

Jack Doheny Companies

*"World's Largest Distributor of Sewer Cleaning,
Air Handling and Street Sweeping Equipment"*

November 22, 2011

Lexington Fayette Urban County Government
Division of Central Purchasing
200 East Main Street, Room 338
Lexington, KY 40507

RE: Combination Sewer Cleaning Unit ITB#: 121-2011 Due: November 23, 2011 @ 2:00 P.M.
--

To Whom It May Concern:

Jack Doheny Supplies, Inc. would like to thank you for the opportunity to present a bid for a Combination Sewer Cleaning Unit to the Lexington-Fayette Urban County Government. The proposed items have been designed and manufactured to exacting world-class standards and meet your specification without exception.

Jack Doheny Supplies, Inc. is committed to exceptional customer service. We will stand behind your purchase with certified technicians and staff from our Whitestown, Indiana Service Centers. Additionally, our \$6.5 million parts inventory means you will not have to wait for parts or supplies.

Please review this proposal at your earliest convenience and call me if you have any questions, or need additional information.

Please keep us on your list for any further occasion that we may be of service to you.

Sincerely,



Gary Mapes
Senior Vice President
Jack Doheny Supplies, Inc.

INVITATION TO BID

Bid Invitation Number: 121-2011

Date of Issue: 11/09/2011

Sealed bids will be received in the office of the Division of Central Purchasing, 200 East Main Street, Lexington, Kentucky, until **2:00 PM**, prevailing local time on **11/23/2011**. Bids must be received by the above-mentioned date and time. Mailed bids should be sent to:

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

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

All bids must have the company name and address, bid invitation number, and the commodity/service on the outside of the envelope.

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

Bid Security Required: ☒ Yes ☐ No Performance Bond Required: ☐ Yes ☒ No
Cashier Check, Certified Check, Bid Bond (Personal checks and company checks will not be acceptable).

Commodity/Service
Combination Sewer Cleaning Unit
See specifications

<p style="text-align: center;"><u>Check One:</u></p> <p><input type="checkbox"/> Bid Specifications Met</p> <p><input checked="" type="checkbox"/> Exceptions to Bid Specifications. <i>Exceptions shall be itemized and attached to bid proposal submitted.</i></p>	<p style="text-align: center;"><u>Proposed Delivery:</u></p> <p>180 - 240 days after acceptance of bid.</p>
<p style="text-align: center;"><u>Procurement Card Usage</u></p> <p><input type="checkbox"/> Yes The Lexington-Fayette Urban County Government will be using Procurement Cards to</p> <p><input checked="" type="checkbox"/> No purchase goods and services and also to make payments. Will you accept Procurement Cards?</p>	

Submitted by:

Jack Doheny Supplies, Inc.

Firm

P.O. Box 809

Address

Northville, MI 48167

City, State & Zip

***Bid must be signed:
(original signature)***



Signature of Authorized Company Representative – Title

Gary Mapes, Senior Vice President

Representative's Name (Typed or printed)

248-349-0904

248-349-2774

Area Code - Phone – Extension

Fax #

garymapes@dohenysupplies.com

E-Mail Address

The Affidavit in this bid must be completed before your firm can be considered for award of this contract.

AFFIDAVIT

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

1. His/her name is Gary Mapes and he/she is the individual submitting the bid or is the authorized representative of Jack Doheny Supplies, Inc.

the entity submitting the bid (hereinafter referred to as "Bidder").

2. Bidder will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the bid is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.

3. Bidder will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.

4. Bidder has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.

5. Bidder has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Bidder will not violate any provision of the campaign finance laws of the Commonwealth.

6. Bidder has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."

7. Bidder acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught.

Gary Mapes

STATE OF MICHIGAN

COUNTY OF WAYNE

The foregoing instrument was subscribed, sworn to and acknowledged before me by Gary Mapes on this the 22nd day of November, 2011.

My Commission expires: 12-20-2012

Maureen Carol Wheatley
NOTARY PUBLIC, STATE AT LARGE

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

I. GREEN PROCUREMENT

A. ENERGY

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

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

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

Key Benefits

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

B. GREEN SEAL CERTIFIED PRODUCTS

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

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

C. GREEN COMMUNITY

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

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

Yes ^x No

II. Bid Conditions

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

"Bid on #121-2011"

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

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

- K. Bidder is requested to show both unit prices and lot prices. In the event of error, the unit price shall prevail.
- L. A certified check or ~~Bid Bond~~ in the amount of 5% percent of the bid price must be attached hereto. This check must be made payable to the Lexington-Fayette Urban County Government, and will be returned when the material and/or services specified herein have been delivered in accordance with specifications. In the event of failure to perform within the time period set forth in this bid, it is agreed the certified check may be cashed and the funds retained by the Lexington-Fayette Urban County Government as liquidated damages. Checks of unsuccessful bidders will be returned when the bid has

been awarded.

- M. The delivery dates specified by bidder may be a factor in the determination of the successful bidder.
- N. Tabulations of bids received may be mailed to bidders. Bidders requesting tabulations must enclose a stamped, self-addressed envelope with the bid.
- O. The Lexington-Fayette Urban County Government is exempt from Kentucky Sales Tax and Federal Excise Tax on materials purchased from this bid invitation. Materials purchased by the bidder for construction projects are not tax exempt and are the sole responsibility of the bidder.
- P. All material furnished hereunder must be in full compliance with OSHA regulations.
- Q. If more than one bid is offered by one party, or by any person or persons representing a party, all such bids shall be rejected.
- R. Signature on the face of this bid by the Bidder or his authorized representative shall be construed as acceptance of and compliance with all terms and conditions contained herein.
- S. The Entity (regardless of whether construction contractor, non-construction contractor or supplier) agrees to provide equal opportunity in employment for all qualified persons, to prohibit discrimination in employment because of race, color, creed, national origin, sex or age, and to promote equal employment through a positive, continuing program from itself and each of its sub-contracting agents. This program of equal employment opportunity shall apply to every aspect of its employment policies and practices.
- T. The Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) requires that any county, city, town, school district, water district, hospital district, or other political subdivision of the state shall include in directly or indirectly publicly funded contracts for supplies, materials, services, or equipment hereinafter entered into the following provisions:

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

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

The Act further provides:

KRS 45.610. Hiring minorities - Information required

- (1) For the length of the contract, each contractor shall hire minorities from other sources within the drawing area, should the union with which he has collective bargaining agreements be unwilling to supply sufficient minorities to satisfy the agreed upon goals and timetable.*

- (2) *Each contractor shall, for the length of the contract, furnish such information as required by KRS 45.560 to KRS 45.640 and by such rules, regulations and orders issued pursuant thereto and will permit access to all books and records pertaining to his employment practices and work sites by the contracting agency and the department for purposes of investigation to ascertain compliance with KRS 45.560 to 45.640 and such rules, regulations and orders issued pursuant thereto.*

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

- (1) *If any contractor is found by the department to have engaged in an unlawful practice under this chapter during the course of performing under a contract or subcontract covered under KRS 45.560 to 45.640, the department shall so certify to the contracting agency and such certification shall be binding upon the contracting agency unless it is reversed in the course of judicial review.*
- (2) *If the contractor is found to have committed an unlawful practice under KRS 45.560 to 45.640, the contracting agency may cancel or terminate the contract, conditioned upon a program for future compliance approved by the contracting agency and the department. The contracting agency may declare such a contractor ineligible to bid on further contracts with that agency until such time as the contractor complies in full with the requirements of KRS 45.560 to 45.640.*
- (3) *The equal employment provisions of KRS 45.560 to 45.640 may be met in part by a contractor by subcontracting to a minority contractor or subcontractor. For the provisions of KRS 45.560 to 45.640, a minority contractor or subcontractor shall mean a business that is owned and controlled by one or more persons disadvantaged by racial or ethnic circumstances.*

KRS 45.630 Termination of existing employee not required, when

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

KRS 45.640 Minimum skills

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

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

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

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

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

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

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

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

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

EQUAL OPPORTUNITY AGREEMENT

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states:

The Contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap.

- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:

The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.

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

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

Bidders

I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, Vietnam veterans, handicapped and aged persons.


Signature Gary Mapes

Jack Doheny Supplies, Inc.
Name of Business

LFUCG
DETAILED SPECIFICATIONS
FOR
(1) COMBINATION DUAL ENGINE SEWER CLEANER
WITH AUXILIARY ENGINE DRIVEN VACUUM SYSTEM
MOUNTED ON A HEAVY DUTY TRUCK CHASSIS

		COMPLY	
		YES	NO
1.0	INTENT:		
	The intent of this specification is to provide for the purchase or lease of one (1) new and unused dual engine combination sewer and catch basin cleaner used for removing all debris commonly found in storm basins and leads and/or sanitary sewer lines and manhole structures using a front mounted operating station. The unit shall consist of a centrifugal compressor vacuum system, a hydraulically driven high pressure water pump, an enclosed sealed body for storage of collected debris and equipped with a self-contained water supply as the source for the water pump system. The unit shall have the capability of operating both vacuum and water system simultaneously at full operating speeds continuously. The Centrifugal Compressor system shall be powered by the auxiliary engine and have capability to vacuum while in motion.	x	
	This specification is not to be interpreted as restrictive, but rather as a measure of the safety, quality, performance and overall cost of ownership against which all equipment bid will be compared. In comparing proposals, consideration will be given to life cycle costing whereby bidder shall provide all pertinent information to evaluate long-term cost. Contract will be awarded for the product which best serves the interests of the LFUCG considering long-term maintenance cost, fuel consumption, parts and service availability and product support as well as guaranteed buyback values as they relate to life cycle costing. The LFUCG reserves the right to reject any or all bids or any part thereof, and to waive any minor technicalities. Award shall be to the bidder showing most favorable life cycle costing while meeting the performance requirements of these specifications.	x	
2.0	EQUIVALENT PRODUCT:		
	Bids will be accepted for consideration on any make or model that is equal or superior to the equipment specified. Decisions of equivalency will be at the sole interpretation of the LFUCG Purchasing and Public Services Director.	x	
	Bidder shall demonstrate a reasonable likeness of the equipment being offered within a reasonable time of request. Equipment demonstrated shall be equipped with all accessories and components required in this specification to ascertain equivalence.	x	
	A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence. Original manufacturer's brochures of the proposed unit are to be submitted with the proposal.	x	
3.0	BIDDER REFERENCES:		

	To ensure adequate local availability of parts and competent service from experienced suppliers, bids are preferred from local vendors who have sold and serviced at least 30 units of same manufacturer within service area of servicing dealer. All references must note model and year of equipment. Reference list of users within 100 miles of the LFUCG is preferred and should include contacts with phone numbers.	x	
4.0	LIABILITY INSURANCE:		
	See Attached Risk Management Provisions Insurance and Indemnification	x	
5.0	SERVICE AND SUPPORT:		
	Location of warranty service center and amount of inventory shall be noted which may be verified and inspected. <u>Whitestown, Indiana</u>	x	
	Amount of OEM parts at this facility: \$ <u>6.5 million</u>	x	
	Years as servicing equipment being bid: <u>35+</u> Years	x	
	Number of factory qualified service technician: <u>6</u>	x	
6.0	THIS SECTION ELIMINATED		
7.0	GUARANTEED TRADE IN VALUE:		
	The LFUCG will be considering the guaranteed value of the bid machine at the end of five (5) years or service. Bidders submitting statement of guaranteed buyback should include a list of references which may be contacted regarding past buyback situations. Further, the guaranteed buyback figure may become part of contract to deliver should the LFUCG decide to purchase the buy back option. Any pre-existing buyback conditions shall be clearly stated in bid proposal.	x	
8.0	GENERAL:		
	The specification herein states the minimum requirements of the LFUCG. All bids must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. Any bid not prepared and submitted in accordance with the bid document and specification, or any bid lacking sufficient technical literature to enable the LFUCG to make a reasonable determination of compliance to the specification will be considered "non-responsive" and grounds for rejection.	x	
9.0	THIS SECTION ELIMINATED		

EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.

10.0	SUB FRAME:		
10.01	The equipment shall be of modular design consisting of vacuum system, water tanks system, debris hopper and drive system.	x	
10.02	A sub frame shall be fabricated to the exact dimensions of the truck chassis for mounting of modular components.	x	
10.03	All components of the module shall attach to the sub frame and not directly to the chassis.	x	
10.04	Sub frame shall be designed to ASME standards for maximum applied loads, chassis frame movement and even distribution of weight to the chassis and suspension.	x	
10.05	Sub frame shall be continuous and uninterrupted from back of cab to end of frame.	x	
10.06	Mounted Height: The overall height of body as mounted SHALL not exceed 13 feet 6 inches. Overall length SHALL be no wider than 102 inches.	x	
11.0	DEBRIS BODY:		
11.01	The body shall be cylindrical having a minimum usable liquid capacity of 15 cubic yards capable of high-dumping into 60" roll-off container.	x	
11.02	The debris storage body shall be constructed with a minimum 1/4" corrosion and abrasion resistant Ex-Ten steel.	x	
11.03	Body shall have a rear door that is hinged at the top and is equipped with a replaceable neoprene type seal.	x	
11.04	The debris body seal shall be installed on rear door to facilitate easy cleaning and provide additional structural support of rear door.	x	
11.04	For optimal particulate separation, vacuum shall be drawn from separate ports in the top of the debris body.	x	
11.05	Body shall be dumped by raising the body to a 50 degree angle utilizing a forward mounted, double acting hydraulic dump cylinder.	x	
11.06	Dump controls and accessory controls shall be provided at a central curb side location directly behind the cab of the truck.	x	
11.07	For stability and safety, dumping must be accomplished while the pivot point of the hopper remains fixed to the sub-frame.	x	
11.08	Water pump shall be mounted below frame rail of chassis passenger side.	x	
11.09	Rear debris body door shall be an industrial door, opened and closed hydraulically by cylinders mounted at top of body. For safety, manual type latches required to secure load will not be accepted.	x	
11.10	Debris body shall have a body flush out system with (8) tungsten-carbide tipped nozzles mounted on a manifold located in the front wall of the debris body to aid in the flushing of heavy debris. Control valve shall be on the curb side of the unit.	x	

11.11	Door shall be unlocked, opened, closed and locked by a fail safe hydraulically activated, over-center-cam positive locking system controlled by one switch. Precise control while opening shall allow controlled release of liquids.	x	
11.12	Midship curbside controls for debris body and rear door shall include an emergency safety stop switch to disengage all systems.	x	
11.13	Body shall have a float type automatic shut-off system protecting the Centrifugal Compressor with (2) 10" stainless steel shut-off balls located in the debris body. Each float ball housing shall be within a non-corrosive slide-out screen assembly for easy access.	x	
11.14	The debris body shall be equipped with a rear door drain to drain off excess liquids while retaining solids and shall include a manually operated 6" butterfly valve with 10' of lay flat hose.	x	
11.15	Each float-ball housing shall be of non-corrosive material with tool-less removal for routine maintenance.	x	
11.16	Debris body shall have 450 gpm, 3" submersible trash pump, internally mounted in the forward body wall, with 3" x 35' drain hose, camlock connections, hose storage basket and 3" shutoff ball-valve. System shall be turned on/off with selector valve at curbside controls.	x	
11.17	A floor to top-of-body screen assembly for the trash pump with lower clean out shall be provided on interior of debris body forward of loading area.	x	
11.18	Rear door drain screen internal on rear door shall be minimum 5 sq. ft. (720 sq. in.)	x	
11.19	For safety a minimum of (5) vacuum tubes shall be stored on curbside storage racks to minimize operator exposure to traffic side of unit.	x	
11.20	A curb-side folding 3-pipe rack shall be provided, constructed of steel tubing, spring assisted. Shall include twist-lock retainer handles (no bungees or clamps).	x	
11.21	A street-side folding 3-pipe rack shall be provided, constructed of steel tubing, spring assisted. Shall include twist-lock retainer handles (no bungees or clamps).	x	
11.22	(2) Pipe Storage Racks Curbside waist level and (2) on rear door with twist-lock retainer handles.	x	
11.23	A 10" deep bolt-on splash shield shall be mounted around the lower 60% of door opening to direct liquid and debris into roll-off container or dumping pit.	x	
11.24	Shield shall have no gaps or openings allowing debris to splash outside of contained area or toward chassis (operators).	x	
11.25	A lubrication manifold system shall be provided to allow ground level greasing of boom lift and swing cylinders, float level indicator, top rear door hinges and debris body hoist cylinder pins.	x	
11.26	A 10" valve with 3" vent to atmosphere, electrically activated, air operated valve debris body vacuum relief system shall be located in the inlet of the vacuum system to allow the venting of the tank and relieve vacuum at the debris intake hose.	x	
11.27	A debris inlet deflector distributing load evenly in debris body shall be included.	x	
11.28	A lubrication manifold system shall be provided to allow ground level greasing of boom lift and swing cylinders, float level indicator, top rear door hinges and debris body hoist cylinder pins.	x	
11.29	A 10" valve with 3" vent to atmosphere, electrically activated, air operated valve debris body	x	

	vacuum relief system shall be located in the inlet of the vacuum system to allow the venting of the tank and relieve vacuum at the debris intake hose.	x	
11.30	A debris inlet deflector distributing load evenly in debris body shall be included.	x	
12.0	WATER TANKS:	x	
12.01	The water tanks shall be manufactured from non-corrosive material to prevent rust yet still provide for maximum strength.	x	
12.02	The water tank material shall require no internal coating and must be repairable with conventional methods.	x	
12.03	The water tanks shall be easily removed from the sub-frame to provide complete access to the truck chassis for maintenance purposes.	x	
12.04	The water tanks shall be adequately vented and connected to provide complete filling.	x	
12.05	The water tanks shall be totally separate from the debris tanks and provide no structural support.	x	
12.06	The water tanks shall share no common walls with the debris tanks to prevent corrosion.	x	
12.07	The water tanks shall come equipped with an anti-siphon device and 25' of hydrant fill hose and fittings.	x	
12.08	The water tanks shall carry a 10 year warranty against corrosion or cracking.	x	
12.08	The water tank shall be located for the lowest possible center of gravity while providing 100% gravity flooded intakes to water pump.	x	
12.09	Fresh water shall enter the tanks through an in line 6" air gap, all aluminum covered anti-siphon device.	x	
12.10	Water level sight tubes of non-yellowing plastic shall be installed on both tanks.	x	
12.11	The sides of these water tanks shall not extend more than 48" out from the centerline of the truck chassis.	x	
12.12	A fresh water drain system shall be provided to completely drain the fresh water system from one location utilizing a 3" drain port and plug.	x	
12.13	A minimum 6" and 4" connection between tanks shall be provided.	x	
12.14	For stability safety, the water tanks shall not elevate with debris body during dump cycle.	x	
12.15	A low water alarm with light at the operator station shall alert operator when water storage has 200 gallons remaining.	x	
12.16	A continuous water fill system shall be provided at the water tank inlet including an air operated valve which opens when the water level in the tanks is low.	x	
12.17	2" Y-Strainer With 25' Fill Hose	x	
12.18	(1) minimum 4" diameter in-line "Y" trap stainless steel strainer shall be located between the water tank suction and water pump inlet.	x	
12.19	3" Drain Valve with 3" gate valve at suction inlet to pump.	x	
12.20	Water tanks must be capable of utilizing complete capacity of 1500 gallons via suction sump below lowest point of tanks. Usability of 1500 gallon capacity to be verified prior to acceptance for weight distribution on front and rear (tandem) axle with full and depleted water tank scenarios upon delivery.	X	

12.21	Unit must be within legal Class "A" road maximum of 18,000# front axle and 32,000# rear tandem to be accepted. Vendor shall supply scales to verify actual measurements upon request.	x	
12.22	Water tanks shall be constructed of 10 gauge aluminum with baffled compartments maximum 150 gallons each.	x	
12.23	Liquid Float Level Indicator	x	
12.24	2-1/2" NST fire-hose thread on end of fill hose shall be provided.	x	
	Exceptions: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.:	x	
13.0	VACUUM SYSTEM AND DRIVE:		
13.01	Vacuum shall be provided by compressing air within a two-stage 38" diameter centrifugal compressor.	x	
13.02	Compressor fans to be constructed of non-corrosive material.	x	
13.03	Each centrifugal compressor fan shall be constructed of non-corrosive, hardened 1/4" chrome blades.	x	
13.04	Centrifugal compressor shall be warranted against corrosion for five years.	x	
13.05	The outer housing shall be constructed of 1/4" spun steel.	x	
13.06	Compressor housing shall be equipped with a drain not exceeding 2" diameter.	x	
13.07	Complete compressor and housing assembly shall be warranted against materials and workmanship for five years.	x	
13.08	Fan shall be powered by a 6-cylinder turbo charged 414 cu.in., 185 Hp @ 2400 rpm diesel engine (John Deere Model 6068-TF or equal) diesel engine.	x	
13.09	Auxiliary engine gauge package including voltmeter, water temperature, oil pressure, tachometer, hour meter with ignition on/off and throttle controls at front operator station.	x	
13.10	A fluid coupler drive system shall be provided including vacuum relief and controls at operator station.	x	
13.11	Step-up transmission shall be gear-type having a ratio of 1.6 To 1.	x	
13.12	Efficiency of air movement from 8" debris hose inlet thru debris body and filtration systems shall be measured by reading blower vacuum gauge while operating at maximum speed (cfm) with open inlet. Bidders are required to submit this vacuum gauge reading of air movement restriction and chassis rpm at reading. Vac Restriction Open Hose: 3"	x	
13.13	Blower shall be capable of instant disengagement while under any load scenario via e-stop emergency switch located at any control panel or remote operating device. When activated, e-stop shall disable all systems while idling engine without load.	x	
13.14	A horizontal silencer with rain cap shall exhaust above the cab.		
13.15	For added protection vacuum system shall have three (3) relief valves set to relieve at designed blower capacity enclosed within a steel cage guard for safety.		
13.16	(2) Dual vertical (cyclone) centrifugal separators shall be installed inline between the debris body and the air mover, (1) per side for each debris body discharge port. Each dual separator shall include large fallout chamber and cleanout door.	x	
13.17	For maximum efficiency, air shall be routed through two (2) separate 8" diameter ports in debris body (minimum 100 sq. in. free air flow exiting debris body).	x	

EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.

14.0	VACUUM BOOM SYSTEM:		
14.01	Vacuum hose shall be designed for front operation with hose mounted and stored at front mounted work station. Front mounted location is required for ease of positioning vacuum hose as well as minimizing need for operator to swing hose into traffic.	x	
14.17	A detailed engineering drawing must be supplied showing the relationship of the hose reel in relation with the vacuum boom range of motion. Drawing shall show module mounted on chassis, full arc of vacuum hose both retracted and extended, full rotation of arc for hose reel in the extended position and dimension all arc lengths of vacuum boom retracted and extended. Drawing shall highlight intersection areas whereby combination cleaning is possible (within full arc on telescoping boom system).	x	
14.02	All connections between debris body and vacuum system will be of the self-adjusting pressure fitting type.	x	
14.03	Vacuum hose will remain stationary and not rise with debris body.	x	
14.04	Upper debris tube shall consist of an anchored steel tube and elbow.	x	
14.05	A sub-frame mounted cab guard shall be mounted behind cab with boom rest cradle.	x	
14.06	All vacuum pipes shall be connected to vacuum pick up tube and extension pipes by adjustable over-center quick clamps to join the aluminum flanges on pipes.	x	
14.07	One (1) quick clamp for each pipe supplied shall be provided.	x	
14.08	Boom support used for travel mode shall not interfere with access or require removal to tilt hood forward.	x	
14.09	A control station shall be equipped with control switches for all directions as well as a safety emergency shut down button, which shall automatically eliminate power to boom.	x	
14.10	The vacuum boom shall have a heavy-duty flexible hose assembly joining the transition pipe to the debris body, and a 70-degree elbow and 5-1/2' heavy duty hose at the suction end of the boom.	x	
14.11	Boom shall rotate 180 degrees and shall be operated by an electric over hydraulic system. Lift and swing movements shall be actuated by hydraulic cylinders.	x	
14.12	The horizontal inner steel vacuum tube and inner box beam boom section shall telescope (tube within tube, box beam within box beam) and retract a minimum of 8' without affecting the vertical position of the pick-up tubes, and shall be located at the front work station in its retracted position, providing 277" minimum reach off the longitudinal axis of unit.	x	-
14.13	Boom shall be fully controlled by a remote push button pendant control station with 25 ft. cable. Controls to include up / down, left / right, in / out boom functions, vacuum relief, e-stop and main power switch.	x	
14.14	A joystick for hydraulic control of the boom shall be installed on hose reel front panel.	x	
14.15	A cordless remote boom control system equipped to activate boom functions, throttle, water pump on/off, hose reel in/out, hose reel speed, vacuum relief on/off and emergency disengagement e-stop shall be provided.	x	
14.16	A Quick-clamp style rotatable upper debris inlet boom hose	x	

	EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.		
15.0	WATER PUMP:		
15.01	For most efficient use of horsepower and reduced fuel consumption, high pressure rodder pump shall be hydraulically driven via (1) load sensing utility pump, (1) variable displacement pump and (1) fixed displacement pump	x	
15.02	High pressure water pump shall be rated capable of continuous delivery of 100 GPM at 2500 PSI (submit manufacturer support documentation).	x	
15.03	High-pressure water (rodder) pump system shall include controls for operation of three modes: (1) Low-flow 0-22 gpm / 2500 psi; (2) Medium-flow sewer-cleaning, 22-60 gpm / 2500 psi; and (3) High-flow sewer-cleaning, 60-90 gpm / 2500 psi.	x	
15.04	Variation of water (rodder) pump speed shall be monitored via digital flow meter readout mounted within view of mode operation controls.	x	
15.05	This hydraulic drive system shall allow variation of water pump speed independent of required vacuum drive speed within maximum drive engine speed of 1760 RPM.	x	
15.06	Water flow adjustment control on front panel shall be within clear view of digital flow meter to precisely control speed of rodder pump operation.	x	
15.07	Variable flow systems routing water back-to-tank are not considered equal due to additional wear, horsepower and fuel consumption. Any deviation from this drive requirement should have full explanation of horsepower consumption.	x	
15.08	Water pump location shall provide a flooded <u>gravity</u> suction inlet to eliminate potential cavitation damage.	x	
15.09	An oil to water heat exchanger will be provided in the water system to cool all hydraulic fluids on the unit. State horsepower requirement to operate hydraulics at full speed: 116HP	x	
15.10	The water pump shall provide precise 0-80 GPM controlled flow at variable pressure up to 2500 PSI.	x	
15.11	Two (2) 1/2" high pressure ball valves shall be provided for draining the water pump and flushing sediment from the bottom of the pump.	x	
15.12	A nozzle rack accommodating (7) nozzles shall be provided in curbside toolbox. The nozzles shall be labeled on storage rack for pipe size/flow and application.	x	
15.13	Handgun shall be supplied that allows for changing of flow pattern from a fine mist to a steady stream.	x	
15.14	Handgun shall come equipped with quick connect couplers.	x	
15.15	A 1" water relief valve shall be provided.	x	
15.16	A mid-ship quick disconnect handgun couplers shall be provided.	x	
15.17	A water pump hour meter shall be provided.	x	
	EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.		
16.0	TELESCOPING/ROTATING HOSE REEL:		

16.01	Hose reel assembly shall be mounted on an independent frame that can be removed from brackets attached permanently to front of main truck frame members.	x	
16.02	Reel will be manufactured out of 1/4" spun steel for added structural strength and shall require no internal or external reinforcements that could damage rodder hose.	x	
16.03	Hose reel shall be driven by adjustable gear reduction chain and sprocket assembly.	x	
16.04	Hose reel shall operate at full rotational speed while chassis engine is at idle.	x	
16.05	Telescoping rotating hose reel with dual controls.	x	
16.06	The front mounted hose reel shall telescope 15" forward down centerline of truck.	x	
16.07	Entire reel assembly shall rotate 270° degrees on a large diameter ball bearing.	x	
16.08	Hose reel shall include a dual locking device to positively lock reel in any position across operating range.	x	
16.09	The hose reel shall rotate about the reel assembly centerline so the reel shall never extend beyond the truck width. All operations shall position personnel within width of vehicle. Reel coverage diagram shall be submitted with bid.	x	
16.10	For safety, controls shall accessible on both sides of the hose reel, allowing operator to work at either side of unit within width of vehicle.	x	
16.11	600' x 1" Sewer Hose/2500 Psi	x	
16.12	A manual hose level wind guide shall be provided for rewinding of jet hose onto the reel.	x	
16.13	An air-cylinder actuated pinch-roller shall exert downward pressure across full width of reel to retain hose on reel when encountering nozzle blockages.	x	
16.14	A mechanical hose footage counter shall be supplied to indicate relative hose travel.	x	
16.15	Hose Reel Chain Cover (Full)	x	
16.16	Two (2) 1/2" high pressure ball valves shall be provided for draining the water pump and flushing sediment from the bottom of the pump.	x	
16.17	A handgun with 1/2" x 35' hose shall be provided at mid-ship to which allow the operator to deliver water to area served by pick up hose and to the inside of the debris body for clean out.	x	
	EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.		
17.0	FRONT OPERATING STATION AND CONTROLS:		
17.01	Primary operator station will be located at front of truck on right curb side of hose reel.	x	
17.02	Complete module electronic diagnostics on operator control panel shall be included. Pane shall rotate 90 degrees to accommodate operator position.	x	
17.03	Data logging of engine/water pump/PTO's/water usage/hose paying-payout.	x	
17.04	Hour meter data recording of all functions to supply preventative maintenance info.	x	
17.05	Tachometer and hour meter for auxiliary engine provided at front control station.	x	
17.06	Capable of fuel usage log while in stationary mode	x	
17.07	All front operator controls shall be accessible while operating either front and rear side of reel assembly. All operations to either side of unit shall position operator in front of vehicle affording protection from oncoming traffic.	x	

17.08	Station shall include truck engine throttle, water pump (on/off), water pump mode, water pump flow meter, hose reel control valve (forward / reverse), adjustable hose reel speed control, oil dampened water pressure gauge, boom controls, digital water pump flow meter, and low water warning light.	x	
17.09	Electronic Digital Hose Footage Counter - Vansco Panel measuring absolute and relative footage +/-1% Readout shall be on rotatable panel to accommodate operator.	x	
17.10	All Hydraulic Functions - Color Coded, Sealed Electric/Hydraulic Nema 4 switches	x	
17.11	Auxiliary Engine/Vacuum Relief - Sealed Electric/Air Nema 4 Switches	x	
	EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.		
18.0	ELECTRICAL & SAFETY LIGHTING:		
18.01	The entire system shall be vapor sealed to eliminate moisture damage, "Nema-4" type or equal. All connections to a component shall be made with a molded plug or otherwise environmentally sealed connector. Individual wires shall be terminated with a terminal which is crimped, soldered, and covered with heat shrink tubing. Splices should be avoided. If a spliced wire cannot be avoided, the splice shall be soldered and covered with heat shrink tubing. Under no circumstances will the use of the following items or methods be accepted: Crimp-type butt connectors, scotch-lok's, solderless terminals, electrical tape, wire nuts, in-line fuses.	x	
18.02	All electrical connections shall be void of exposed wires or terminals nor should they be painted. Paint process shall be completed prior to installation of wiring.	x	
18.03	All wiring shall be color-coded and encased in conduit to sealed terminal boxes with circuit breakers.	x	
18.04	All light bulbs shall be shock mounted to eliminate bulb failure.	x	
18.05	All other lights required by State and Federal Laws.	x	
18.06	Split-arrow (29" per side) directional 10-light arrow board (Signal Master or equal) shall be mounted on rear door of debris body, with controls mounted in cab.	x	
18.07	A pistol grip hand light with bumper plug and 25' coiled cord shall be provided.	x	
18.08	Strobe LED Amber Light - Truck Lite - Front cab guard mounted only.	x	
18.09	Strobe LED Amber Light - Truck Lite -Rear Mounted Only	x	
18.10	Limb guard for strobe light (each)	x	
18.11	LED Bumper Strobes Lights - Truck Lite - Recessed in Tail Plate of Vactor	x	
18.12	LED Rear chassis lights; Clearance, backup, stop, tail and turn	x	
18.13	LED Worklights (2) on Telescopic Boom	x	
18.14	LED Worklights at Operator Station (Each)	x	
18.15	Lighting: All lighting required by the Federal Motor Vehicle Safety Standard #108 shall be installed. All rear facing stop, turn, or tail lamps shall be flush mounted, sealed LED units (such as Grote 53312, 53192, 53252, or 53302) All clearance lamps shall be 2 1/2", grommet mounted, sealed LED units (such as Grote 47232, or 47233). License plate lamp shall be a sealed LED unit (such as Grote 6038). Backup lamps shall be sealed LED units (such as Truck Lite 44236C or 44206C)	x	
18.16	Strobe box supplied system will not be accepted	x	

	EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.		
19.0	SAFETY EQUIPMENT:		
19.01	Complete module electronic diagnostics on operator control panel shall be included. Panel shall rotate 90° to accommodate operator position.	x	
19.01	Safety e-stop shutoff controls at each human-machine interface (including remote devices). All e-stops switches shall disengage all system, open vacuum reliefs and safely return engine to idle.	x	
19.02	Priority control of remote devices (when wireless is enabled).	x	
19.02	System check and interlock verify all switches in home position prior to allowing engagement of any system to be included.	x	
19.02	Rear door safety prop shall be provided on exterior of rear door keeping operator out of door swing path.	x	
19.06	(1) Emergency Flare Kit	x	
19.06	(1) 5# Fire Extinguisher	x	
19.08	Dash mounted Quad-Cam Safety Vision Kit, Front/Rear and Cameras Both Sides, 7" Dash Monitor	x	
19.09	The Dash Mounted Rear and Side Vision Camera System shall include the following:	x	
19.10	Dash Mounted 7" Diagonal x 1" Deep Flat LCD Color Monitor shall be provided.	x	
19.11	Front Hose Reel Color Camera With 130° Viewing Angle shall be provided.	x	
19.12	Rear Back-up Color Camera With 130° Viewing Angle shall be provided.	x	
19.13	Left and Right Side Mounted Color Cameras, each With 130° Viewing Angle shall be provided.	x	
19.14	LED Low Light Assist On Each Camera shall be provided.	x	
19.14	Automatic Activation of Rear Camera When Transmission REVERSE is selected shall be provided.	x	
19.14	Automatic Activation of Appropriate Side Camera When Turn Signal is activated shall be provided.	x	
19.14	Quad- Adapter shall be provided.	x	
19.15	Waterproof cable connector shall be provided.	x	
	EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.		
20.0	SEWER TOOLS AND ACCESSORIES:	x	
20.01	(1) 30° Sand Nozzle (70 gpm/2500psi)	x	
20.02	(1) 30° Sanitary Nozzle (80gpm/2500psi)	x	
20.03	(1) 15° Sanitary Nozzle (40gpm/2500psi)	x	
20.04	(1) 1" Small finned nozzle pipe skid	x	
21.05	(1) Flexible Hose Guide	x	
	EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.		

21.0	VACUUM TOOLS AND ACCESSORIES:		
21.01	The basic vacuum tube package shall include the following:	x	
21.02	(1) 8" x 3' aluminum pipe	x	
21.03	(2) 8" x 5' aluminum pipe	x	
21.04	(1) 8" x 6'6" catch basin tube	x	
21.05	(4) 8" quick clamps	x	
21.06	8" x 6.5' catch basin nozzle assemble	x	
	EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.		
22.0	CHASSIS EQUIPMENT AND STORAGE		
22.01	Two (2) front tow hooks shall be provided.	x	
22.02	(1) 22W x 20H x 63D Aluminum Toolbox - Passenger Side	x	
22.03	16 x 12 x 18 Front Bumper Toolboxes (2)	x	
22.08	A safety cone storage rack shall be provided.	x	
	EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.		
23.0	2012 CHASSIS:		
23.01	The module, equipment and accessories shall be mounted on a 2012 Kenworth T470 6X4, or equal : Cummins ISL9-345 Hp, Allison 3000RDS, 66000 GVW, the following measurements are averages, however these measurements will be set by the body manufacturer: 193 CA/CT, 71 AF. Wheelbase typically 210 inches - 260 inches. Final wheelbase will be determined by body manufacturer. Unit shall have front PTO provisions. NOTE: The model year shall be at least a 2012 or newer, no exceptions.	x	
23.02	GVWR: 66,000.	x	
23.03	6 X 4 Dimensions: Average 260" WB, 193" CA, 71" AF final measurements to be determined by body manufacturer.	x	
23.04	Diesel Engine: Cummins ISL9 or equal . Minimum horsepower rating of 345. Minimum torque rating of 1200 lb. /ft. Minimum displacement of 8.9 liters. Engine warranty shall cover all internally lubricated components, gaskets, seals, fuel system parts (including injectors), and electronic engine management components. Printed literature or a letter from the engine manufacturer outlining the details of the engine warranty shall be provided with your bid.	x	
23.05	Transmission: Allison model RDS 3000 series with Allison electronic shift control. Transmission shall be provided with Allison Extended Transmission Coverage (ETC) for a period of four (4) years <i>beyond</i> the standard warranty for a total warranty period of five (5) years. Transmission shall be filled with Allison TranSynd™ transmission fluid prior to delivery.	x	
23.06	Transmission shift control: Push Button on Dash.	x	

23.07	Block Heater: Engine shall be equipped with 110-120 volt, 1500 watt immersion type pre heater. Engine heater receptacle shall be flush mounted on driver's (left) side of cab easily visible by person entering cab.	X	
23.08	Allison RDS spare input/output for Rugged Duty Series Sewer Truck.	X	
23.09	Frame Rails: Heat treated alloy steel minimum 10 5/8" X 3 1/2" x 5/16" – each frame rail shall have a RBM rating of not less than 3,000,000. Full steel insert to be added to frame. Frame rails of chassis shall not be drilled, cut, or altered in any way other than that approved by the chassis manufacturer. Frame shall have a 24" integral front frame extension.	X	
23.10	Front Bumper: Supplied by body manufacturer & shall be painted black.	X	
23.11	Front Axle: Meritor FL941 standard track 22,000 lb. capacity. Front hubs, iron hub pilot 22,000 lbs. Front suspension shall include single overload cushions.	X	
23.12	Front Suspension: Taperleaf 22,000 lb. with shock absorbers.	X	
23.13	Brake System: Air, dual system for straight truck applications.	X	
23.14	Front Brakes: Meritor 16.5 X 6 Q-Plus, MGM 24 long stroke chambers with automatic slack adjusters.	X	
23.15	Drain Valve: Manual, with pull chain for air tank.	X	
23.16	Air Brake ABS: Bendix ABS, full vehicle wheel control system (4-channel).	X	
23.17	Air Drier: Bendix AD-IP.	X	
23.18	Rear Brakes: Meritor 16.5 X 7 Q-Plus, MGM TR3030 long stroke chambers with automatic slack adjusters.	X	
23.19	Heavy-Duty spring actuated parking brake.	X	
23.20	Air Compressor: Cummins 18.7 CFM for ISL engines.	X	
23.21	Dual power steering gears, 22,000 lbs. TRW TAS65.	X	
23.22	Power steering cooler, radiator mounted air to oil.	X	
23.23	Front frame raised 1 1/2 inches.	X	
23.24	Steering Column: Tilting, Steering Wheel: 4 spoke, 18" diam. Black.	X	
23.25	Exhaust System: 5 inch, single vertical, right hand mount, outside of cab, 45 degree turnout stack.	X	
23.26	Electrical system 12 volt standard.	X	
23.27	Headlights: Low beam dual complex reflector.	X	
23.28	Hazard Switch: Push on/ push off, located top of steering column cover.	X	
23.29	Marker Lights: Five aerodynamic, cab mounted.	X	
23.30	Stop, turn, tail, and backup lights: All LED, supplied by body manufacturer.	X	
23.31	Turn Signals: Front fender mounted, includes reflectors and side turn signals, and solid state flashers.	X	
23.32	Windshield Wiper Switch: 2 speed with wash and intermittent integral with turn signal switch.	X	
23.33	High and low electric horns.	X	
23.34	Alternator: Leece-Neville, 12 volt, minimum 160 amp. Capacity.	X	
23.35	Body Manufacturer Wiring: Wiring located back of cab at left frame, sealed connectors for tail/amber turn/marker/backup/accessory, power/ground, and stop/turn.	X	
23.36	Multi- function engine connector for body manufacturer to interface for Cummins.	X	
23.37	Battery System: 2 PACCAR GP31 screw post, 2000 CCA starting. Battery box cantilever	X	

	aluminum with fiberglass cover located left side.		
23.38	2 way radio wiring with 20 amp. Fuse protection, ignition wire with 5 amp. Fuse, wire end heat shrink, 10 foot coil taped to base harness.	x	
23.39	Radio: Kenworth AM/FM, Weatherband, clock, auxiliary input, multiple speakers.	x	
23.40	Back-up Alarm: Unit shall have an electronic backup alarm device installed. Alarm must meet OSHA requirements.	x	
23.41	Air Horn: Single trumpet, air solenoid operated, mounted under cab.	x	
23.42	Starter: Shall be a Delco-Remy 12 volt with thermal over crank protection.	x	
23.43	Fender Extensions: 2 inch rubber.	x	
23.44	Hood/Grill: Sloped aerodynamic T440 hood with mounted grill, split fenders w/mudflaps.	x	
23.45	Paint: Shall be base coat/clear coat white, with black chassis.	x	
23.46	Fan Hub: Horton 2 speed for ISL9 Cummins.	x	
23.47	Radiator: Aluminum cross flow radiator, 1300 square inches, and an air-to-air aftercooler. Cooling system shall have external spin-on type coolant filter. Coolant shall be all-weather ethyl-glycol type providing protection to -30° F.	x	
23.48	Module Heat Exchanger: Additional chassis engine cooling utilizing cool portable water pump inlet supply tied into water cooling system for maximum engine cooling while stationary – thermostatically controlled (supplied by body manufacturer).	x	
23.49	Radiator Hoses: All coolant hoses shall be silicone rubber with hose clamps designed for use with silicone hose.	x	
23.50	Air Cleaner: Shall be a dual element Donaldson with air restriction gauge, air cleaner mounted.	x	
23.51	Hand control throttle steering wheel mounted.	x	
23.52	Transmission oil cooler – water to oil.	x	
23.53	Transmission oil pan magnet, located in transmission pan.	x	
23.54	Tandem Rear Axle: Tandem rear axles and shall have a rated capacity of not less than 46,000 lbs. Rear axle shall be single speed, double reduction drive. No single reduction rear axles will be considered. Axle ratio shall provide a top speed of 65 MPH. Anti-sail mud flaps shall be installed behind rear wheels.	x	
23.55	Rear axle drain plugs (2) magnetic, for tandem rear axle.	x	
23.56	Rear Suspension: Dual Meritor RT46-164PEH rear axles rated at 46,000 lbs., 54 inch axle spacing. Steel beams and bar pin bushings, 6 inch saddle height, unladen height 11.1 inches, laden height 10 inches. Rear hubs aluminum hub pilot 46,000 lbs.	x	
23.57	Fuel Water Separator: With fuel heater, thermostatic fuel temperature control.	x	
23.58	Fuel Tank: 100 US gallons, 24.5 inch aluminum, with out locking cap, anti-siphon device on filler neck, mounted left side. Kenworth fuel cooler for single tanks shall be installed.	x	
23.59	DEF Tank: Round 9 gallon DEF tank mounted left side with fuel tank.	x	
23.60	Gauge Cluster-Electronic: Engine oil, water temperature, fuel level, tachometer, voltmeter, ambient temperature, Allison transmission oil temperature.	x	
23.61	Warning System: Electronic engine management system shall provide warning, derating and shutdown for conditions such as low engine oil pressure, high oil temperature, high coolant temperature, and low coolant level.	x	
23.62	Air cleaner restriction gauge with black bezel mounted in instrument panel.	x	
23.63	Driver Seat: Kenworth Air Cushion Plus , high-back, cloth.	x	
23.64	Passenger Seat: Kenworth Toolbox Plus, high-back, cloth.	x	

23.65	Mirrors: Dual power lighted mirrors, 7 inch X 16 inch polished stainless steel, thermostatically controlled and lighted. Single convex 8 ½ inch X 4 7/16 inch located on right side, dual convex 8 inch offset mount, located under driver's mirror.	x	
23.66	Under dash center console with cupholder and (2) two 12 volt outlets.	x	
23.67	Air Conditioning: With integral heater and defroster, fresh air filter for HVAC, premium heater hoses, and refrigerant HFC-134A.	x	
23.68	Cab Interior: Slate Gray with dark slate gray trim, seat color dark slate gray.	x	
23.69	Cab access contoured outside grab handles, left and right hand.	x	
23.70	Grab handles inside door frame above dash, left and right hand.	x	
23.71	Front Disc Wheels: 22.5 powder coated steel (white), 10 stud, hub piloted, 5 hand-hole, flange nut, metric mount.	x	
23.72	Rear Disc Wheels: 22.5 powder coated steel (white), 10 stud, hub piloted, 2 hand hole, flange nut, metric mount.	x	
23.73	Rear Tires: (8) Bridgestone M843 11R22.5 16 ply.	x	
23.74	Front Tires: (2) Bridgestone 844 425/65R22.5 20 ply.	x	
23.75	Chassis Warranty: 1 year, unlimited miles.	x	
23.76	Engine Warranty: Cummins 2 year, 200,000 miles.	x	
23.77	Allison Transmission Warranty: Allison Extended Transmission Coverage for a period of (5) years.	x	
23.78	Chassis custom parts manual.	x	
23.79	Chassis custom service manual.	x	
23.80	Engine custom parts manual.	x	
23.81	Engine custom service manual.	x	
23.82	Transmission custom parts manual.	x	
23.83	Transmission custom service manual.	x	
23.84	Winning bidder shall furnish all software and or tools needed to service/interface with, cab and chassis, engine, transmission, and auxiliary engine.	x	
	EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.		
24.0	MODULE MANUALS / TRAINING MATERIALS:	x	
24.01	Module Safety, Operations & Parts Manual with Electrical Schematics	x	
24.02	(1) Vactor Manual - (1) Partial Manual and CD Version	x	
24.03	CD Rom: Nozzle Applications	x	
24.04	PowerPoint presentation outlining module maintenance	x	
	EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.		

25.0	MODULE WARRANTIES:		
25.01	Complete Module Warranty: 1 Year Parts and Labor	x	
25.02	Water Pump Warranty: 1 Year Parts and Labor	x	
25.03	Centrifugal Compressor/Housing Warranty: 5-Year Parts/Labor	x	
25.04	Water Tanks: Ten (10)-Year Parts and Labor	x	
25.05	Debris Tank: Five (5)-Year Parts and Labor	x	
25.06	<i>Warranty certificates of original equipment manufacturers must be submitted with bid package. Letters or statements of warranty not directly from original equipment manufacturer will not be acceptable.</i>	x x	
	EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.		
26.0	PAINT:		
26.01	All painted body parts shall be shot-blasted and acid washed prior to primer. All module components shall be painted wet-on-wet prior to assembly and installation of hydraulic and wiring systems. No electrical wire, hydraulic hose, or fittings shall be painted.	x	
26.02	Chassis cab shall be painted with OEM Standard White, frame shall be black.	x	
26.03	Body module color shall be white.	x	
26.02	Chevron reflective tape stripes shall be applied onto the rear door.	x	
	EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.		
27.0	DELIVERY:		
27.01	The completed unit as specified herein shall be completely assembled, adjusted, and all equipment, standard and specified, is installed and functioning. Completed unit shall be delivered to LFUCG Fleet Service 669 Byrd Thurman Dr. Lexington, KY. Unit shall have no less than 25 gallons of fuel.	x	
27.02	Unit furnished shall be physically inspected by LFUCG personnel before unit is accepted. Appropriate measures will be taken to insure compliance with specifications, and to check for completeness and if fully operational. Failure to meet any aspect of this specification for which an exception was not taken may be grounds for refusal of delivery and/or payment.	x	
27.03	Literature: Manufacturer's literature which shall include complete specifications and warranty shall be included with bid and becomes integral part of bid. All literature submitted shall be original printed material- no photocopied material. Any modifications which may be necessary to meet specifications must be listed in writing and submitted as integral part of bid.	x	
27.04	Method of Award: Purchase order for the purchase of the equipment described herein will be made to the responsive and responsible bidder who has the capability to comply with the bid specifications at the lowest unit price.	x	
27.05	All equipment furnished shall be new and unused, current model production as stated in specifications.	x	

27.06	Units shall retain all standard equipment as shown in published literature unless replaced by optional equipment specified herein. Units provided under this specification shall fully comply with any and all applicable OSHA and ANSI standards as well as all applicable Federal, State, and local laws, regulations, ordinances, resolutions, and codes at time of delivery.	x	
27.07	<p>Chassis Warranty: A minimum chassis warranty shall be a period of (3) three years or 100,000 miles to include parts and labor is required. If dealer's repair location is in excess of fifteen miles from Lexington, KY warranty service shall be performed at the Fleet Services facility. At the dealer's option, warranty repairs may be performed at the dealer's location provided the dealer picks up the vehicle within 24 hours of notification and returns vehicle upon completion of repairs, maximum 72 hours. When the dealer elects this option, all transportation expenses shall be included in the warranty coverage.</p> <p>In the interest of reduced downtime, the Division of Fleet Services may be designated a warranty repair shop. An in-house warranty agreement shall include reimbursement or credit for parts at 100% of their cost and labor at an hourly rate of seventy five dollars (\$75.00). If the vehicle manufacturer publishes a time table for standard repair operations, one will be furnished and will be used to determine billable labor. If such a standard does not exist, dealer agrees to reimburse labor as recorded on LFUCG repair orders (actual time). Dealer shall furnish any forms the manufacturer may require for warranty return parts. LFUCG will bill the dealer for warranty repairs at three month intervals during the warranty period. Dealer shall agree to accept LFUCG repair orders as evidence of work performed.</p> <p>A separate sheet titled "WARRANTY" shall be submitted with bid and becomes an integral part of bid. Warranty sheet shall detail the length and terms of equipment warranty, response time to warranty service requests, and an indication of your acceptance or rejection of the in-house warranty terms described herein.</p>	x	
27.08	<p>Basic Module and Water Pump Warranty: A minimum warranty period of one year to include parts and labor is required. If dealer's repair location is in excess of fifteen miles from Lexington, KY warranty service shall be performed at the Fleet Services facility. At the dealer's option, warranty repairs may be performed at the dealer's location provided the dealer picks up the vehicle within 24 hours of notification and returns vehicle upon completion of repairs, maximum 72 hours. When the dealer elects this option, all transportation expenses shall be included in the warranty coverage.</p> <p>In the interest of reduced downtime, the Division of Fleet Services may be designated a warranty repair shop. An in-house warranty agreement shall include reimbursement or credit for parts at 100% of their cost and labor at an hourly rate of seventy five dollars (\$75.00). If the vehicle manufacturer publishes a time table for standard repair operations, one will be furnished and will be used to determine billable labor. If such a standard does not exist, dealer agrees to reimburse labor as recorded on LFUCG repair orders (actual time). Dealer shall furnish any forms the manufacturer may require for warranty return parts. LFUCG will bill the dealer for warranty repairs at three month intervals during the warranty period. Dealer shall agree to accept LFUCG repair orders</p>	x	

	<p>as evidence of work performed.</p> <p>A separate sheet titled "WARRANTY" shall be submitted with bid and becomes an integral part of bid. Warranty sheet shall detail the length and terms of equipment warranty, response time to warranty service requests, and an indication of your acceptance or rejection of the in-house warranty terms described herein.</p>	x	
27.09	<p>Centrifugal Compressor/Housing Warranty: A minimum warranty period of five years to include parts and labor is required. If dealer's repair location is in excess of fifteen miles from Lexington, KY warranty service shall be performed at the Fleet Services facility. At the dealer's option, warranty repairs may be performed at the dealer's location provided the dealer picks up the vehicle within 24 hours of notification and returns vehicle upon completion of repairs, maximum 72 hours. When the dealer elects this option, all transportation expenses shall be included in the warranty coverage.</p> <p>In the interest of reduced downtime, the Division of Fleet Services may be designated a warranty repair shop. An in-house warranty agreement shall include reimbursement or credit for parts at 100% of their cost and labor at an hourly rate of seventy five dollars (\$75.00). If the vehicle manufacturer publishes a time table for standard repair operations, one will be furnished and will be used to determine billable labor. If such a standard does not exist, dealer agrees to reimburse labor as recorded on LFUCG repair orders (actual time). Dealer shall furnish any forms the manufacturer may require for warranty return parts. LFUCG will bill the dealer for warranty repairs at three month intervals during the warranty period. Dealer shall agree to accept LFUCG repair orders as evidence of work performed.</p> <p>A separate sheet titled "WARRANTY" shall be submitted with bid and becomes an integral part of bid. Warranty sheet shall detail the length and terms of equipment warranty, response time to warranty service requests, and an indication of your acceptance or rejection of the in-house warranty terms described herein.</p>	x	
27.10	<p>Water Tank Warranty: A minimum warranty period of ten years to include parts and labor is required. If dealer's repair location is in excess of fifteen miles from Lexington, KY warranty service shall be performed at the Fleet Services facility. At the dealer's option, warranty repairs may be performed at the dealer's location provided the dealer picks up the vehicle within 24 hours of notification and returns vehicle upon completion of repairs, maximum 72 hours. When the dealer elects this option, all transportation expenses shall be included in the warranty coverage.</p> <p>In the interest of reduced downtime, the Division of Fleet Services may be designated a warranty repair shop. An in-house warranty agreement shall include reimbursement or credit for parts at 100% of their cost and labor at an hourly rate of seventy five dollars (\$75.00). If the vehicle manufacturer publishes a time table for standard repair operations, one will be furnished and will be used to determine billable labor. If such a</p>	x	

	<p>standard does not exist, dealer agrees to reimburse labor as recorded on LFUCG repair orders (actual time). Dealer shall furnish any forms the manufacturer may require for warranty return parts. LFUCG will bill the dealer for warranty repairs at three month intervals during the warranty period. Dealer shall agree to accept LFUCG repair orders as evidence of work performed.</p> <p>A separate sheet titled "WARRANTY" shall be submitted with bid and becomes an integral part of bid. Warranty sheet shall detail the length and terms of equipment warranty, response time to warranty service requests, and an indication of your acceptance or rejection of the in-house warranty terms described herein.</p>	x	
27.11	<p>Debris Tank Warranty: A minimum warranty period of five years to include parts and labor is required. If dealer's repair location is in excess of fifteen miles from Lexington, KY warranty service shall be performed at the Fleet Services facility. At the dealer's option, warranty repairs may be performed at the dealer's location provided the dealer picks up the vehicle within 24 hours of notification and returns vehicle upon completion of repairs, maximum 72 hours. When the dealer elects this option, all transportation expenses shall be included in the warranty coverage.</p> <p>In the interest of reduced downtime, the Division of Fleet Services may be designated a warranty repair shop. An in-house warranty agreement shall include reimbursement or credit for parts at 100% of their cost and labor at an hourly rate of seventy five dollars (\$75.00). If the vehicle manufacturer publishes a time table for standard repair operations, one will be furnished and will be used to determine billable labor. If such a standard does not exist, dealer agrees to reimburse labor as recorded on LFUCG repair orders (actual time). Dealer shall furnish any forms the manufacturer may require for warranty return parts. LFUCG will bill the dealer for warranty repairs at three month intervals during the warranty period. Dealer shall agree to accept LFUCG repair orders as evidence of work performed.</p> <p>A separate sheet titled "WARRANTY" shall be submitted with bid and becomes an integral part of bid. Warranty sheet shall detail the length and terms of equipment warranty, response time to warranty service requests, and an indication of your acceptance or rejection of the in-house warranty terms described herein.</p>	x	
27.12	<p>Training: Manufacturer's representative shall spend a minimum of one (1) day instructing LFUCG mechanics and a minimum of one (1) day for operators in the maintenance and operation of the equipment provided. Training is to be provided on separate days. Training shall be provided at the LFUCG facilities at the Byrd Thurman Drive location.</p>	x	
27.10	<p>Demonstrator: If specific model bid is not currently in use by the LFUCG, we reserve the right to request a demonstrator unit for a minimum of two (2) days. Demonstrator unit must be available within ten (10) business days of request.</p>	x	

	EXCEPTIONS: Bidder MUST describe in detail ON COMPANY LETTERHEAD any exceptions to the Section Above.		
--	---	--	--

Price For Complete Unit \$374.975.00

**RISK MANAGEMENT PROVISIONS
INSURANCE AND INDEMNIFICATION**

INDEMNIFICATION AND HOLD HARMLESS PROVISION

VENDOR agrees to defend, indemnify and hold harmless the Lexington-Fayette Urban County Government, its elected and appointed officials, employees, agents, boards, assigns, volunteers, and successors in interest from any and all losses resulting from negligent or willful acts of VENDOR or its employees, agents, owners, principals, licensees, assigns, and subcontractors of any tier, or arising from any errors or omissions of VENDOR. Such losses include, but are not limited to, claims, liens, demands, causes of action, judgments, penalties, interest, court costs, legal fees, and litigation expenses that arise or are incurred as a result of personal injury or death (including employees of LFUCG) or property damage (including property of LFUCG).

The above agreement to defend includes: (1) investigating, handling, responding to, providing a defense for, and defending all such claims, liens, demands, and causes of action; (2) paying all reasonable expenses related thereto; and (3) using attorneys approved in writing by LFUCG, which approval shall not be unreasonably withheld. This Indemnification and Hold Harmless Provision shall in no way be limited by any financial responsibility or insurance requirements, and shall survive the termination of this contract.

FINANCIAL RESPONSIBILITY

VENDOR understands and agrees that it shall, prior to final acceptance of its bid and the commencement of any work, demonstrate the ability to assure compliance with the above Indemnity provisions and these other risk management provisions.

INSURANCE REQUIREMENTS

YOUR ATTENTION IS DIRECTED TO THE INSURANCE REQUIREMENTS BELOW, AND YOU MAY NEED TO CONFER WITH YOUR INSURANCE AGENTS, BROKERS, OR CARRIERS TO DETERMINE IN ADVANCE OF SUBMISSION OF A RESPONSE THE AVAILABILITY OF THE INSURANCE COVERAGES AND ENDORSEMENTS REQUIRED HEREIN. IF YOU FAIL TO COMPLY WITH THE INSURANCE REQUIREMENTS BELOW, YOU MAY BE DISQUALIFIED FROM AWARD OF THE CONTRACT.

Required Insurance Coverage

VENDOR shall procure and maintain for the duration of this contract the following or equivalent insurance policies at no less than the limits shown below and cause its subcontractors to maintain similar insurance with limits acceptable to LFUCG in order to protect OWNER against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by LFUCG. The cost of such insurance shall be included in any bid:

Coverage

Limits

General Liability
(Insurance Services Office Form CG 00 01)

\$2 million per occurrence, \$5 million aggregate
or \$5 million combined single limit

Commercial Automobile Liability
(Insurance Services Office Form CA 0001)

combined single, \$1 million per occurrence

Worker's Compensation	Statutory
Employer's Liability	\$500,000.00

The policies above shall contain the following conditions:

- a. All Certificates of Insurance forms used by the insurance carrier shall be properly filed and approved by the Department of Insurance for the Commonwealth of Kentucky. LFUCG shall be named as an additional insured in the General Liability Policy and Commercial Automobile Liability Policy using the Kentucky DOI approved forms.
- b. The General Liability Policy shall be primary to any insurance or self-insurance retained by LFUCG.
- c. The General Liability Policy shall have a Products liability endorsement unless it is deemed not to apply by OWNER.
- d. LFUCG shall be provided at least 30 days advance written notice via certified mail, return receipt requested, in the event any of the required policies are canceled or non-renewed.
- e. Said coverage shall be written by insurers acceptable to LFUCG and shall be in a form acceptable to LFUCG. Insurance placed with insurers with a rating classification of no less than Excellent (A or A-) and a financial size category of no less than VIII, as defined by the most current Best's Key Rating Guide shall be deemed automatically acceptable.

Renewals

After insurance has been approved by OWNER, evidence of renewal of an expiring policy must be submitted to OWNER, and may be submitted on a manually signed renewal endorsement form. If the policy or carrier has changed, however, new evidence of coverage must be submitted in accordance with these Insurance Requirements.

Deductibles and Self-Insured Programs

IF YOU INTEND TO SUBMIT A SELF-INSURANCE PLAN IT MUST BE FORWARDED TO LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT, DIVISION OF RISK MANAGEMENT, 200 EAST MAIN STREET, LEXINGTON, KENTUCKY 40507 NO LATER THAN A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO THE RESPONSE DATE. Self-insurance programs, deductibles, and self-insured retentions in insurance policies are subject to separate approval by Lexington-Fayette Urban County Government's Division of Risk Management, upon review of evidence of VENDOR's financial capacity to respond to claims. Any such programs or retentions must provide LFUCG with at least the same protection from liability and defense of suits as would be afforded by first-dollar insurance coverage. If VENDOR satisfies any portion of the insurance requirements through deductibles, self-insurance programs, or self-insured retentions, VENDOR agrees to provide Lexington-Fayette Urban County Government, Division of Risk Management, the following data prior to the final acceptance of bid and the commencement of any work:

- a. Latest audited financial statement, including auditor's notes.
- b. Any records of any self-insured trust fund plan or policy and related accounting statements.
- c. Actuarial funding reports or retained losses.

- d. Risk Management Manual or a description of the self-insurance and risk management program.
- e. A claim loss run summary for the previous five (5) years.
- f. Self-Insured Associations will be considered.

Verification of Coverage

VENDOR agrees to furnish LFUCG with all applicable Certificates of Insurance signed by a person authorized by the insurer to bind coverage on its behalf prior to final award, and if requested, shall provide LFUCG copies of all insurance policies, including all endorsements.

Right to Review, Audit and Inspect

CONSULANT understands and agrees that LFUCG may review, audit and inspect any and all of its records and operations to insure compliance with these Insurance Requirements.

DEFAULT

VENDOR understands and agrees that the failure to comply with any of these insurance, safety, or loss control provisions shall constitute default and that LFUCG may elect at its option any single remedy or penalty or any combination of remedies and penalties, as available, including but not limited to purchasing insurance and charging VENDOR for any such insurance premiums purchased, or suspending or terminating the work.

00321805



*"World's Largest Distributor of Sewer Cleaning
and Industrial Waste Handling Equipment"*

Jack Doheny Companies
4937A Fieldstone Drive
Whitestown, Indiana 46075
(502) 262-6001

August 5, 2011

Mr. Chris Begley
Superintendent
Sewer Line Maintenance
Lexing Fayette Urban County Government
301 Lisle Industrial Ave.
Lexington, KY. 40511

Dear Mr. Chris Begley

We are pleased to provide you detailed specifications (attached) of the equipment listed below:

One (1) New 2012 VACTOR Model 2115 combination sewer vacuum & high pressure jet rodder having centrifugal fan with auxilliary engine and 15 cubic yard debris hopper capacity, equipped with the following:

DEBRIS TANK:

15 Cubic Yard Debris Tank
Cylindrical, 1/4" Exten Steel Debris Body
Double Acting Hydraulic Dump Hoist Cylinder
Full Opening Rear Door
60" Dump Height Capability

DEBRIS BODY EQUIPMENT:

Flat Rear Door With Hydraulic Locks And Open/Close
Debris Body Flush Out System
Dual Stainless Steel Ball Float Shut-Off
6" Butterfly Valve/Rear Door Located 3:00 position with Fixed Basket Screen
Submersible Trash Pump - Internal Mounted - Forward Wall in Body / Includes Internal Screen / 2.5 x 25' Drain Hose and Hose Holder
Centrifugal Separator Rear Mounted
Folding Pipe Rack/Curbside
Folding Pipe Rack/Street Side
Folding Pipe Rack/Rear Door (May not be available due to valves, lighting, etc.)
(2) Horizontal Pipe Storage Racks at Sub-Frame level with twist-lock releases - Curbside; (2) Rear Door
Splash Shield - Bolted to Body Flange Rear Door
Lube Manifold
Debris Body Vacuum Relief System, Located In Inlet Of Vacuum System
Debris Inlet Deflector Plate In Debris Body

WATER TANKS & EQUIPMENT:

Low Water Light And Alarm And Water Pump Flow Meter - GPM
Water Sight Gauge R/S, L/S
Continuous Fill System At Water Tank Inlet
2" Y-Strainer located at Water Fill with 25' Fill Hose
1500 Gallon Water Capacity - Additional on 15yd Units

Aluminum Water Tanks - 10 Gauge with maximum 150 gallon baffled compartments
Liquid Float Level Indicator

VACUUM SYSTEM EQUIPMENT:

Two Stage Fan W/ John Deere Plus Engine And Fluid Coupler
John Deere 6068-TF 6-Cylinder 185 Hp Diesel Engine
LEVEL II – VAC ON THE GO DRIVEN VIA THE AUXILIARY ENGINE

BOOM EQUIPMENT:

Electronic-Over-Hydraulic, 4-Way Power Boom
Remote Push Button Pendant Control with 35' Cord
8 Ft. Hydraulic Telescopic Boom With 180 Degree Rotation
Frame-Mounted Cab Guard with Boom Cradle
Joystick Control For Boom Function (1) – FRONT
T300 Omnex Remote Wireless BellyPack Control – Wired or Wireless Capability
This system will activate all boom functions; Up, Down, Left, Right, (In & Out if so equipped) Vacuum Relief On/Off, Rodder Pump On/Off, Throttle Up/Down, E-Stop, Hose Reel Pay In/Pay Out, Hose Reel Speed Control, Water Pressure Control
Rotatable Inlet Hose Assembly, Tele/Extendable

WATER SYSTEM EQUIPMENT:

Variable Pressure, Hydraulically Driven, Double Acting, Single Piston
80GPM/2500 PSI Water System – ILO STD Water System
Accumulator System For Jet Rodder Water System
3" Y-Strainer @ Water Pump with 3" Drain Valve
Performance Hydraulic Variable-Speed, Dual Hydraulic Pumps With Speed Control and Digital Flow Meter
Catch Basin Cleaning Water System: 0-25 Gpm at 600 Psi
Water Relief Valve - 1"
Fan Flush Out System
Side Mounted Rodder Pump

HOSE REEL EQUIPMENT:

600' x 1" Piranha Sewer Hose/2500 PSI (ILO STD)
Hose Level Wind Guide - Hinged Dual Roller
Hose Reel Pinch Roller (Included in 6004PA & 6004B)
Hose Footage Counter Near Front Controls - Mechanical
Electronic Digital Hose Footage Counter - Vansco Panel
Hose Reel Chain Cover (Full)
Handgun With 1/2" x 35' Hose, Mid-ship Connection
Rodder Pump Drain Valves (2)
Telescoping Rotating Hose Reel w/ Dual Controls -

FRONT STATION & CONTROLS:

Hourmeter for Water Pump Operation
Tachometer and Hour Meter - Auxiliary Engine
All Hydraulic Functions - Color Coded, Sealed Electric/Hydraulic Nema 4 switches
Vansco - Electronic Package with Diagnostic Control Panel
Emergency Stop Disengagement System on all Panels and Pendants
Auxiliary Engine/Vacuum Relief - Sealed Electric/Air Nema 4 Switches

ELECTRICAL SYSTEM & LIGHTS:

Color Coded, Sealed and Labeled Electrical System - "NEMA-4"
Vansco-Electronic Package with Diagnostics
Circuit Breakers
Split Arrow Traffic Controller - Two Piece 10 Lights - Rear Only
Hand Light With Bumper Plug
Strobe LED Amber Light - FED SIG - Front Cab Guard Mounted Only
Strobe LED Amber Light - FED SIG - Rear Mounted Only
LED Bumper Strobes Lights - FED SIG / Recessed in the Tail Plate of the Vector
LED Rear Chassis Lights; Clearance, Back-up, Stop, Tail & Turn
LED Worklights (2) on Telescopic Boom
LED Work Light at Operator Station (EACH)

CHASSIS EQUIPMENT & STORAGE:

Aluminum Fenders

Mud Flaps

(1) Vactor Manual - (1) Partial Manual and CD Version

Additional Vactor Full Printed Manual

Tow Hooks: Front and Rear

Electronic Backup Alarm

Camera System, Front, Rear, & Both Sides

Safety Cone Storage Rack/Plate for Drop In Cones

(1) 22W x 20H x 63D Aluminum Toolbox - Passenger Side

16 x 12 x 18 Front Bumper Toolboxes (2)

48X20X12 Toolbox; FAN ONLY; 4X2 or 6X4; 1000, 1300 or 1500 gallon capacities; mounted at fan inlet

PAINT:

Module - Dupont (Wet-On-Wet)

Rear Door Stripe - Reflective Tape (Chevron)

Vactor Plus Body Decal - White

Lexington White

OEM Standard White

SEWER TOOLS & ACCESSORIES:

(1) 30° Sand Nozzle 70/2500 (#60307)

(1) 30° Sanitary Nozzle 80/2500 (#58756)

(1) 15° Penetrator Nozzle 40/2500 (#60306)

(1) 8 In. Adjustable Air Adapter

Basic Pipe Package:

(1) 8 In. X 3' Aluminum Pipe

(2) 8 In. X 5' Aluminum Pipe

(1) 8 In. X 6'6 In. Catch Basin Tube

(4) 8 In. Quick Clamps

(1) Flexible Hose Guide

(1) Emergency Flare Kit

(1) 5# Fire Extinguisher

MODULE WARRANTIES:

Complete Module Warranty: 1 Year Parts and Labor

Water Pump Warranty: 1 Year Parts and Labor

Centrifugal Compressor/Housing Warranty: 5-Year Parts/Labor

Water Tanks: Ten (10)-Year Parts and Labor

Debris Tank: Five (5)-Year Parts and Labor

CHASSIS

Kenworth T440 6X4: ISL9-345 Hp, 3000RDS, 66000 GVW, 260 WB, 193 CA/CT, 71 AF

DRIVETRAIN & CHASSIS WARRANTIES / MANUALS:

Extended Chassis Warranty: 3-Year / 100,000 Mi.

Standard Engine Warranty: 2-Year / 100,000 Mi.

Extended Allison Transmission Warranty: 3 Year

Chassis Custom Parts Manual

Chassis Service Manual

Engine Service Manual

Freight to Indiana

Equipment Sell Price

Equipment Sell Price	\$	374,975.00
Total Equipment Sell Price	\$	374,975.00

This Proposal is valid for 30 days for date of quotation.

Thank you for your consideration of this proposal

Sincerely:

David Gower

David Gower
Jack Doheny Companies
Customer Account Manager
(502) 262-6001
DavidGower@dohenysupplies.com

This quotation becomes a contract for delivery and payment of the merchandise listed above only when signed by the customer or one of its officers.

Accepted by: _____
Representing: Lexing Fayette Urban County Government
Date: _____



Jack Doherty Supplies, Inc.

*"Worlds Largest Dealer of Sewer Cleaning
and Street Sweeping Equipment"*



KENTUCKY VACTOR USER LIST

Sanitation District 1, Ft. Wright, KY. — 7 – 2115's (Vactor fan)

Mr. Steve Hamburg ----859-578-6777 (Fleet Mgr)

Mr. Greg Braunwart ----859-578-6766 (Collection System / Maint Supervisor)

Louisville MSD, Louisville, KY. - 4-2115's, 4-2115Plus (Vactor fan)

Mr. Loyiso Melisiwze – 502-540-6805 (Preventive Maintance Mgr)

Mr. Tony Morrison -----502-540-6875 (Collection System Supervisor)

Mr. Carl Sandler -----502-540-6994 (Fleet Maint Mgr)

Lexington Sewer Dept., Lexington, KY. —2 Vactor 2115's, 1- 2110 (fans)

Mr. Charles Martin - 859-258-3461 (Director)

Mr. Chris Begley ----- 859-425-2438 (Collection System Mgr)

Mr. Rob Clay -----859-425-2435 (Collection System Supervisor)

Mr. Gary Grimes 859-425-2444 (Vactor Crew Mgr)

Mr. David Tooms - 859-258-3873 (Fleet Maintenance)

Regional Water Resource Agency, Owensboro, KY. — 3 Vactor 2110 (fan)

Mr. Jim Richeson - 270-687-8450 (Operations Director)

Mr. Del Willis 270-687-8450 (Field Operations Mgr)

Mr. Ronnie Galloway- 270-687-8450(Collection System Supervisor)

PADUCAH, KY. —units owned 2

Mr. John Hodges 270-575-0056 (Operations Director JSA)

Mr. Jeff Thompson 270-575-0056 (Collection System Mgr JSA) Vactor 2115 PD

Mr. Mitch Jameson 270-575-0056 (Collection System Supervisor JSA)

Mr. Perry Mason, McCracken Co Road Dept-270-442-9163 - Vactor 2110 fan

Richmond Utilities, Richmond, KY.— Vactor 2110(PD)Mr. Wade Johnson -
859-623-2323 (Project Engineer

Bowling Green Municipal Utilities, Bowling Green, KY. - Vactor
2110(fan)

Mr. Ron Wolf – 270-782-4373 (Crews Superintendent)

Mr. Danny Goad - 270-782-4351 (Fleet Maintenance)

Bowling Green Public Works, Bowling Green, KY. - Vactor 2110 (fan)

Mr. Bobby Phelps - 270-393-3201

Madisonville Sewer Dept., Madisonville, KY. — Vactor 2110 (fan)

Mr. Raymond Sanders- 270-821-3717

Shepherdsville Wastewater, Shepherdsville, KY. — Vactor 2103

Mr. Mike Schroeder – 502-543-7339

Elizabethtown Public Works, Elizabethtown, KY - Vactor 2110 (fan)

Mr. Richard Wheeling – 270-737-8367

Mr. Mike Reynolds – 502-737-8367

Hardin Co Water Dist #1

Mr. Brett Pyles – 270-352-4280 (Operations Mgr)

HCWD#1 -Radcliff Waste Water, Radcliff, KY. – Vactor 2110 (fan)

Mr. Brad Walker - 270-351-6466 – (Veolia /Radcliff Project Mgr

HCWD#1 - Ft. Knox Waste Water –Vactor 2115 PD

Mr. Jeff Greer --502-942-6020 (Veolia /Ft. Knox Project Mgr)

Frankfort Sewer Dept., Frankfort, KY. — Vactor 2115 & 2103

Mr. Daniel Fay - 502-875-2448

Florence Water & Sewer Commission – Vactor 2110 (fan)

Florence, KY.

Mr. Chris Knapmeyer - 859-282-4066

Mr. Greg Ferguson - 859-647-5416

Versailles Sewer Dept. - Versailles, KY. Vactor 2110 (fan)

Mr. Bruce Southworth - 859-873-2245

Georgetown Sewer Dept.,Georgetown, KY. –Vactor 2110 (fan)

Mr. Danny Dunn - 859-863-7861 (Collection System Mgr)

Mr. Calvin Rodgers 859-863-7861 (Collection System Supervisor)

Prestonsburg City Utilities, Prestonsburg, KY – Vactor 2112 PD

Mr. David Ellis – 606-886-6871 (Operations Director)

Mr. Patrick Burke 606-886- 6871 (Collection System Supervisor)

Corbin City Utilities Commission, Corbin, KY. – Vactor 850

Corbin, KY.

Mr. David Dodd - 606-524-3747

Mayfield Electric & Water Systems, Mayfield, KY. – Vactor 2110 (fan)

Mr. Kevin Leonard - 270-247-4661

Litchfield Waste Water, Litchfield, KY. - Vactor 2110 (fan)-

Ms. Robin Strader - 270-259-3311

Clarksville Wastewater, Clarksville, IN – Vactor 2110 (fan)

Mr. Mike Otto – 812-283-7714

Floyd County Storm Water, Georgetown, IN. – Vactor 2110 (fan)

Mr. Ron Quackenbush – 812- 923-3041

Jasper Street/Storm Water Dept., Jasper, IN – Vactor 2110 (fan)

Mr. Rayme Eckerly– 812-482-1130

Mr. Jeff theising - 812-482-1130

Tell City Serer Dept, Tell City, In. – Vactor 2110 (fan)

Mr. Bruce Badger – 812-

Evansville, IN. - units owned 4

Mr. Bob Connor (2, 2115's) Collection System-Sewer Dept.) - 812-421-2130

Mr. Dennis Hudnall (2115) (Street dept.)-----812-435-6000

PIPE EYE'S

Louisville, KY. - (CONTRACTOR)

Mr. Bobby Chestnut - 859-983-3873

The Ohio Casualty Insurance Company

Hamilton, Ohio

BID OR PROPOSAL BOND

KNOW ALL MEN BY THESE PRESENTS, That we,

Jack Doheny Supplies Inc.

(hereinafter called the Principal) as Principal, and THE OHIO CASUALTY INSURANCE COMPANY, a corporation organized under the laws of the State of Ohio, with its principal office in the City of Hamilton, Ohio (hereinafter called the Surety) and licensed to do business in the State of Kentucky, as Surety, are held firmly bound unto

Lexington-Fayette Urban County Government

(hereinafter called the Obligee) in the penal sum of Five Percent of Attached Bid.

Dollars (\$ 5 %)

lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas, the Principal has submitted the accompanying bid, dated November 23, 2011 for

One (1) Combination Sewer Cleaning Unit

NOW, THEREFORE, if the Obligee shall make any award according to the terms of said bid and the Principal shall enter into a contract with the said Obligee in accordance with the terms of said bid and give bond for the faithful performance thereof within the time specified; or if no time is specified within thirty days after the date of said award; or if the Principle shall, in the case of failure so to do, indemnify the Obligee against any loss the Obligee may suffer directly arising by reason of such failure, not exceeding the penalty of this bond, then this obligation shall be null and void; otherwise to remain in full force and virtue.

Signed, Sealed and Dated this22nd.....day ofNovember....., 2011

JACK DOHENY SUPPLIES, INC. (Principal)

By.....*Gary Mapes*.....

THE OHIO CASUALTY INSURANCE COMPANY

By.....*Gail E. Lepping*.....
Gail E. Lepping (Attorney-In-Fact)

THE OHIO CASUALTY INSURANCE COMPANY
WEST AMERICAN INSURANCE COMPANY

No. 35-406

Know All Men by These Presents: That THE OHIO CASUALTY INSURANCE COMPANY, an Ohio Corporation, and WEST AMERICAN INSURANCE COMPANY, an Indiana Corporation, pursuant to the authority granted by Article III, Section 9 of the Code of Regulations and By-Laws of The Ohio Casualty Insurance Company and West American Insurance Company, do hereby nominate, constitute and appoint: John T. Maloney, Stephen L. Carroll, Gail E. Lepping, John Dreifus, Richard F. Bergstrom, Wayne A. Gerigk, Mary G. Reynolds, Mary M. Williams, Sheryl Redding or Neal Shaw of Northville, Michigan its true and lawful agent (s) and attorney (s)-in-fact, to make, execute, seal and deliver for and on its behalf as surety, and as its act and deed any and all BONDS, UNDERTAKINGS, and RECOGNIZANCES, not exceeding in any single instance ONE MILLION (\$1,000,000.00) DOLLARS, excluding, however, any bond(s) or undertaking(s) guaranteeing the payment of notes and interest thereon

And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Companies at their administrative offices in Fairfield, Ohio, in their own proper persons.

The authority granted hereunder supersedes any previous authority heretofore granted the above named attorney(s)-in-fact.

In WITNESS WHEREOF, the undersigned officer of the said The Ohio Casualty Insurance Company and West American Insurance Company has hereunto subscribed his name and affixed the Corporate Seal of each Company this 11th day of January, 2001.



Sam Lawrence

Sam Lawrence, Assistant Secretary

STATE OF OHIO,
COUNTY OF BUTLER

On this 11th day of January, 2001 before the subscriber, a Notary Public of the State of Ohio, in and for the County of Butler, duly commissioned and qualified, came Sam Lawrence, Assistant Secretary of THE OHIO CASUALTY INSURANCE COMPANY and WEST AMERICAN INSURANCE COMPANY, to me personally known to be the individual and officer described in, and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn deposes and says that he is the officer of the Companies aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and the said Corporate Seals and his signature as officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal at the City of Hamilton, State of Ohio, the day and year first above written.



Cheryl S. Gregory

Notary Public in and for County of Butler, State of Ohio
My Commission expires August 6, 2002.

This power of attorney is granted under and by authority of Article III, Section 9 of the Code of Regulations and By-Laws of The Ohio Casualty Insurance Company and West American Insurance Company, extracts from which read:

Article III, Section 9. Appointment of Attorneys-in-Fact. The Chairman of the Board, the President, any Vice-President, the Secretary or any Assistant Secretary of the corporation shall be and is hereby vested with full power and authority to appoint attorneys-in-fact for the purpose of signing the name of the corporation as surety to, and to execute, attach the seal of the corporation to, acknowledge and deliver any and all bonds, recognizances, stipulations, undertakings or other instruments of suretyship and policies of insurance to be given in favor of any individual, firm, corporation, partnership, limited liability company or other entity, or the official representative thereof, or to any county or state, or any official board or boards of any county or state, or the United States of America or any agency thereof, or to any other political subdivision thereof

This instrument is signed and sealed as authorized by the following resolution adopted by the Boards of Directors of the Companies on October 21, 2004:

RESOLVED, That the signature of any officer of the Company authorized under Article III, Section 9 of its Code of Regulations and By-laws and the Company seal may be affixed by facsimile to any power of attorney or copy thereof issued on behalf of the Company to make, execute, seal and deliver for and on its behalf as surety any and all bonds, undertakings or other written obligations in the nature thereof; to prescribe their respective duties and the respective limits of their authority; and to revoke any such appointment. Such signatures and seal are hereby adopted by the Company as original signatures and seal and shall, with respect to any bond, undertaking or other written obligations in the nature thereof to which it is attached, be valid and binding upon the Company with the same force and effect as though manually affixed.

CERTIFICATE

I, the undersigned Assistant Secretary of The Ohio Casualty Insurance Company and West American Insurance Company, do hereby certify that the foregoing power of attorney, the referenced By-Laws of the Companies and the above resolution of their Boards of Directors are true and correct copies and are in full force and effect on this date.

IN WITNESS WHEREOF, I have hereunto set my hand and the seals of the Companies this 22nd day of November 2011



Mark E. Schmidt

Assistant Secretary



*"World's Largest Distributor of Sewer Cleaning,
Air Handling and Street Sweeping Equipment"*

**LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
ITB# 121-2011 – COMBINATION SEWER CLEANING UNIT**

GUARANTEED TRADE VALUE POLICY

Jack Doheny Supplies, Inc. has engaged in Guarantee Trade Values for the past 15 years. The percentages of Trade-In are a minimum. Overall machine condition may produce a higher Trade-In Percentage. There is no limit to hours or mileage. Machine must be in Standard Operating Condition at time of Trade.

Trade-In value based upon original purchase price:

YEARS

5

PERCENTAGE

45%

\$168,730.65



*"World's Largest Distributor of Sewer Cleaning,
Air Handling and Street Sweeping Equipment"*

**LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
ITB# 121-2011 – COMBINATION SEWER CLEANING UNIT**

EXCEPTION PAGE

13.0 VACUUM SYSTEM AND DRIVE:

13.14	N/A on fan unit
13/15	N/A on fan unit



*"World's Largest Distributor of Sewer Cleaning,
Air Handling and Street Sweeping Equipment"*

**LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
ITB# 121-2011 – COMBINATION SEWER CLEANING UNIT**

WARRANTY INFORMATION

Chassis Warranty: Chassis warranty shall be for a period of (3) three years or 100,000 miles to include parts and labor. Warranty service shall be performed at the Fleet Services facility or may occur at the dealer's location. If at dealer's location, unit will be picked up within 24 hours of notification and will returned vehicle upon completion of repair within 72 hours. All transportation expenses shall be included in the warranty coverage.

Basic Module and Water Pump Warranty: Please see attached Vactor Manufacturing Warranty Information. Warranty service shall be performed at the Fleet Services facility or may occur at the dealer's location. If at dealer's location, unit will be picked up within 24 hours of notification and will returned vehicle upon completion of repair within 72 hours. All transportation expenses shall be included in the warranty coverage. Dealer will provide any forms the manufacturer may require for warranty return parts. Dealer agrees to accept LFUCG repair orders as evidence of work performed.

Centrifugal Compressor/Housing Warranty: Please see attached Vactor Manufacturing Warranty information. Warranty service shall be performed at the Fleet Services facility or may occur at the dealer's location. If at dealer's location, unit will be picked up within 24 hours of notification and will returned vehicle upon completion of repair within 72 hours. All transportation expenses shall be included in the warranty coverage. An in0house warranty agreement shall include reimbursement or credit for parts at 100% of their cost and labor at an hourly rate of seventy five dollars (\$75.00). If the vehicle manufacturer publishes a time table for standard repair operations, one will be furnished and will be used to determine billable labor. Dealer will provide any forms the manufacturer may require for warranty return parts. Dealer agrees to accept LFUCG repair orders as evidence of work performed.

Water Tank Warranty: Please see attached Vactor Manufacturing Warranty information. Warranty service shall be performed at the Fleet Services facility or may occur at the dealer's location. If at dealer's location, unit will be picked up within 24 hours of notification and will returned vehicle upon completion of repair within 72 hours. All transportation expenses shall be included in the warranty coverage. An in0house warranty agreement shall include reimbursement or credit for parts at 100% of their cost and labor at an hourly rate of seventy five dollars (\$75.00). If the vehicle manufacturer publishes a time table for standard repair operations, one will be furnished and will be used to determine billable labor. Dealer will provide any forms the manufacturer may require for warranty return parts. Dealer agrees to accept LFUCG repair orders as evidence of work performed.

Debris Tank Warranty: Please see attached Vactor Manufacturing Warranty information. Warranty service shall be performed at the Fleet Services facility or may occur at the dealer's location. If at dealer's location, unit will be picked up within 24 hours of notification and will returned vehicle upon completion of repair within 72 hours. All transportation expenses shall be included in the warranty coverage. An in0house warranty agreement shall include reimbursement or credit for parts at 100% of their cost and labor at an hourly rate of seventy five dollars (\$75.00). If the vehicle manufacturer publishes a time table for standard repair operations, one will be furnished and will be used to determine billable labor. Dealer will provide any forms the manufacturer may require for warranty return parts. Dealer agrees to accept LFUCG repair orders as evidence of work performed.

VACTOR WARRANTY

Vactor Mfg., Inc. (the "Seller") warrants to the Distributor and to the first Purchaser of Equipment for use, new Equipment to be free from defect in material and workmanship for 1 Year or 2000 operating hours, whichever occurs first, following date of delivery to the Purchaser.

Repair or replacement by Seller shall not extend the warranty period. This warranty may not be assigned by Purchaser.

Any parts of Seller's manufacture that are returned via prepaid transportation and are found to be defective will be repaired or replaced, at Seller's option, and returned transportation charges prepaid. It is expressly understood that Seller's liability is limited to furnishing such parts within a reasonable length of time. Seller will not be liable for any damages, losses or expenses arising in connection with the use of or inability to use Equipment.

This warranty covers only malfunctions resulting from defect in material or workmanship of Equipment, and parts and components thereof manufactured by Seller. Major components of Equipment not of Seller's manufacture including, but not limited to, power plants, hydraulics, trucks and transmissions, used by Seller as part of the Equipment, are not warranted by Seller (Seller hereby assigns to Purchaser any warranty extended by the manufacturer thereof).

It is the Purchaser's responsibility to use the Equipment for the purpose and in the manner described in the Operation Manual, and to assume any liability for damage or injury resulting from misuse and abuse, including the removal or alteration of safety guards and devices installed on the Equipment at time of delivery to Purchaser.

In addition to our standard warranty, Vactor Mfg., Inc. warrants the water tank on 2100 series Vactors for an additional 9 years against corrosion or rust through, making a total of 10 years warranty on water tanks.

The Debris Tank is warranted for an additional 4 years against corrosion or rust through for a total of 5 years warranty.

The Centrifugal Compressor and Housing is warranted for an additional 4 years for a total of 5 years warranty against rust through and compressor malfunction.

Used Equipment is sold "AS IS". Seller makes NO WARRANTY concerning its merchantability, condition, durability, age or model year, or fitness for any purpose whatsoever.

IT IS AGREED THAT THIS WARRANTY SETS FORTH PURCHASER'S EXCLUSIVE RIGHT AND REMEDY AGAINST SELLER WITH RESPECT TO THE EQUIPMENT. IT IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND ALL IMPLIED WARRANTIES INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. SELLER ASSUMES NO OTHER LIKE OR UNLIKE LIABILITY FOR LOSS OF USE, PROFIT, OR CONSEQUENTIAL DAMAGES OF ANY KIND OR NATURE, FROM WHATSOEVER CAUSE OR THING ARISING, INCLUDING, BUT NOT LIMITED TO, CLAIMS OF LIABILITY BASED UPON TORT, NEGLIGENCE, STRICT LIABILITY, OR BREACH OF WARRANTY IN CONNECTION WITH THE MANUFACTURE, SALE, ALTERATION, USE, REPAIR OR REPLACEMENT OF EQUIPMENT, OR ANY PART THEREOF.

VACTOR®
Manufacturing, Inc.

Subsidiary of
Federal Signal
Corporation

EFFECTIVE 1-84

The Vactor® 2100 Series™

The newest, most innovatively designed Vactor® with the best backed warranty in the industry.

10 YEAR WARRANTY

on the water tank

5 YEAR WARRANTY

on the debris tank

5 YEAR WARRANTY

on the centrifugal compressor and housing

1 full year standard Vactor warranty

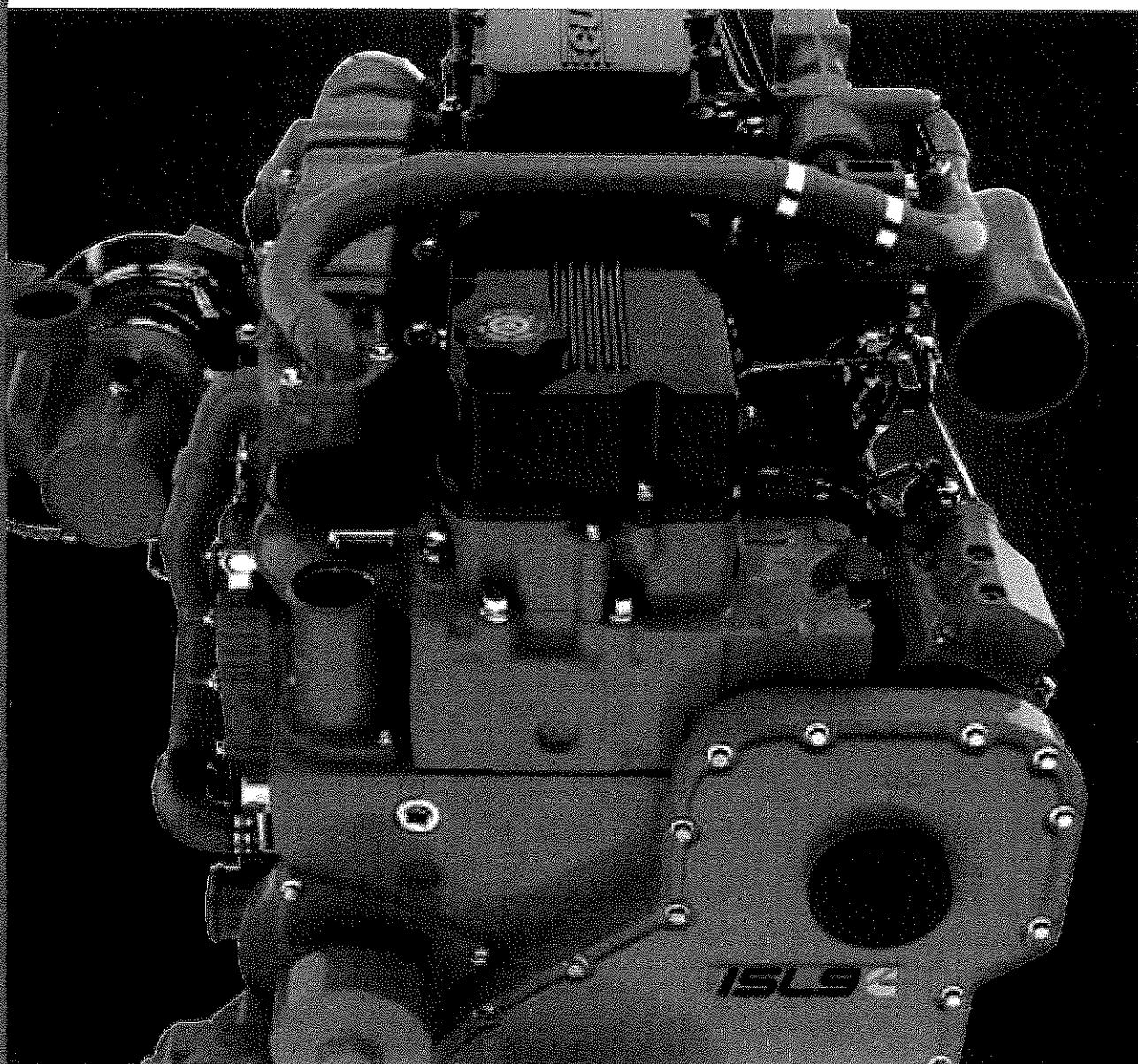
VACTOR®

Subsidiary of Federal Signal Corporation



Proven Reliability. Every™ Time.

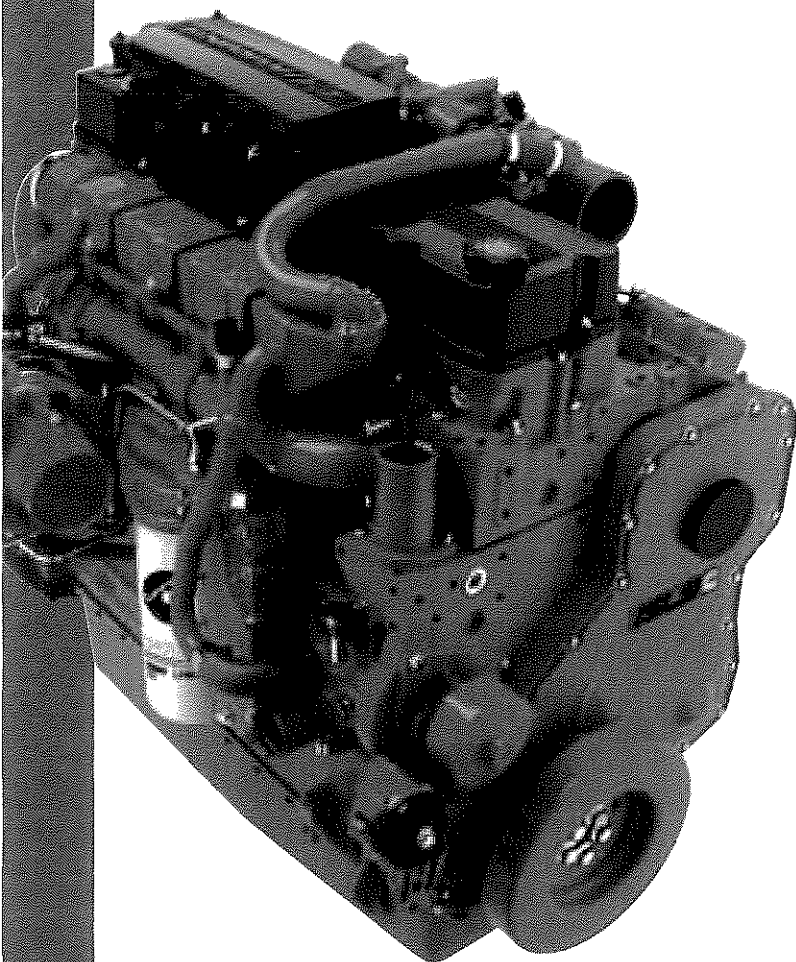
Cummins ISL9 For EPA 2010.
For Truck Applications.



Proven Reliability. Every™ Time.

More of a good thing. That's what you get with the Cummins ISL9 EPA 2010 engine. Very few changes have been made to the base engine in order to meet emissions standards. So you can expect the same high level of performance and reliability that ISL owners currently get from every piece of equipment, handling every workload.

The ISL9 has the highest power density in its class, with heavy-duty features like replaceable wet liners. It features the XPI fuel system – the same technology that's used on the ISX15. This, combined with an improved Electronic Control Module (ECM) and enhanced airflow, allows the ISL9 to run stronger and with greater responsiveness than ever before.

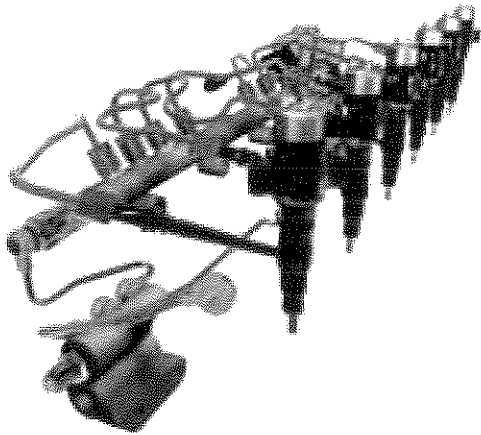


The Cummins Aftertreatment System combines the Cummins Particulate Filter with proven Selective Catalytic Reduction (SCR) technology, using a proprietary copper zeolite catalyst, and has been fully integrated with the engine to deliver near-zero emissions. Adding SCR does more than clean up the exhaust. It enables us to lower cooled-EGR levels and recalibrate the ISL9 for stronger performance and better fuel efficiency. The Diesel Exhaust Fluid (DEF) tank should need to be refilled only every second or third diesel fill-up.

The combination of SCR, XPI fuel injection and the total integration of all elements controlled under a single system results in up to 3% better fuel economy versus an EPA 2007 ISL. And when you lower the amount of fuel being burned, you're also lowering greenhouse gas emissions.

Maintenance intervals and costs remain virtually unchanged for the ISL9. The only additional item is the replacement of the DEF filter every 200,000 miles (320,000 km).

Bottom line: The ISL9 delivers a total value package that's measurably better. Every load. Every hour. Every mile.



Every System. Integrated.

Cummins is the only engine manufacturer to design and develop, manufacture and support every component from the air intake to the exhaust aftertreatment in a totally integrated system. This allows us to optimize critical systems to deliver the right technology to our customers in a way that other engine manufacturers using outside suppliers simply can't match.

The ISL9 features our exclusive XPI fuel system. Of all North American manufacturers, only Cummins has the in-house capabilities to design and manufacture this critical element. The XPI fuel system has fewer moving parts than competitive units do, for greater reliability. It is capable of the highest injection pressures in the industry, consistent at every rpm for stronger performance with multiple injection events for cleaner, quieter and more complete combustion. A single-piece armature, increased current capacity and fueling accuracy bolster the performance of a more robust fuel injector.

The fully integrated system also includes a VGT™ Turbocharger custom-built by Cummins Turbo Technologies. The simplicity and precision of this design set the standard for the transportation industry. A new bearing housing, actuator adjustments, an undercut push rod and a revised fey ring combine with an improved mounting system to deliver better reliability and durability than ever before.

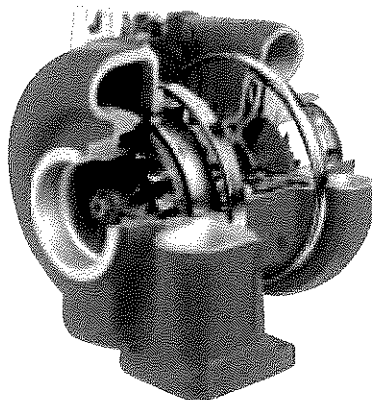
Every Need. Covered.

The Cummins service network (the largest in North America, with over 3,500 locations) works hard to ensure that every engine performs as promised.

Personnel at our authorized service centers are trained on these engines and have the necessary equipment and Genuine Cummins Parts to promptly handle any type of service issue.

Finding your local authorized Cummins service facility is as easy as dialing the 1-800-DIESELS™ (1-800-343-7357) Customer Assistance Center or using the service locator tool at cumminsengines.com.

Finding DEF is easy as well, as it is being carried at thousands of Cummins Filtration distributor and dealer outlets throughout North America as well as at major truck stop locations.



ISL9 Specifications

Advertised Horsepower	345-380 HP	257-283 kW
Peak Torque	1150-1300 LB-FT	1559-1763 N•M
Governed Speed	2100 RPM	
Clutch Engagement Torque	575 LB-FT	780 N•M
Number of Cylinders	6	
Oil System Capacity	7.3 U.S. GALLONS	27.6 LITERS
System Weight	1,897 LB	860 KG
Engine (Dry)	1,697 LB	770 KG
Aftertreatment System*	200 LB	90 KG

*Increase over standard muffler and does not include chassis OEM-supplied components.

ISL9 Maintenance Intervals

Maintenance Item	Miles/Kilometers	Hours	Months
Oil and Filter*	20,000 MI 32,000 KM	500	6
Primary Fuel Filter**	20,000 MI 32,000 KM	500	6
Secondary Fuel Filter	20,000 MI 32,000 KM	500	6
Coolant Filter	None***	None***	None***
Overhead Adjustment	150,000 MI 241,500 KM	5,000	48
Standard Coolant Change****	80,000 MI 128,000 KM	2,000	24
Coalescing Filter	Every 3rd to 4th Oil Change Interval		
DEF Filter	200,000 MI 320,000 KM		
Particulate Filter Cleaning	200,000-400,000 MI 320,000-640,000 KM		

*Assuming normal duty cycle.

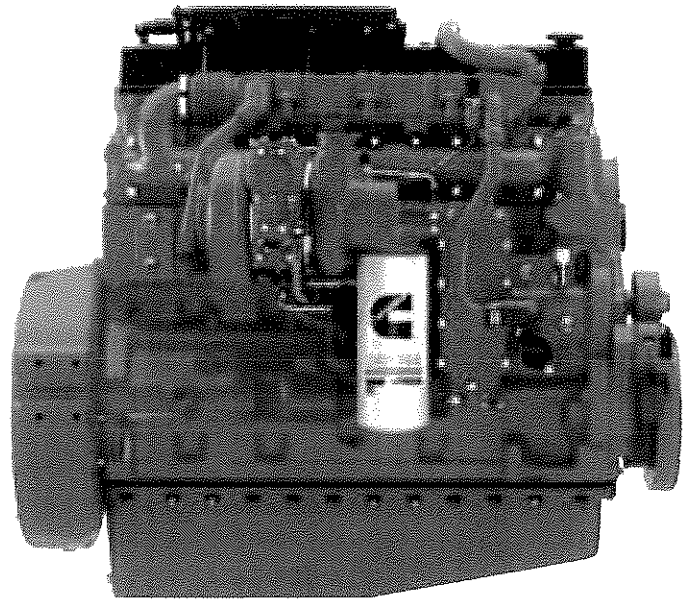
**OEM-supplied; intervals may vary.

***If engine is equipped with an optional coolant filter, it will need to be replaced at the same intervals as the oil filter. Regardless if the engine is or is not equipped with a coolant filter, SCA/DCA additive levels must be checked according to the interval listed in the Owners Manual.

****Extended coolant drain/flush/fill intervals may be followed when certain requirements are met. For more information on these requirements, refer to the Cummins Coolant Requirements and Maintenance Service, Bulletin 3666132.

ISL9 Ratings

Engine Model	Advertised Horsepower (kW)	Peak Torque lb-ft (N•m) @ rpm
ISL9 380	380 (283)	1300 (1763) @ 1400
ISL9 370	370 (276)	1250 (1695) @ 1400
ISL9 345	345 (257)	1150 (1559) @ 1400



Gearing Recommendations.

Vehicle gearing is a major factor in optimizing performance and fuel economy. Cummins PowerSpec is a software program that helps you quickly identify the axle ratio your truck needs. Log on to powerspec.cummins.com for gearing recommendations.



Warranty Coverage.

Cummins base engine warranty coverage* is now simpler and more comprehensive than ever. It includes virtually everything – parts, labor, consumables and progressive damage on everything from the block casting to the injectors for 2 years/250,000 miles (402,336 km). All Cummins branded elements in the Cummins Aftertreatment System, from the Cummins Particulate Filter to the hydrocarbon doser injector, decomposition reactor and SCR catalyst, are covered – with no deductible. It's ironclad proof that you can take to the bank.

*Covers defects in Cummins materials or factory workmanship.

Extended Coverage.

You can plan your maintenance and repair budgets with confidence when you have an extended coverage plan on your ISL9 engine. A wide variety of protection plans are offered, so you can choose the one that best meets your equipment trade cycle and financial goals. Contact your local Cummins distributor or dealer for additional details.

Better ROI. Every Trade.

While no one can predict the future, the improved reliability and durability of the ISL9, together with its higher power output and better fuel economy versus competitive engines, should result in a higher residual value at trade-in versus equipment powered by competitive engines.

A Better Choice.

Cummins ISL9 for EPA 2010 is a better solution to meet all your needs – from near-zero emissions and the lowest cost of operation in its class to driver-pleasing performance and proven reliability. For more information about the ISL9, visit your local Cummins distributor or dealer, phone the 1-800-DIESELS™ (1-800-343-7357) Customer Assistance Center or visit cumminsengines.com.





Cummins Inc.
Box 3005
Columbus, IN 47202-3005
U.S.A.

Phone: 1-800-DIESELS (1-800-343-7357)
Fax: 1-800-232-6393
Internet: cumminsengines.com

Bulletin 4971255 Printed in U.S.A. Rev. 2/11
©2011 Cummins Inc.

ACORD CERTIFICATE OF LIABILITY INSURANCEOP ID GL
JACKD-5

DATE (MM/DD/YYYY)

01/26/09

PRODUCER

Insurance Exchange Agency, Inc
670 Griswold, P.O. Box 250
Northville MI 48167
Phone: 248-349-1122 Fax: 248-349-2548

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION
ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE
HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR
ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED

Jack Doheny Supplies Inc.
Jack Doheny Rentals, Inc.
P.O. Box 609
Northville MI 48167

INSURERS AFFORDING COVERAGE

NAIC #

INSURER A: Citizens Insurance Co. of Amer

31534

INSURER B: Travelers Property & Casualty

INSURER C:

INSURER D:

INSURER E:

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
B	GENERAL LIABILITY	630-4089M141	07/01/09	07/01/10	EACH OCCURRENCE
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				DAMAGE TO RENTED PREMISES (Ea occurrence)
	<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR				\$ 1000000
					\$ 100000
					MED EXP (Any one person)
					\$ excluded
B	AUTOMOBILE LIABILITY	GA-4096M691	07/01/09	07/01/10	PERSONAL & ADV INJURY
	<input type="checkbox"/> ANY AUTO				\$ 1000000
	<input checked="" type="checkbox"/> ALL OWNED AUTOS				GENERAL AGGREGATE
	<input type="checkbox"/> SCHEDULED AUTOS				\$ 2000000
	<input type="checkbox"/> HIRED AUTOS				PRODUCTS - COMP/OP AGG
	<input type="checkbox"/> NON-OWNED AUTOS				\$ 2000000
B	GARAGE LIABILITY	GA-4096M691	07/01/09	07/01/10	COMBINED SINGLE LIMIT (Ea accident)
	<input checked="" type="checkbox"/> ANY AUTO				\$ 1000000.
					BODILY INJURY (Per person)
					\$
					BODILY INJURY (Per accident)
					\$
B	EXCESS/UMBRELLA LIABILITY	CUP4089M141	07/01/09	07/01/10	PROPERTY DAMAGE (Per accident)
	<input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE				\$
	<input type="checkbox"/> DEDUCTIBLE				
	<input type="checkbox"/> RETENTION \$				
					AUTO ONLY - EA ACCIDENT
					\$ 1000000.
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	W7B7930512	01/01/10	01/01/10	OTHER THAN AUTO ONLY: EA ACC
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?				\$ 1000000.
	If yes, describe under SPECIAL PROVISIONS below				AGG
					\$ 3000000.
					EACH OCCURRENCE
					\$ 20000000.
A	OTHER				AGGREGATE
					\$
					\$
					\$
					\$
					\$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	W7B7930512	01/01/10	01/01/10	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?				E.L. EACH ACCIDENT
	If yes, describe under SPECIAL PROVISIONS below				\$ 500000
					E.L. DISEASE - EA EMPLOYEE
					\$ 500000
					E.L. DISEASE - POLICY LIMIT

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

EXAMPLE ONLY

CERTIFICATE HOLDER

CITYRE2

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

John T. Malone

- BOOM LENGTHS AS MEASURED WITH STERLING LT7501
- CAB-TO-TANDEM 174"
 - BOOM LENGTH RETRACTED 220"
 - BOOM LENGTH EXTENDED 316"

VACTOR

TELESCOPING / ROTATING HOSE REEL

BOOM COVERAGE

8 FT. TELESCOPING / EXTENDABLE BOOM

