility that will perform warranty repairs. Those dealers shall be contacted for verification prior to awarding the bid. This information shall be part of the bid evaluation process. Failure to comply will affect the award of bid.

Name:

Telephone:

The Seller shall deliver all equipment fully assembled and operational with all items such as mounting brackets, fluids such as oil and fuel, batteries, etc. installed upon delivery. No crated or non-operational equipment requiring assembly or adjustments of any kind shall be accepted. Seller will be required to operate the equipment and demonstrate all features and operational modes to the City of Tulsa personnel.

An MSO (Manufacturer's Statement of Origin) and an Oklahoma Application of title shall be provided at delivery. The City of Tulsa is required to license (tag) all vehicles and equipment.

A minimum of two (2) sets of operator's, service and maintenance manuals must be delivered with the equipment unless otherwise stated in the bid document. Parts and service manuals may be on CD ROM. If they are available at no cost to the City of Tulsa through a web site please state where and how they are accessed.

The manufacturer shall warrant each vehicle and related parts to be of good material and workmanship and to promptly replace any part or parts which by reason of defective materials or workmanship shall fail under normal use, free of negligence or accident, for a minimum of one (1) year from the date of delivery, unless otherwise stated. In addition, if such failures take place outside the dealers service area, which shall be defined as Tulsa city limits, the seller will be responsible for reimbursing the nearest manufacturer's authorized dealer in the city of Tulsa for services rendered under this warranty.





The seller shall respond within 72 hours, of notification by the City of Tulsa, on when, where and how a warranty issue will be resolved. In the event there is no response within 72 hours, or if the response is not acceptable to the City of Tulsa; the City will provide or arrange for repairs. The seller shall be held liable for reimbursement to the City of Tulsa for all costs incurred to resolve the warranty repairs.

The seller shall have the option to authorize the City of Tulsa to perform minor warranty replacement and repairs and then reimburse the City for its labor and parts utilized to enact the repair. The reimbursement for labor will be the same rate as that of the actual work performed. Standard warranty information is to be supplied with the bid.

Standard warranty information is to be supplied with the bid.

Absolutely no items over 500lbs. may be directly shipped to the City of Tulsa requiring the City personnel to unload from the shipping truck or trailer. The City of Tulsa carries no responsibility for any damages incurred during an unloading occurrence. The City of Tulsa does not have unloading docks or the proper equipment to assist in this area. All unloading shall be the responsibility of the seller and/or shipping entity.

Section 1		Section 2
ltem 1	Specifications (Minimum)	Bidders Proposal
General	This specification is to provide for a new, latest production model of High Pressure sewer cleaner and vacuum unit. 66,000 lb. GVW Dual rear wheel cab chassis.	Describe:
Gross Vehicle Weight	66,000 lb.	Describe:
Cab	 Cab style: 2-door conventional. Driver seat shall be: Air suspension high back with integral headrest. 2 position cushion adjustment, -3 to +14 degree seat back adjustment, Single chamber air lumbar support. 3-points lap and shoulder type seat belt. Passenger seat shall be a standard seat high back seat. Seat covering: heavy-duty vinyl. Material color-coordinated with interior color. Sun visors: left hand and right hand sides. Armrests: left hand and right hand sides. Interior lighting: dome with door activated switches. Windshield wipers: electric, 2-speed intermittent with dual washers. Power windows and Power door locks. Stainless steel exterior visor. Mirrors: exterior west coast style approximately 7" x 16" with 6" diameter bolt on type convex mirrors mounted on each side. Both mirrors shall also be heated and power adjustable for safety reasons. Full gauge package: included with audible alarms and lights; and Kysor or equivalent shutdown switches on the following: Low oil pressure Coolant temperature Transmission high heat warning light. 	Describe: 1 2



	 d. Low air pressure. e. DEF level gauge 13.Additional items to be included shall be: a. 12 Volt power port. b. Tilting hood. c. Radio with blue tooth capability for hands free. d. Tinted glass up to the legal limit in Oklahoma throughout. e. Grab handles both sides of cab f. At least 6" wide steps for entry and exit into cab. g. Floor mat: full floor coverage as per manufacturers' standard. h. Dual air horns mounted on the roof. i Fire extinguisher: Five (5) lb. size 1, ABC type, mounted inside off the cab. 	12d. 12e. 13 13a. 13b. 13b. 13c. 13d. 13d. 13f. 13g. 13h. 13i.
Engine	 Fuel type: diesel. Must be an SCR system that uses DEF fluid and not an EGR system. Displacement: 12 liter minimum. Horsepower: 425 HP minimum. Torque: 1,500 Ft lbs. minimum State listed torque rise % for engine proposed. The water separator shall be in-line, Racor 30 micron or equal with heater and warning light. 110 Volt, 1,000 Watt block heater to be included. The engine hour meter shall be mounted inside the cab. The exhaust shall be a vertical mounted. Exhaust shall be shielded so operator cannot be injured. 	Describe: 1 2 3 4 5 6 7 8 9 10 11
Transmission	 Manufacturer: Allison preferred. Model: 4500 RDS. Type: Automatic with synthetic lube. Speeds: Six (6) speeds, electronic with double overdrive. PTO provision. Fluid cooler shall be required. Electronic programming shall be set up to accommodate the truck body requirements. Electric back up alarm, 97 db. Minimum. 	Describe: 1 2 3 4 5 6 7 8
Cooling System	 Radiator shall be the largest capacity available from the manufacturer. A coolant recovery system shall be included. Protection to -34 Fahrenheit. All hoses for engine coolant and heater to be silicone. Electronically controlled, air operated engine fan shall be included. 	Describe: 1 2 3 4 5



Electrical System	 Electrical system: 12-volt system. Batteries: Quantity: As required CCA. Total: 1850 CCA minimum. Alternator: 145 Amps minimum, brushless. Include all LED lights and reflectors to comply with all federal and Oklahoma state laws for 24-hour operation on all highways. 	Describe: 1 2 2a. 2b. 3 4
Brake System	 Bendix 4S/4M ABS brake system. Service brake shall be full air system all axles, heavy duty air brakes. Front: 16 ½ inch x 6 inch, cam front. Rear: 16 ½ inch x 8 5/8 inch cam rear. The parking brake shall be spring type with release valve both rear axles. Air compressor: 18.7 cfm (minimum) compressor with DV-2 automatic air tank drains and Bendix AD9 or equivalent. Air pressure gauges and alarm to be included. Must include brake dust shields. 	Describe: 1 2 2a. 2b. 3 4 5 6
Steering	Dual power steering	Describe:
Suspension	 Front axle: 20,000 lb. Front Suspension: Multi-leaf spring 20,000 lb. Rear axle: 46,000 lb. Rear Suspension: Shall be air suspension. Rear axle shall be double reduction. Shocks: Heavy duty front, Monroe Magnum series 70 or equivalent. The wheels shall be wet type in front and C.R. Scotseal for the rear. Driver controlled main locking differential in forward and rear drive axles. 	Describe: 1 2 3 4 5 6 7 8
Frame	The City of Tulsa will not accept any frame lengthening modifications 1. Section modules: 27.0. 2. Yield strength: 120,000 lb. 3. RBM. 3,200,000 minimum.	Describe: 1 2 3
Wheelbase	Wheelbase shall be compatible with equipment being bid.	Describe:
Wheels	 Front wheels: 22.5 x 12.25. Steel, 10 hole, hub piloted. Rear wheels: 22.5. Steel, 10 hole, hub piloted. 	Describe: 1
Tires	Front: 425/65R 22.5, 20 ply. Highway tread. Rear: 11R 22.5, 16 ply, Mud & snow tread. Mud flaps with no advertising installed on rear.	Describe: 1 2



Fuel Tanks	 The capacity shall be 80 gallons total, min. DEF tank should be a minimum of 5 gallons The type and construction shall be aluminum. Bidder must specify if any fuel tank exhaust, air dryers, etc., are mounted in such a way as to protrude behind the cab or rearward of cab on the frame. 	Describe: 1 2 3 4
Undercoating	Standard factory undercoating plus a bituminous undercoating shall be applied to the vehicle. The bituminous undercoating is to be applied to all underside body metal in accordance with industry requirements and standard's governing vehicle undercoating. Bituminous undercoating may be supplied by the Seller.	Describe:
Paint	 All metal surfaces shall be shot or sand blasted prior to painting. All metal surfaces shall be primed prior to painting. All hose and fittings, as well as electrical wires and connections, shall not be painted. Paint shall be gloss white in color. Shall be a wet-on-wet application. This paint shall be designed for application over wet non-sanding primer base. The process shall allow the unit to be primed and after tacking up, the final coats of finish paint may be applied. The process still maintains all its paint properties. It shall be Low Voc-High Solids OSHA compliant paint with excellent gloss retention. It shall be durable, tough finish and easy to maintain. The process prior to painting shall be that all metal is grit blasted to near white finish, phosphorus washed, dried, cleaned of all dust, primer coated, and then finish paint is applied to a minimum 3- mil thickness. All finish painting shall be done prior to the assembly of the machine. 	Describe: 1 2 3 4
Bumpers	 Front bumper shall be heavy duty formed swept back design. Rear: Must be ICC compliant for rear underside Protection. A set of tow hooks (2) shall be mounted at the rear frame of the chassis to enable towing or pulling the machine from dumpsite. They shall be rated for the GVWR of the vehicle. 	Describe: 1 2 3
Vehicle Height	State the overall height of the vehicle.	Describe:
Additional	 Strobe lights LED system. 1. Front: Vehicle shall have two (2) Whelen led 500 series TIR6 model 50CO3ZCR or acceptable equal with clear lens and a model 5TSMAB black surface mount adapter for horizontal mounting. Include the TIR6 scanlock flash pattern capability. Include the synch interconnect wire allowing up to eight (8) light- 	Describe: 1

	Invitation For Bid 17-92 High Pressure Sewer Clea Water & Sewer Departme Issued: March 30, 201	aner ent City of Tulsa, Oklahoma Page 23 of 39
Debris Body	heads to be synchronized together. Include a minimum of 6 feet of wiring. Mount the lights in the bumper area not to be in the way of the front hose reel.	
	The debris storage body shall be constructed of: */* inch minimum, corrosion and abrasion resistant Ex-Ten steel. • Yield point of 50k PSI and tensile strength of 70k PSI minimum. ************************************	



City of Tulsa, Oklahoma Page 24 of 39

	Issued: March 3	0, 2017
Debris Body Continued	by single hydraulic cylinder with separate	
	hydraulic cylinder to activated door grabber at	
	bottom of rear door shall be supplied. Shall	
	include rear door open/close cylinder mounted	
	on top of body. The system shall be capable of	
	hydraulic opening up to 50 degrees from fully	
	closed position. Shall include door prop and	
	curbside controls.	
	 A 6 inch air operated decant system-forward 	-
	mounted with screen and a 6 inch de-watering	*
	system installed at the front curbside of the	
	debris body. This system includes an internal	
	drainpipe with full screen and an air operated	TXT
	knife type shutoff valve. Also included is a 10	T.X
	foot X 6 inch lay flat drain hose with cam lock	
	couplers located curbside outside the debris	
	body.	
	A six (6) inch I.D. butterfly valve located on rear	
	door for water decanting. Valve is located on	
	right side of rear door at approximately 2 to 3	
	o'clock position. A single filtration screen	
	provided to prevent large debris from entering	
	the drainpipe.	
	A pipe storage rack will be located on the	
	curbside of the debris body above the rear	
	water tank. The rack will be constructed of	
	structural steel tubing and be spring assisted in	
	the down and up positions for easy operation.	
	The rack will also store three (3) 8 inch diameter	
	pipes 5 feet long.	
	A pipe storage rack shall be located on the	
	street side of the debris body above the rear	
	water tank. The pipe rack shall be constructed	
	of structural steel tubing and shall be spring	
	assisted in the down and up positions for easy	
	operation. The rack shall store three (3) 8 inch	
	diameter pipes up to 5 feet long.	
	• A pipe storage rack shall be located on the rear	
	of the debris body. The rack shall be	
	constructed of structural steel tubing and shall	N
	be spring assisted in the down and up positions	
	for easy operation. The rack shall store two (2)	
	8 inch diameter pipes 3 feet long.	
	Dual 10 inch stainless steel ball floats; cage and	
	screen shall be located in each outlet to the	
	vacuum source to automatically stop the airflow	
	to the body shall be supplied. The float balls	2.
	shall activate when a debris body full load	
	condition exists and to prevent debris body	
	carryover into the vacuum inlet during	
	transportation.	
	 A flush out nozzle with eight (8) tungsten 	
	carbide tipped nozzles shall be mounted at the	
	front interior of debris body, shall be sized to	
	utilize the units water pump system at full	
	capacity to scour the debris body. The control	
	valve shall be located at the rear curbside of the	
	machine.	
	A shield shall be mounted around the outer	
	circumference of the rear door to direct liquid or	
	debris away from the chassis. The shield shall	
	be constructed of Ex-Ten steel. It shall be	



Debris Body Continued bolted to the outside diameter on the rear flange of the debris body and located from the 3 to 9 o'clock position. • A lube manifold shall be located at the curbside of unit. The manifold shall allow Ground level remote greasing of boom lift and swing cylinders, float level indicator, top rear door hinges and debris body hoist cylinder pins. • Water tanks must have certified metered capacity of 1,500 or more gallons. The 1,500 gallon capacity shall be achieved via multiple cylindrical cells. • The aluminum water cells shall not require internal coatings and shall be easily repaired or patched if required. The cells shall be hung via rubber line "j" straps which allow the cells to be easily removed from the unit if required. • The water cells shall be located directly behind the cab of the truck and ending at the very rear of the unit, thus providing the best possible weight distribution. • The water tanks shall be adequately vented and connected to provide complete filling. A minimum 6 inch and 4 inch connections between tanks are provided. • The water tanks shall be totally separate from the debris tanks and provide no structural support. All water cells shall be positioned at or below the frame of the unit, thus providing the best possible and lowest available center of gravity. • The water tanks shall share no common walls with the debris tanks in order to prevent corrosion. • The water tanks shall come equipped with a 2 inch Y-patterned filter with an 80 mesh stainless steel strainer to filter the water before it enters the water tank. An air gap in water fill system shall be supplied. Shall include Y-strainer, 2.5 inch x 25 feet fill hose and hose storage. An air purge system shall be supplied. The system shall aid in the purging of water lines and water pump for cold weather storage. This system shall utilize the chassis air compressor to fill independent air reservoirs. The air purge shall come complete with plumbing, valves and air pressure gauge. Pressure protection valves isolate the holding tank and the chassis compressor. The air purge system shall purge the residual water from the water system. • A manual 3 inch bronze gate type valve shall be located at the water pump inlet, shall be used when a means to isolate the water pump from the water tank outlet is required. Electrical float device shall be located in the water tank. When low water level condition exists the float shall signal a warning light located at the operator station. A manual bypass switch, located at the operator station,

shall be supplied to de-activate the system.



Vacuum System Vacuum shall be created by 2 tapered aluminum centrifugal compressor(s) with a minimum 36 the diameter. The compressor shall be manufactured out of aluminum for operator safety. It shall have hard chrome plated, cast aluminum radial blades with minimum thickness of X inch. The aluminum centrifugal compressor shall be of the rivet dy pe design. Welded fans are not acceptable due to safety considerations. Compressor shall be able to xacuum wet or dry material without damaging the vacuum system. Omer san compressor and large of a dam of an exceptable as proof of the unit's performance or dry material without damaging the vacuum system. Mere fan Qumy reinsga and claim of an grit warrany. Mere fan Qumy reinsga and claim of an grit warrany. Mere fan Qumy reinsga and claim of an grit warrany. Mere fan Qumy reinsga and claim of a grit warrany. Mere fan Qumy reinsga and claim of a grit warrany. Mere fan Qumy reinsga and claim of a grit warrany. Mere fan Qumy reinsga and claim of a grit warrany. Mere fan Qumy reinsga and claim of a grit warrany. Mere fan Qumy reinsga and claim of a grit warrany. Mere fan Qumy reinsga and claim of a grit warrany. Mere fan Qumy reinsga and claim of a grit warrany. Mere fan Qumy reinsga and claim of a grit warrany. Mere fan Qumy reinsga and claim of a grit warrany. Mere fan Qumy reinsga and claim of a grit warrany. Mere fan Qumy reinsga and claim of a grit warrany. Mere fan Qumy reinsga and claim of a grit warrany. The elay claim the prod of the warrany. The el		Issued: March	30, 2017
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		airflow and pressure-derived from fan curve	
or visual signs of fan cavitation. Additionally,			
bidders who submit fan curves as proof of		bidders who submit fan curves as proof of	

A Tuls)F	Invitation For Bio <u>High Pressure Sew</u>	er Cleaner
A New Kind of Ener	gy.	Water & Sewer De Issued: March 3	
Vacuum System Continued	 specify which comp RPM3 Rea Rea Rea Ope And An	rmance capabilities must also submit fications for any and all components by a the fan(s) are driven, and all claims of onent pressures and fan and component S must be proven. ading using a 6 inch orifice. ading using a 5 inch orifice. ading using a 4 inch orifice. erating RPM @ test. ading with open vacuum nozzle. buter hosing shall be manufactured out of h spun steel and carry a five-year anty. The housing shall have a 2 inch drain, bed below the water tank for safe and easy out. an housing shall be isolated on rubber sting supports. unit shall be equipped with a fan housing out system to thoroughly clean the inner buter dwith a manual ball valve at the side ator station and deliver water flow through jet nozzle at 600 PSI. shall have the ability to vacuum and jet rod pths of 75 feet.	
Vacuum Drive System	 direct transi Hydro electr displa Must locate contro engag Comp switch to cor accep Hydra suctio of the Comp drive via sp shall energ The p 	centrifugal compressor shall be driven through a helical gear type step-up mission drive with step-up ratio of 2 To 1. ostatic drive system should be ronically controlled with a variable accement pump producing up to 300 bar. have complete control of the system ed at the front operator station, that can be olled with an on/off switch that may be ged or disengaged at any operating speed. oressor controls will have a speed selection h; manual levers for the hydrostatic pump htrol the compressor speed will not be oted. aulic shut off valves shall be located at the on, return and filter lines to permit servicing e hydraulic system. oressor will be driven from a closed loop system utilizing available chassis power olit shaft transfer case. The transfer case drive a variable displacement pump to gize the closed loop. oump should be directly mounted to the shift transfer case. The pump will have a	Describe:

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The hydraulic motor that powers the compressor shall be a bent axis, bi-directional motor. The motor speed will have a maximum of 2,500 RPM.

• There should be an electronic soft start for the hydrostatic drive system to manage ramping up the speed.



	Issued: March 3	0, 2017
Boom		Describe:
	 The boom shall be designed for front end 	
	operation with hose mounted and stored at front	
	work station. Front mounted location is desired	
	for ease of positioning vacuum hose as well as	
	minimizing the need for the operator to swing	
	hose into traffic.	
	 All connections between debris body and 	
	vacuum system shall be of the self-adjusting,	
	pressure fitting type.	
		X
	The lift and swing movements shall be	
	accomplished by cylinder actuated means. Gear	
	and chain type rotations are not preferred due	
	to maintenance considerations.	X
	The boom shall be 6-way hydraulically driven	
	up/down/left/right/extend/retract. A remote push	
	button control station shall control the boom by	
	cable to the hydraulic power swing/lift/extend	
	cylinders.	
	 The boom pendant control shall come equipped 	
	with control switches for all directions as well as	
	a safety emergency shutdown button that	
I I I	automatically eliminates power to the boom. In	
	addition, a wireless remote control with 500 feet	
-	of range shall be supplied. The remote unit shall	¥
	control rotation, lift, and extension functions of	
	the boom in addition it shall also control chassis	X+
	RPM, water pump on/off, hose reel pay in/out,	
	hose reel speed and vacuum relief on/off and	
	emergency disengagement e-stop shall be	
	provided.	
	 A cab protection device, independent of cab, 	
	which shall protect the cab from the boom, shall	
11	be provided.	
	 All hoses and tubes shall be 8 inch I.D. and 	
	shall remain stationary and not rise with the	
	debris body in order to minimize the possibility	
-	of running vacuum hose into power lines and	
	low hanging branches.	
	 The upper debris tube shall consist of an 	
	anchored steel tube for additional life. This shall	
	include a 6 foot 6 inch catch basin nozzle with a	
	steel reinforced tip. Pipe should include	Z. V./
	sufficient adjustable, over center, quick clamps	
	to join the aluminum flanged suction pipe. A	
	boom transport cradle shall be wide enough so	
	that boom is tightly secured and cannot freely	
	move.	
	 An 8 foot telescoping boom shall be supplied. 	
	The 8 foot extensions shall provide a minimum	
	of 474 square feet of additional coverage. The	
	boom shall rotate a minimum of 180 degrees	
	and provide 277 inch minimum reach off the centerline of the unit. The boom shall extend	
	and retract a minimum of 10 feet and shall be	
	located at the front work station in its retracted	
	position. The boom shall include a true	
	telescoping suction tube that shall extend and	
	retract without affecting the steel elbow or lower	
	debris hose vertical position.	
	 The joystick shall be mounted in the electrical 	



	Issued: March 3	0, 2017
Boom Continued	box on the hose reel. It shall be operated by a simple up/down/left/right/control. Joystick shall control left/right/up/down boom functions.	
High Pressure Water Pump	 The positive displacement, high pressure water pump shall be a double acting, single piston pump hydraulically operated direct from a hydraulic pump. Belt drive systems are not acceptable. The water pump shall cycle approximately every 4 ½ seconds. This pump cycle shall provide an automatic "jack-hammer" action in the hose to assist the nozzle in breaking through obstacles. The water pump location shall provide a flooded inlet to eliminate potential cavitation's damage. The water pump location shall be certified by the pump manufacturer. The water pump shall have steel protection plate. The cover shall protect the water pump and the inlet/outlet lines from the pump. The high-pressure water pump shall be designed so no damage shall occur if run at normal operating pressure and rpm without water for 30 minutes. A certification by the original water pump manufacturer to operate in such a manner shall be provided. The positive displacement water pump shall have the capability to purge residual water out of the water system by pumping air through the entire system. Drain plugs shall be provided in the bottom section of the water pump for complete cold weather draining. The water pump shall be capable of maximum water pressure and flow while achieving maximum vacuum capability. The water pump shall operate independent of the vacuum system. An oil-to-water heat exchanger shall be provided in the water system to cool all hydraulic fluids on the unit. Water pump shall have the capability of being engaged disengaged from the driving mechanism at the front control panel by using an on/off switch, thus providing added control and safety. Unit must include an auxiliary tank system with a 20 gallon tank that integral to the water pump shall be from a hydraulic fluy di pressure and plumbing to the high pressure water pump all during the operate independent of the vacuum system to cool all hydraulic flow to drive the water pump shall be from a hyd	



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	Issued: March 3	0, 2017
High Pressure Water	This capacity shall insure long pump life. A	
Pump Continued	certification by the pump manufacturer for	
	continuous duty shall be provided.	
	The hydraulic pump and water pump shall be	
	sized to deliver 80 gpm @ 2,500 psi continuous	
	duty operation.	
	State RPM of water pump.	
	The water pump shall be double acting, single	
	piston type and shall be located below the entire	
	water supply. It shall be hydraulic driven water	
	pump, shall be powered from the chassis	A
	engine via transmission mounted heavy duty	
	PTO. The water pump shall have a rating of 100	
	gpm and 2,500 psi.	X
	 The water pump hydraulic system and plumbing 	*
		A A A A A A A A A A A A A A A A A A A
	shall be set up to produce 80 gpm at 2,500 psi.	
	An ASME coded and safety stamped 2 ½ gallon	X
	capacity, hydro-pneumatic, nitrogen charged	
	bladder type accumulator shall be supplied. It	
	shall have a pre-set operating range 1,400 to	
	2,500 psi to give continuous smooth pressure at	2
	the nozzle. The accumulator system shall have	
	a 1inch ball valve shut off to allow water pump	
	to operate either with "jackhammer" action or	
	smooth water flow.	
	 The jet-rodder water pump shall be equipped 	
	with a hydraulic driven system that utilizes a	
	variable displacement piston type hydraulic	
	pump to supply power to the water pump. This	
	system shall allow the operator to vary the flow	
	and pressure of the water pump independently	
	by using a dial control at the front station and	
	changing nozzles. This is not a by-pass system.	
	The variable piston hydraulic pump shall permit	
	the operator to select the appropriate oil flow	
	required to change the water pump output. A	
	25-gpm cold weather recirculator shall be	
	supplied. A hydraulic system driven from	
	transmission PTO chassis at engine idle speed.	
	The High-pressure water pump will circulate	
	water through the water pump back to the water	
	tanks. The system functions for cold weather	
	protection while in motion or at stationary mode.	
	 A 3 inch Y-pattern strainer is installed prior to 	
	the water pump suction inlet to serve as an	
	additional filtering device. The Y-filter includes a	
	3 inch stainless steel, 80 micron mesh filter	1
	screen.	
	 A hose reel shall be mounted on an 	
	independent frame that can be removed from	
	brackets attached permanently to main truck	
	frame members.	
	 Hose reel shall be manufactured out of ¼ inch 	
	spun steel for added structural strength. This	
	spun steel shall require no internal or external	
	reinforcements that could damage rodder hose.	
	 Hose reel shall be driven via hydraulic motor 	
	with a dual sprocket and chain system.	
	Hose reel shall have a 1 inch rotating swivel	
	joint that is adjustable and has replaceable	
	seals on the inlet line to provide free rotation of	



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	8	Issued: March 3	0, 2017	0
High Pressure Water	hose reel. All oper	ating controls shall be located	·	
Pump Continued	on the hose reel.	5 · · · · · · · · · · · · · · · · · · ·		
		level wind guide shall be		
		operator in rewinding the		
		onto the hose reel. It shall be		
		wer portion of the hose reel.		
		all be constructed of heavy		
		all swivel as the operator		
		. The wind guide shall have		
		rollers to help protect the		
	sewer hose.			
		age counter shall be mounted	A T U	
		ange to measure the pay out	T X T	
		ose. It shall measure in 1-foot	X	
		w the operator a visual means	T L	
		much sewer hose is in the	XT	
		nall be supplied in addition to		
	standard.		1 × · · 1	
		ure ball valves shall be		
		the standard SAE #8 drain		
		liminate the use of removing	**	
		plugs when draining or	8	
		ter system. These valves shall		
		bottom of the rodder pump for	^	
		pump. Doing this while		2
		oump at slow speed flushes		
		at the bottom of the pump.	X	
		telescoping/rotating hose reel		
		apacity of 1000 feet x 1 inch		
	sewer hose shall I			
	manufacturer shall			1
		ve steel plate underneath to		
	protect wiring, etc			<1 .
		nical means to rewind the		
		onto the reel in case of		
		tool shall be used to turn the		
		Ind retrieve the sewer hose		
		all be a means to rewind hose		
		utions have failed and shall be		
	for emergency on		-7.8/	
		be installed to permit the		
		draulic system. A valve shall		
		ydraulic pump suction line,		
	return line, and oil			
	. etairi iirio, ana oli			
		11	Describe:	
		nent, double acting, single	2	
		ater pump shall be utilized to		
		psi (relieved to protect the		
		down handgun system. A	<u></u>	
		ling shall be furnished with		
		zzle. The hose shall be		
		vater to the area served by the		
Handgun System		zle and to the inside of the		
rianugun System		out. The handgun should allow		
		v pattern from a fine mist to a		
	steady stream.			
		lers with 50 feet of hose on a		
		be supplied directly behind		
	toolbox located agains			
		es from the bottom of the		
	boom rack.			



Hydraulic System	The hydraulic reservoir shall have a basin capacity of 67-gallons. The tank shall be a totally modular component and easily removed from its storage area.	Describe:
Electrical System	 The entire electrical system shall be vapor sealed to eliminate moisture damage to NEMA 4 (National Electrical Mfg. Assoc.) standards. All electrical connections shall have no exposed wires or terminals. All light bulbs shall be shock mounted to eliminate bulb failure. All wiring shall be color-coded and run in sealed terminal boxes. Vansco Electronic Package: Chassis Tachometer, Operating Mode, PTO Mode, Hydraulic Oil Temperature shutdown and Emergency-Stop shall be included. Emergency-Stop activation must turn off rodder pump, shutdown PTO A & B, set chassis throttle to idle, and open vacuum relief. Emergency-Stop must be located at each operator interface; including front/rear hose reel controls, pendant control, and dump control location. Basic machine functions and both chassis and module diagnostics shall be provided. All lights, Clearance, Back-Up, Stop, Tail & Turn shall be LED. 	Describe:
High Pressure Sewer Hose	 Three jet nozzles shall be furnished with the unit. These nozzles should all be equipped with tungsten carbide orifices for added life. 1. A 15° Penetrator nozzle. 2. A 30° Sand nozzle. 3. A 30° Sanitary nozzle shall be furnished. A flexible hose guide will be provided with a restraining rope for protection of rodder hose and to provide help in locating nozzles in sewer lines. A 1000 foot x 1 inch Aeroquip sewer hose shall be supplied. This hose shall require an extra capacity hose reel. The sewer hose shall be 1 inch I.D. and shall be rated at 2,500 psi working pressure with 6,250 psi burst pressure. 	Dscribe: 1 2 3
Front Operating Stations & Controls	 <u>Controls and gauges to be include:</u> Operation station shall be located at the front of the truck. High-pressure water pump on/off. Hose reel forward/reverse valve. Adjustable hose reel speed control. Hose reel telescopic control. Oil dampened water pressure gauge. Boom pendant control plug in. Truck engine throttle. Vacuum relief on/off switch. Emergency Stop. Digital water pump flow meter. 	Describe:



Issued: March	30, 2017
 Digital water pump pressure meter. Low water warning light. Tachometer and hour meter for Chassis Engine Digital footage counter Analog footage counter Secondary Mechanical hose reel lock. 	
Units shall be mounted on approved truck chassis a the factory of the body manufacturer.	<u>Describe:</u>
process still maintains all its paint properties. It shall be Low Voc-High Solids OSHA compliant paint with excellent gloss retention. It shall be durable, tough finish and easy to maintain. The process prior to painting shall be that all metal is grit blasted to near white finish, phosphorus	*
 The two 12 Volt, adjustable, shock mounted worklights shall be located on the 70° elbow and shall be wired with a retractable extension cord reel to allow extension of the boom. They shall be turned on/off with a toggle switch mounted on the operator control panel. A hand held spotlight, one piece molded black neoprene pistol grip type shall be supplied. Shall be 110,000 Candlepower, 100 Watt / 12 Volt sealed beam bulb. SVO-25 foot coiled cord with 12-volt plug in connector, 4.5 inch diameter and 8-½ foot long. Two (2) amber strobe lights shall be mounted on front top and rear of body. They shall be 7-½ inches high, 6-½ inch diameter base and a 12 	2 3 4
	 Digital water pump pressure meter. Low water warning light. Tachometer and hour meter for Chassis Engine Digital footage counter Analog footage counter Secondary Mechanical hose reel lock. Units shall be mounted on approved truck chassis at the factory of the body manufacturer. 1. All metal surfaces shall be shot or sand blasted prior to painting. All metal surfaces shall be primed prior to painting. 2. All hose and fittings, as well as electrical wires and connections, shall not be painted. 3. Paint shall be gloss white in color. Shall be a wet-on-wet application. 4. This paint shall be designed for application over wet non-sanding primer base. The process shall allow the unit to be primed and after tacking up, the final coats of finish paint may be applied. The process prior to painting shall be down low the average of the shall be durable, tough finish and easy to maintain. The process prior to painting shall be that all metal is grit blasted to near white finish, phosphorus washed, dried, cleaned of all dust, primer coated and then finish paint is applied to a minimum 3-mil thickness. All finish painting shall be done prior to the assembly of the machine. 1. Circuit breakers shall be supplied. This addition to the machine shall replace all Vactor supplied fuses with appropriate amperage circuit breaker. The two 12 Volt, adjustable, shock mounted work lights shall be located on the 70° elbow and shall be wired with a retractable extension cord reel to allow extension of the boom. 3. A hand held spotlight, one piece molded black neoprene pistol grip type shall be mounted on front top and rear of body. They shall be 7-½ inches high, 6-½ inch diameter base and a 12 Volt 8 Joules, double flash-helical flash tube with a flash rate of 80 +/-10 fpm and shall have a power consumption of 18 amps maximum. Light(s) shall meet shock test for MIL-S9-10C, SAE J1318 requirements for class 2, AMVA certified.

Tulsa A New Kind of Energy.

	U U	Issued: March 3	0, 2017
Accessories	corrosid housing wired h control Volt ha supplie the rea The succe 1. Two 2. Two 3. Tool a. <u>Ur</u> b. <u>Fr</u> (16 c. <u>Be</u> Or inc d. <u>Dr</u> mod tal pe e. <u>Dr</u> 60 de 4. Six (f at the long 5. Lap t moun Moun 6. Pure minir USB truck volt 7. Flexi with hose	They shall be made of high impact on resistant ABS plastic. The two-part gs shall be sealed and shall have a pre- arness with solid state; three-function box with a LED display an additional 12 nd light plug-in connector shall be d. The additional plug shall be mounted at r of the unit. ssful bidder shall furnish: (2) sets of service manuals. (2) sets of parts manuals. boxes-aluminum and keyed alike. nder hydraulic fan system tool box. Ont bumper tool box. Two (2), binches x 12 inches x 18 inches.) <u>hind cab tool box</u> -passenger side access. te (1), 17 inches wide, 30 inches tall, 48 thes long. <u>ivers side tool box</u> -chassis frame punted. One (1), 24 inches long, 24 inches 4, 24 inches deep. Located between boom destal and boom guard. <u>ivers side sub frame fan tool box</u> - One (1) inches long, 20 inches tall, 12 inches ep. 6) 2-½ inch PVC storage tubes mounted a rear sub frame and on boom rest (for handled tool storage. op work station. No drilling required and net d to passenger side seat base. Ram nt Big Rig No Drill Laptop or equivalent. sine wave power inverter 700 Watt num. Must have 2 outlet minimum, and port. Inverter must be hard wired into the electrical system, (plugged into the 12 power point will not be accepted). ble Hose guide. Two (2) must be provided a restraining rope for protection of rodder around sharp corners and inverts. Tiger or equivalent.	
Warranty	manufactu shall carry debris boo The Vacu year warra	cab & chassis shall carry a standard rer's warranty. The debris body system a standard manufacturer's warranty. The ly itself shall carry a five year warranty. Im system compressor shall carry a five inty. Successful bidder shall supply local irranty and repair work.	State warranties: Truck cab chassis. Debris body
<u>Options</u>	I		
Option 1	Automatic	rear differential lock for rear axle.	Describe:
Option 2	Milling cut equivalent	ter attachment Vactor Part# 500024 or	Describe:



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		Deseribe:
		Describe:
	Rodder Nozzle assemblies and hose guide as	
	follows:	
	a) Four (4) Pipe Wolf nozzles Part #1-0321-6020-	a.
		<u> </u>
	C or equivalent.	· · · · · · · · · · · · · · · · · · ·
	b) Four (4)(Anti Blaster-3D Part#1-0362-8020-C or	<u>b</u>
Option 3	equivalent.	
option o	c) Four (4) Chisel Nozzle Part #1-0212-8020-C or	С.
	equivalent.	
	d) Two (2) Wart Hog Part# WGP-1 Nozzle or	
		<u>d.</u>
	equivalent.	No.
	e) Two (2) Agitator Nozzle Part# 49002 BJC or	е.
	equivalent.	
		Describe:
	Digital Video Capable High Pressure Nozzle.	Digital Video Capable High Pressure Nozzle
	1. Shall be constructed of stainless steel.	
		1
	2. Shall have six (6) removable ceramic nozzle	2
	inserts.	
	Include four (4) blank inserts.	3
	4. Shall have a self-leveling swivel platform on	4
	which to mount the video recording module.	
	5. Shall have a protective cage with front	5
	protective ring for camera and LED lamps.	A
	6. Stainless steel wheel extensions, three (3), shall	6
	be included to attach to the main 8 inch nozzle/	
	carriage.	-
	7. Shall be compatible with 1 inch high pressure	7
	hose with adaptors for 1½ inch and ¾ inch high	
	pressure hoses.	
	8. Shall have a system for easy mounting and	8
	removal of video module.	<u>.</u>
	Video recording module.	Video Recording Module
	 Shall be constructed of anodized aluminum. 	
	2. Have two (2) high output LED lights to illuminate	2
	pipelines 6 inches and larger.	
	3. Shall record in HD with 720 lines of resolution.	3
Option 4	4. Shall record in digital MPEG4 format.	4
• F	5. Be capable of recording up to eight (8) hours of	5
	MPEG4 video to an onboard SD or SDHC card	
	(Up to 32 GB).	
	6. Shall be sealed and waterproof up to 30 feet.	6
	7. Shall have a proximity switch, that when	7
	7. Shan have a proximity switch, that when	
	engaged by fastening the rear cap, will	
	illuminate the record button indicating the unit is	
	safe for operation.	
	8. Shall have a video record button that illuminates	8
	when the unit is sealed and ready to deploy.	
	The button illumination shall become	
	intermittent when recording is complete.	
	9. Shall have a rear threaded stainless steel cap	9
	covering and sealing the interfaces for the	
	recording card, battery charging port, and	
1	operation ready proximity switch. The rear cap	
	shall be chain-tethered to the main housing.	
	10. Shall have an onboard, rechargeable li-ion	<u>10</u>
	battery that will provide power adequate for four	
	(4) hours of continuous use.	
	11. Shall have a pressurization indicator.	11
	12. Shall have a battery recharge port under the	12
	rear protective cap and an a/c battery charger	
	shall be provided.	



ISSUED: March 30, 2017				
	 13. Two (2) 16 GB SD cards will be provided. 14. All cable adaptors shall be provided to export video from the recording card to any laptop, PC and/or tablet. Training 1. Initial training of the product and any additional training that is needed shall be provided at no cost to the City of Tulsa. 	13 14		
Option 5	Hose Repair Tool A manually operated hose swedging tool Aeroquip Model #FT-1282, or equivalent, for installation of hose ends, equipped with a quick mount on front bumper. Twenty (20) swedge type hose end fittings and ten (10) swivel connectors, compatible with rodder hose shall, be supplied.	Describe:		
Option 6	The unit shall come with two (2) 36 inch long "Higbee" vacuum tubes or equivalent. Both 36 inch tubes will allow the operator to vacuum material up to the length of the tube below the surface of the liquids without the assistance of an air adaptor that sits above the level of liquids. An air adaptor tube will not be accepted. Unit shall have the ability to vacuum and jet rod the depths of 75 feet.	<u>Describe:</u>		
Option 7	 5x5 Hydraulic Extendable Boom with 180 Degree Rotation. 1. The boom will be designed for front-end operation with hose mounted and stored at front workstation. Front mounted location is designed for ease of positioning vacuum hose as well as minimizing the need for operator to swing hose into traffic. 2. All connections between debris body and vacuum system will be of the self-adjusting, pressure fitting type. Vacuum hose will remain stationary and not rise with debris body in order to minimize the running vacuum hose into power lines and low hanging branches. 3. The upper debris body tube shall consist of an anchored steel tube for additional life. The lift and swing movements will be accomplished by cylinder actuated means. Gear type rotations are not preferred due to maintenance considerations. The boom shall be operated by an electric-over-hydraulic system. The boom will be 8-way hydraulically driven up/down/left/right/extend/retract/raise/lower. A remote push button control station will control boom by cable to the hydraulic power swing/lift/extend cylinders. The control station will come equipped with control switches for all directions as well as a safety shut down button that automatically eliminates power to the boom. 4. A cab protection device, independent of cab, which will protect cab from the boom, will be provided. Pipe extensions will be included to allow the operator to clean to depths of 75'. This will include a 6'6" catch basin nozzle with a steel 	Describe: 1 2 2 3 3 4		

Tulsa A New Kind of Energy		Invitation For Bid 17-922			
		High Pressure Sew		City of Tulsa, Oklahoma	
		Water & Sewer Department		Page 37 of 39	
		Issued: March 3	0, 2017		
	 adjusta alumin 5. The va that wi provide The bo feet an feet. 6. The mo gum lin hydrau Horizor indepel station vertical extensi 7. The bo around 	ced tip. Pipe should include sufficient able over center quick clamps to join the um flanged end pipe. Incuum hose will be mounted on a boom Il rotate a minimum 180 degrees and e a full 90° rotation to each side of the unit. from reach from the pivot point will be 23.5 ad the boom work area will be 1643 cubic oving boom hose will be 8" x 200" with red the for durability. The boom hose will lically telescope a minimum function. Intal and Vertical movement will be ndent. of 5 feet forward from the operator's and will have the ability to telescope 5 feet ly along any point of the forward horizontal on without activating the hydraulic up/down. om hose and inner tube will readily rotate its center axis to maximize hose life with the ocumption of the forward hose life with the	5 6 7		
Option 8	Extended must incl covered a Extended 7a. Engin inject 7b. Engin 7c. Transi	e after treatment and DPF.	Describe: 7a 7b 7c 7d Describe:		
Option 9	cleaner m labor 8a) 3 Yea	Warranty on entire high pressure sewer odule. Price shall include all parts and r extended warranty. r extended warranty.	8a 9a		
Option 10	manufactu fluids and adjustmer item recor Successfu maintenar Please att to include 9a) 3 Yea	ive maintenance agreement. Including all ures recommended maintenance, oils, filters changes, lubrication points, nts, etc. All oil, fluids, filters, and any other mmended by manufacturer to be included. Il bidder must be able to perform nee within the City of Tulsa city limits. tach all documentation on the agreement, service every 180 days. r Maintenance	<u>Describe:</u>		
	-	r Maintenance	<u>9b</u>		
Doft Lligh processor courses		ar Maintenance	<u>9c</u>		
Rei. High pressure sewer cle	aner and vac	cuum, Water & Sewer, Sewer, Fy 16-17			



EXHIBIT A

BID FORM INCLUDING DELIVERY AND PRICING

1. Delivery. If your Bid is accepted and a contract is executed, state the number of days you need to deliver the Goods and/or to begin providing Services:

You must be able to deliver the Goods and/or Services as specified in your Bid. Failure to do so may result in City terminating your contract or canceling the Purchase Order, pursuing collection under any performance bond, as well as seeking any other damages to which it may be entitled in law or in equity.

2. Pricing

(ESTIMATED QUANTITIES FOR EVALUATION PURPOSES ONLY)

ltem	Description	Estimate Annual QTY	Unit Cost	Extended Cost				
1.	66,000 lb. GVW Dual rear wheel cab chassis. High Pressure sewer cleaner and vacuum unit.	1 or more	\$	\$				
Option	Options							
1.	Automatic rear differential lock for rear axle.	1 or more	\$	\$				
2.	Milling cutter attachment Vactor Part# 500024 or equivalent.	1 or more	\$	\$				
3.	Rodder Nozzle assemblies and hose guide as follows:							
3A.	Pipe Wolf nozzles Part #1-0321-6020-C or equivalent.	4 or more	\$	\$				
3B.	Anti Blaster-3D Part #1-0362-8020-C or equivalent.	4 or more	\$	\$				
3C.	Chisel Nozzle Part #1-0212-8020-C or equivalent.	4 or more	\$	\$				
3D.	Wart Hog Part# WGP-1 Nozzle or equivalent.	2 or more	\$	\$				
3E.	Agitator Nozzle Part# 49002 BJC or equivalent.	2 or more	\$	\$				
4.	Digital Video Capable High Pressure Nozzle and video recording module and training.	1 or more	\$	\$				
5.	Hose Repair Tool. Aeroquip Model #FT-1282, or equivalent	1 or more	\$	\$				
6.	36 inch long "Higbee" vacuum tubes or equivalent	2 or more	\$	\$				
7.	5x5 Hydraulic Extendable Boom with 180 Degree Rotation.	1 or more	\$	\$				
8.	Extended Warranty on Truck Cab & Chassis, for 5 years or 150,000 miles on:							
8a.	Engine, to include, Engine electronics, turbo and injectors.	1 or more	\$	\$				



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8b.	Engine after treatment and DPF. 1 or more \$		\$		
8c.	Transmission.	1 or more	\$	\$	
8d.	Chassis Electronics, including wiring harnesses.	1 or more	\$	\$	
TOTAL COST NOT TO EXCEED: (All costs must be included or your Bid will be disqualified)					
9.	Extended Warranty on entire high pressure sewer cleaner module. Price shall include all parts and labor				
9a.	Three (3) Year extended warranty.	1 or more	\$	\$	
9b	Five (5) Year extended warranty.	1 or more	\$	\$	
10.	Preventative maintenance agreement. Preventative maintenance to be done on 180 day intervals.				
10a.	Three (3) Year.	1 or more	\$	\$	
10b.	Five (5) Year.	1 or more	\$	\$	
10c.	Ten (10) Year.	1 or more	\$	\$	

Bidder's Company Name:_

Authorized Signature Here 🕨

Printed Name:

ULSA

RETURN THIS ENTIRE BID PACKET