

**INVITATION FOR BID NOTICE ISSUED:**    [11-24-2009](#)

**JEFFERSON COUNTY, MISSOURI**  
Department of Administrative Services  
729 Maple Street  
PO Box 100  
Hillsboro, MO 63050  
www.jeffcomo.org  
636-797-5382

**SPECIFICATION CONTACT**  
**WILLIAM KOEHRER**  
Department of Public Works  
Jefferson County, Missouri  
**636-797-5369**

**INVITATION FOR BID**

**CATCH BASIN CLEANER**

**BIDS SHALL BE ACCEPTED UNTIL:**

**TUESDAY, JANUARY 5, 2010, at 2:00 p.m. local time.**

Thereafter, bids shall be opened in the Assembly Room of the Jefferson County Administration Center.

**THREE (3) COMPLETE COPIES OF SEALED BIDS MUST BE DELIVERED TO:**

**Department of the County Clerk  
Wes Wagner (636) 797-5478  
Jefferson County, Missouri  
729 Maple Street  
Hillsboro, MO 63050**

**The outside of the envelope must contain the vendor's name, address and the following language:**

**SEALED BID FOR: CATCH BASIN CLEANER**

**SUBMITTED BIDS ARE SUBJECT TO THE TERMS AND CONDITIONS OF THIS INVITATION FOR BID AND SPECIFICATIONS.**

**The Agreement/Contract term is from:  
01-05-2010 through 01-04-2011.**

The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful bidder. Price increases for renewals are not authorized unless approved in writing by the County.

_____ <b>Company Name</b>	_____ <b>Authorized Agent (Print)</b>	
_____ <b>Address</b>	_____ <b>Signature</b>	
_____ <b>City/State/Zip Code</b>	_____ <b>Title</b>	
_____ <b>Telephone #</b>	_____ <b>Date</b>	_____ <b>Tax ID #</b>
_____ <b>E-mail</b>	_____ <b>Fax #</b>	

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## **1.0 BID REQUIREMENTS**

Bidder shall initial all pages and return where the Bid Document denotes “**BIDDER’S INITIALS: \_\_\_\_\_**”

### **1.1 BID SUBMISSION:**

Submit bid form in triplicate (three copies) with specification pages, if applicable. No facsimile bids shall be accepted and shall be rejected. The Vendor prior to the submission dead line as stated on page 1 must submit all bids. Late bids will not be accepted and returned to the vendor unopened. The County reserves the right to request additional written or oral information from Respondents in order to obtain clarification. A fully executed Affidavit is required by Section 285.530 RSMo and shall be submitted with the bid form. A copy of the Affidavit is attached hereto. Failure to execute the Affidavit shall result in the bid being rejected.

### **1.2 BASIS OF BID AWARD:**

Award may be made on an item-by-item basis to the lowest and best bidder(s) or award may be made to the lowest and best bid total, whichever provides the greatest value to the County from the standpoint of suitability to purpose, quality, service, previous experience, price, ability to deliver, or any other reason deemed to be in the best interest of the County. Quantities stated herein represent an estimate for the period stated. Orders shall be placed for actual requirements as needed. The County may reject any or all bids for any reason and may waive any informality. Bids submitted from a Missouri State Contract shall include a copy of the State Contract with the bid. Bid award does not constitute an order or obligation to order by the County. The issuance of a Purchase Order Number shall be construed as acceptance of a Contract with all terms, conditions, and prices firm during the length of the agreement terms.

### **1.3 BID AWARD:**

It is further agreed that the Contract shall not be valid and binding upon the County until approved by the County Counselor, as to legal form and is subject to the Ordinances, Resolutions and Orders of Jefferson County, Missouri, and State and Federal Law. If no Bid or Bids have been awarded by the County Council within thirty (30) days following the opening of the bids then all bids will be deemed Rejected.

### **1.4 BID PREPARATION:**

1. Bidders are responsible for examination of drawings, specifications, schedules and instructions. Failure to do so will be at the bidder’s risk..
2. Each bidder shall furnish the information required by the invitation. The bidder shall sign all required documents. All deletions and erasures shall be initialed
3. Alternate bids for supplies or services other than specified shall not be considered unless authorized by invitation.
4. Bidder shall state a definite time for delivery of goods or for performance of services unless otherwise specified in the invitation for bid.
5. When specified, samples must be timely submitted and at no expense to the County.
6. Failure to adhere to all requirements may result in the response being disqualified as non-responsive.

### **1.5 MODIFICATION OR WITHDRAWAL OF BIDS:**

Bids may be modified or withdrawn prior to the exact hour and date specified for receipt of bids, provided the modification or withdrawal is in writing and is delivered in the same manner as a bid submission.

### **1.6 LATE BIDS:**

It is the responsibility of the bidder to deliver his bid or bid modification on or before the date and time of the bid closing to the Department of the County Clerk. Bids received late will be rejected and returned unopened to the bidder.

### **1.7 BID DEPOSITS:**

Bid Deposits are not required unless specified in the specifications.

### **1.8 MATERIAL AVAILABILITY:**

Bidders must accept responsibility for verification of material availability, product schedules and other pertinent data prior to submission of bid and delivery time. It is the responsibility of the bidder to notify the County immediately if the materials specified are discontinued, replaced, or not available for an extended period of time. All materials ordered by the County, shall be as needed. A sample of materials may be requested.

### **1.9 ALTERNATE BIDS:**

Alternate Bids for items will be accepted except when stated “**NO SUBSTITUTIONS**”. Bidders must submit complete specifications on all alternate bids with the bid form. Alternate bids without complete specifications may be rejected.

Alternate bids and exceptions to bid clauses must be clearly noted on the bid form. The County may accept or reject alternate bids; whatever is most advantageous to the County.

**1.10 INCORPORATION OF DOCUMENTS:**

The terms of the Bid Invitation, Bid Specifications, Bid Form are incorporated into the contract as if fully setout therein.

**1.11 ADDENDA:**

Addenda to bid specifications are incorporated by reference as if fully setout herein. It is the responsibility of the vendor to insure and verify that they are in receipt of and completed all attached addenda's prior to submission of bid forms. Verification is made by contacting the Office of Contracts and Grants at (636) 797-5382, or by reviewing the County Web Site. ([www.jeffcomo.org](http://www.jeffcomo.org)).

**1.12 INSURANCE:**

The Vendor/Contractor shall purchase and maintain in force, with an insurance company licensed to do business in the State of Missouri, at it's own expense, such insurance as will protect the Vendor/Contractor from claims which may arise out of or result from the Vendor/Contractor's execution of the work, whether such execution be by himself, his employees, agents, or by anyone for whose acts any of them may be liable. If any such work covered by the Contract is to be performed on County owned or leased premises, the Vendor agrees to carry liability and workman's compensation insurance, satisfactory to the County, and to indemnify the County against all liability, loss, and damage arising out of any injuries to persons and property caused by the Vendor, his sub-contractors, employees or agents. The insurance coverage shall be such as to fully protect the County and the general public from any and all claims for injury and damage resulting by any actions on the part of the Vendor/Contractor or its' forces as enumerated above. All policies must name the County as an additional insured and provide for thirty (30) days written prior to any material changes or cancellation.

**THE COUNTY REQUIRES ORIGINAL CERTIFICATES OF INSURANCE BEFORE THE CONTRACT IS AWARDED.**

A.      Required      Not Required     **Comprehensive General Liability Insurance**

The Vendor/Contractor shall maintain and keep in force of this Contract such comprehensive general liability insurance as shall protect them from claims which may arise from operations under this Contract, whether such operations be by themselves or by anyone directly or indirectly employed by them. The amounts of insurance shall be not less than \$1,000,000.00 combined single limit for any one occurrence covering both bodily injury and property damage, including accidental death.

B.      Required      Not Required     **Professional Liability Insurance**

The Vendor/Contractor shall provide the County with proof of Professional Liability Insurance, which shall protect the County against any and all claims, which might arise as a result of the operation of the Vendor/Contractor in fulfilling the terms of this Contract during the life of the Contract. The minimum amounts of such insurance will be \$1,000,000.00. Should any work be subcontracted, these limits will also apply.

C.      Required      Not Required     **Worker's Compensation Insurance:**  
per Missouri Revised Statutes Chapter 287

The Vendor/Contractor shall maintain and keep in force of this Contract such worker's compensation insurance limits as required by the statues of the State of Missouri and Employer's Liability with limits no less than \$500,000.00.

**1.13 BID SUBMISSIONS**

Bids submitted on separate forms are NOT acceptable unless specified in the Bid Document. Failure to complete bid forms to the satisfaction of the County may result in rejection of your bid. It is the responsibility of each bidder before submitting a bid to examine ALL documents thoroughly, and request written or oral interpretation of clarifications soon after discovering any conflicts, ambiguities, errors, or omissions in the bidding documents. Request for clarification must be received prior to bid openings.

**1.14 BID OPENINGS**

Bids will be publicly opened and read aloud at the time indicated on page 1. The bidders and the public are invited but not required to attend the formal opening of the bids. No decisions relating to the award of a contract or agreement will be made at the opening.

## 1.15 BID TABULATIONS

Bid Tabulations are not available for 5 to 7 business days following the Bid Opening. Bid submissions are open for public review at the time of the Bid Opening. Bid tabulations are posted on the County's web-site address, [www.jeffcomo.org](http://www.jeffcomo.org). **NO COPIES** of bid tabulations are sent to vendors.

## 2.0 BID RESPONSE AND CONTRACT

### 2.1 BIDDER REPRESENTATIONS:

The Bidder, by executing the Bid form certifies that:

- A. The bid complies with Invitation for Bid form and Bid Specifications.
- B. Bidder is not debarred or suspended from participation in Federal Assistance programs.

### 2.2 CERTIFICATION OF INDEPENDENT PRICE DETERMINATION:

- A. The prices in the bid shall be independently determined, without consultation, communication, or agreement for the purpose of restricting competition as to any matter relating to price with any bidder or other person.
- B. Unless otherwise required by law, the prices shall not have been knowingly disclosed by the bidder prior to opening.
- C. No attempt has been made or will be made by the bidder to induce any other person or firm to submit or not to submit a bid.

### 2.3 PRICE:

The price(s) specified in this bid shall be firm and not subject to contingency or reservation. If the Vendor fails to honor stated prices as submitted in the Bid Form or Contract, the County reserves the right to obtain the same items from the next lower vendor who submitted a bid price for the item. The original vendor shall be responsible for the difference in price and required to make restitution to the County for the difference in price. The bidder represents prices specified in the bid do not exceed current selling price for the same or substantially similar good or service, and are the same as or lower than other prices charged to the bidder's most favored customer. In the event the stated prices are determined to be higher than the prices for which Supplier has sold the items, or services, to others, this contract price shall be reduced accordingly. **Bid prices are ALL INCLUSIVE: (Shipping, Handling, Delivery, and Assembly to locations specified by the County). Prices shall be firm for ALL County departments and locations for term of the agreement.**

### 2.4 MISSOURI DOMESTIC PRODUCT PROCUREMENT ACT:

Bidder represents that the goods provided comply with Sections 34.350 to 34.359, RSMo, known as the Domestic Product Procurement Act. The Act encourages the purchase of products manufactured or produced in the United States, State of Missouri, and Jefferson County, Missouri. Bidder shall include proof of compliance with the Act with the bid when requested.

### 2.5 NON-EXCLUSIVE AGREEMENT:

The contractor shall understand and agree that the contract shall not be construed as an exclusive agreement and further agrees that the County may secure identical and/or similar services or products from other sources at anytime in conjunction with or in replacement of the contractor's services.

### 2.6 DEFINITIONS:

- A. The term "County" means the Jefferson County, Missouri and its designated representatives.
- B. The term "Vendor" means Supplier, Contractor, and Seller and includes designated representatives.
- C. The term "IFB" means Invitation for Bid.
- D. The term "Agreement/Contract" means Binding Agreement, Contract, Request for Purchase, Order.

### 2.7 INSPECTION, ACCEPTANCE AND APPROVALS:

Goods shall at all times and places, including the period of manufacture, are subject to inspection and test by County. County will accept or give notice of rejection of goods delivered within a reasonable time after receipt. Acceptance shall not waive any warranty. All goods supplied are subject to final inspection and acceptance by County notwithstanding payment, prior inspections or approvals. County may require prompt replacement or correction of rejected goods at Supplier's expense, including a reduction in price for rejected goods. Supplier shall not resubmit rejected goods to County without prior written approval and instructions from County. In addition, Supplier shall identify resubmitted goods as previously rejected. Supplier shall provide and maintain a quality assurance and control system acceptable to County.

**2.8 WARRANTY:**

Unless otherwise agreed to in writing by the parties, Supplier warrants that items ordered to specifications will conform thereto and to any drawings, samples or other descriptions furnished or adopted by County, or, if not ordered to specifications will be fit and sufficient for the purpose intended, and that all items will be new, merchantable, of good material and workmanship, and free from defect. Such warranties, together with Supplier's service warranties and guarantees, if any, shall survive inspection, test, acceptance of, and payment for the items and shall run to County and its assigns. Except for latent defects, the County shall give notice of any nonconformity to the Supplier within one (1) year after acceptance. County may return for credit or require prompt correction or replacement of the defective or non-conforming goods or have the defective good corrected or replaced at Supplier's expense. Return to Supplier of any defective or non-conforming goods and delivery to County of any corrected or replaced goods shall be at Supplier's expense. Defective or non-conforming items shall not be corrected or replaced without written authorization by County. Goods required to be corrected or replaced shall be subject to the provisions of this clause and the clause hereof entitled "Inspection, Acceptance and Approvals" in the same manner and to the same extent as goods originally delivered under this contract.

**2.9 PAYMENT:**

County will pay Supplier for goods upon delivery to, submission of certified invoices and acceptance. The County will not be responsible for articles or services furnished without a purchase order. Price is tax-exempt.

**2.10 CHANGE ORDER:**

County may make changes within the general scope of this contract. If any such changes cause an increase or decrease in the cost of or the time required for the performance of any part of the work, whether changed or not changed by any such order, an equitable adjustment shall be made in the price or delivery schedule or both, and any change order shall be in writing. Any claim by a Supplier for adjustment under this clause shall be asserted within fifteen (15) days from the date of receipt of this written order directing the change, provided, however, County, if it decides that the facts justify such action, may receive and act upon such claim asserted at any time prior to final payment.

**2.11 DELIVERIES:**

Deliveries shall be made in strict accordance with any delivery schedule contained in the bid specification or contract and in the exact quantity ordered. Failure to adhere to delivery schedule is reason for termination in accordance with the "termination" clause. Deliveries are to be made at locations specified by the County at time of Order.

**2.12 RESPONSIBILITY FOR SUPPLIES:**

Pursuant to Section 290.560 RSMo, Supplier/Contractor shall employ only Missouri laborers and laborers from nonrestrictive states except that other laborers may be used when Missouri laborers or laborers from nonrestrictive states are not available, or are incapable of performing the particular type of work involved, if so certified by the contractor and approved by the County. Except as otherwise provided, Supplier shall be responsible and bear all risks for loss and damage to goods until delivery at County's facilities, regardless of F.O.B. point, point of inspection or acceptance; and if the goods are rejected.

**2.13 SUBCONTRACTS:**

Supplier shall not enter into any subcontract(s) in excess of \$25,000 or 20% of this contract price; whichever is less, for any goods without County's prior written approval.

**2.14 CHOICE OF LAW:**

This bid and contract shall be governed and interpreted according to the laws of the State of Missouri. Venue for any court action shall be in Jefferson County, Missouri.

**2.15 TERMINATION:**

- A. General: Performance of work may be terminated by the County in whole, or from time to time in part, whenever County shall determine that such termination is in the best interests of County with a thirty (30) day written notice. The Vendor may terminate the Agreement/Contract upon a sixty (60) day prior notice in writing. In the event of any termination of the Agreement/Contract by the Vendor, the County may purchase such supplies and/or services similar to those terminated and for the duration of the Agreement/Contract period the Vendor will be liable for all costs in excess of the established contract pricing.
  
- B. Bankruptcy or Insolvency: In the event bankruptcy proceedings are commenced by or against Supplier or under any provisions of the United States Bankruptcy Act or for the appointment of a receiver or trustee or a general assignment for the benefit of creditors of either party, County shall be entitled to terminate without further cost or liability. The County may cancel the Agreement/Contract or affirm the Contract and hold the Vendor responsible for damages.

- C. Default: County may terminate the whole Contract or any part in either of the following circumstances:
- C-1. If supplier fails to deliver the items required by the contract within the time specified; or
  - C-2. If supplier fails to perform any of the other provisions of the contract, or so fails to make progress as to endanger performance of the contract in accordance with its terms, and in either of these two circumstances does not cure such failure within a period of ten (10) days after notice from County specifying such failure. In the event of termination under subparagraph 1, County shall have the right to procure, on such terms and in such manner as it may deem appropriate, items similar to those terminated, and to recover from Supplier the excess cost for such similar items provided, however, Supplier shall not be liable for such excess costs where the failure upon which the termination is based has arisen out of causes beyond the control of Supplier and without the fault or negligence of Supplier. Such causes shall be deemed to include fires, floods, earthquakes, strikes, and acts of the public enemy. The rights of County provided in subparagraph 1 shall be in addition to any other rights provided by law or the contract.
  - C-3. In the event of the Supplier's non-compliance with the provisions as set forth, this Contract may be cancelled, terminated or suspended in whole or in part and the supplier may be declared ineligible for further County contracts. The rights and remedies of the County provided in this paragraph shall not be exclusive but are in addition to any remedies provided in this Contract or as provided for by law.

**2.16 NOTICE AND SERVICE THEREOF:**

Any notice from the County shall be in writing and considered delivered and the service thereof completed when said notice is posted, by certified or regular mail, to the Supplier, at the address stated on the bid form.

**2.17 CONTRACT TERM:**

Performance shall be governed solely by the terms and conditions as set forth in the Invitation for Bid, Bid Specifications, Bid Form and the Contract notwithstanding any language contained on any invoice, shipping order, bill of lading or other document furnished the Seller at any time and the acceptance by the County for any goods furnished.

**2.18 COMPLIANCE WITH APPLICABLE LAWS:**

Supplier warrants it has complied with all applicable laws, rules and ordinances of the United States, Missouri or any other Governmental authority or agency in the manufacture or sale of the goods, including but not limited to all provisions of the Fair Labor Standards Act of 1938, as amended, including provisions of the Home Rule Charter of Jefferson County, Missouri requiring all workers performing work under any contract with Jefferson County be paid a wage that is at least the prevailing hourly rate of wages for work of a similar character in Jefferson County.

**2.19 ACTS OF GOD:**

No party shall be liable for delays, nor defaults due to Acts of God or the public enemy, riots, strikes, fires, explosions, accidents, governmental actions of any kind or any other causes of a similar character beyond its control and without its fault or negligence.

**2.20 SELLER'S INVOICES:**

Invoices shall contain the following information. Contract number (if any), Purchase Order Number, Item number, contract description of goods or services, sizes, quantities, unit prices and extended totals. Invoices for and inquiries regarding payment should be addressed to the County Accounts Payable Clerk.

**2.21 APPROVAL:**

It is agreed the acceptance of a Bid shall not be valid and binding upon the County until approved by the County Purchasing Agent, County Council, and the County Counselor.

**2.22 RENEWAL OPTION:**

The County reserves the right to negotiate the contract for one (1) additional one-year term with the written consent of the awarded vendor. If the contractor/vendor request an increase in compensation for any renewal period, the vendor shall notify the Office of Contracts and Grants no less than 60 days prior to the end of the contract period. The County shall notify the Vendor of the intent to exercise the renewal option. However, failure to notify the Vendor does not waive the County's right to exercise the renewal option.

**2.23 INDIVIDUAL, PARTNERSHIPS, CORPORATIONS:**

Indicate: [ ] Individual: [ ] Partnership: [ ] Corporation.

Incorporated in the State of \_\_\_\_\_.

AFFIDAVIT  
(as required by Section 285.530, Revised Statutes of Missouri)

STATE OF \_\_\_\_\_ )  
  ) ss  
COUNTY OF \_\_\_\_\_ )

BEFORE ME, the undersigned Notary Public, \_\_\_\_\_

personally appeared who is \_\_\_\_\_ (Title) of \_\_\_\_\_

\_\_\_\_\_ (Company Name), and after being sworn did depose and say:

1. that said company is enrolled in and participates in a federal work authorization program with respect to the employees working in connection with the following services contracted between Contractor and Jefferson County, Missouri for the \_\_\_\_\_ Project.
2. that said company does not knowingly employ any person who is an unauthorized alien in connection with the contracted services set forth above.

The terms used in this affidavit shall have meaning set for in Section 285.525 RSMo, Et seq.

\_\_\_\_\_  
Signature (Person with Authority)

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 2009

My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
Signature of Notary

\_\_\_\_\_  
Date



## SPECIFICATIONS

### **CATCH BASIN CLEANER**

#### **GENERAL:**

Unit offered under this advertisement shall be new, standard production model of the latest design in current production. Complete unit shall comply with applicable requirements of the vehicle code and OSHA.

Bidder must submit with their bid the latest printed specifications and advertising literature on the unit they propose to furnish. All specified items shall be factory installed unless otherwise indicated by the bidder.

Bidder shall supply one (1) parts book, one (1) service, technical and repair manual and one (1) operator's manual with each unit purchased.

The bidder shall list on a separate sheet of paper any variations from or exceptions to, the conditions and specifications of this bid. This sheet shall be labeled "**Exceptions to Bid Conditions and Specifications**," and shall be attached to the bid.

It is the intent of these specifications to describe a Vacuum Catch Basin Cleaner in sufficient detail to secure bids on comparable equipment. All parts not specifically mentioned, which are necessary to provide a complete Catch Basin Cleaner Machine shall be included in the bid and shall conform in strength and quality of material and workmanship to what is usually provided to the trade in general. The machine shall be a current model under standard production by the manufacturer.

#### **EXAMPLE: The VACALL Model VF-13**

Any units not conforming to these specifications will be rejected, and it will be the responsibility of the manufacturer to conform to the requirements unless deviations have been specifically cited by the bidder and acceptance made on the basis of the exceptions.

#### **FUNCTION:**

**General:** The Vacuum Catch Basin Cleaner shall be designed for picking up heavy street sweepings, muck, debris, rocks, sand, building bricks, stones, heavy wet leaves, bottles, cans and large volumes of water or similar materials.

#### **CHASSIS:**

The truck shall be a single axle cab chassis with a 43,000 GVW. The truck shall have all of the manufacturer's standard equipment, all current safety equipment, and the following;

330 hp diesel engine, with 1000 lb.-ft. torque

Allison 3000 RDS automatic transmission

231" wheel base - 162" cab to axle dimensions

23,000 lb. Heavy duty rear axle, 5.63 gear ratio

30,000 lb. Heavy duty rear springs

20,000 lb. heavy duty front axle, 20,000 heavy duty front springs

Power steering, Tilt steering column, Black 18" steering wheel

Right side dual drive controls

11R22.5 16 ply tires on the rear

315/80R22.5 20 ply tires on the front

Disc wheels with 22.5 x 8.25 DC rims 10 stud, hub piloted

Dual air brake system with four channel anti-lock brakes

Heavy duty brakes

Automatic slack adjusters

Bendix AD-9 heated air dryer

12-volt 160 amp alternator

Halogen headlights

Dual air horns

Two speed electric intermittent washers/wipers

All lights, including headlights, 5 clearance lights, flush mounted turn signals, 4 way flashers, stop and tail lights and back up lights

All instrument gauges including oil pressure, water temp, fuel level, speedometer, voltmeter, and tachometer

Low oil pressure/high water temperature warning light & buzzer

Heavy duty cooling system, Permanent anti-freeze to -34F

100 gal. Left side mounted fuel tank with center step

Tinted glass

Air conditioning and blend air heater and dual defroster

Air suspension vinyl mid back driver's seat and three point seat belts

Non suspension passenger seat and three point seat belts

Dual rectangular west coast mirrors breakaway type with regular mirrors and convex mirrors both with heated heads, thermostatically controlled.

Truck shall be painted white

The truck shall have fenders with mud flaps behind the rear tires

### **VACUUM CATCH BASIN CLEANER:**

The machine shall be truck mounted on a single axle cab chassis with a 43,000 GVW. The machine shall have all of the manufacturer's standard equipment, all current safety equipment, and the following;

**Front Boom Hose System:** The front of the vacuum body shall be equipped with a 12" diameter, flexible center mount intake hose assembly capable of reaching 60 degrees to right and left side of the vehicle center line. The hose assembly shall be supported by its own hydraulically operated front power boom. It shall be controlled from both inside the cab and outside the cab in both horizontal and vertical planes. It shall have a minimum vertical lift of 8 feet. The connection between the debris body and front tube assembly shall be self sealing and air tight. The hydraulic pump on the auxiliary engine shall provide hydraulic power for the boom assembly. When not in use, boom will rest in a cradle that also serves as a cab protection.

A remote control joystick / push button station will be provided for operating the intake hose assembly from both inside the cab and outside the cab. Hydraulic telescope extension of 6' for the boom shall be provided. It should have its own hydraulically operated that work together with the front boom hose assembly. It shall be controlled from both inside the cab and outside the cab in both horizontal and vertical planes. A scrubber collar shall be provided to attach to the front boom hose for water injection if required.

**Debris Body:** The body capacity shall be a minimum of 13 cubic yards. The body shall be of welded steel with the floor of not less than 10-gauge minimum and the sides and roof not less than 11-gauge minimum. The inside shall be smooth and crevice free and have a taper from front to rear not less than a 3" minimum. A secondary filtration chamber 8" deep (minimum) shall extend the entire width and height of the body. The top of the chamber shall have an internal baffle and at the bottom of the chamber there shall be one sealed clean-out port on each side of the body.

Six (6) easily removable primary filter screen assemblies shall be provided near the top of the body. A screen washer system shall be included. A one-piece reinforced discharge door shall be provided with an adjustable door lock mechanism. A heavy duty continuous rubber seal with adjustments to keep the body air and water tight shall be provided and a safety prop shall be provided to hold the door open for cleaning interior of the body or for inspection. A 6" body drain with valve shall be located on the tailgate door.

A hydraulically operated stub boom shall be provided for opening the tailgate. It shall be powered by the system hydraulics.

A Class 50 body hoist with not less than 50,000 lb. capacity shall be provided. A double acting hydraulic cylinder shall provide power up and power down. The maximum dumping angle shall not exceed 50°. A vibrator for body dumping shall be provided.

**Blower:** The blower wheel shall not be less than 33" in diameter with not be less than 16,500 CFM to develop a maximum vacuum of not less than 42" of water negative pressure. The blower shall be equipped with a silencer to reduce noise level. The silencer shall be lined with an acoustical material. A hinged cover shall be provided for easy removal and cleaning of the acoustical material.

**Drive Systems:** A 4 cylinder heavy-duty industrial diesel engine having a minimum four cycle displacement of 359 cubic inches and 130 H.P. shall be provided including 12-volt electric starting, 65 amp alternator, voltage regulator, variable speed governor, 204 ampere/hour battery, tachometer, hour meter, voltmeter, oil pressure gauge, coolant temperature gauge, residential exhaust silencer, heavy duty two stage air cleaner, replaceable element oil filter, fuel filter and controls mounted conveniently on front of engine. A low oil pressure, high temperature emergency shutdown shall be provided and a heavy duty clutch for disengaging engine from blower. A 12 gpm hydraulic pump system shall be powered by the drive system.

**Water System:** The water pump shall be a slurry service centrifugal type with a capacity of not less than 120 GPM and a discharge pressure of not less than 75 p.s.i. It shall have an electric clutch control and a low water pump protection system. There shall be 420 gallon water tank capacity.

**Intake Hose Assembly:** The intake hose shall be 12 inch inside diameter x 72" long steel wire reinforced flexible rubber. It shall have one 24" steel nozzle extension and an adjustable circular operation handle. It shall also have two - 48' extension tube, a 7'8" catch basin tube, and three hose/tube clamps.

**Rack Tube Carrier:** A rack for carrying tubes shall be mounted on the front and rear bumpers of the unit.

**Accessories:**

- 20' drain hose
- 25' fill hose
- 25' wash down hose
- Retriever
- Screen scraper
- Hydrant wrench
- Arrow light stick
- Strobe light
- LED tail lights

**WARRANTY:**

ONE YEAR on material and workmanship except hydraulic components which carry the standard hydraulic manufacturer's warranty.

**Delivery & Training:**

The price quoted shall include all transportation charges fully prepaid to the Jefferson County Highway Division West District Maintenance Garage located at Hwy. B and Butcher Branch Road.

The successful bidder agrees to provide an appropriate training program for 8 employees of Jefferson County Highway Division in sufficient scope to assure efficient and economical performance and maintenance of the equipment purchased.

**PRICING**

**1. BASE BID** – Bidder to furnish cab chassis and catch basin cleaner machine

Chassis

Year \_\_\_\_\_ Make \_\_\_\_\_ Model \_\_\_\_\_

Catch Basin Cleaner - Make \_\_\_\_\_ Model \_\_\_\_\_

PRICE \$ \_\_\_\_\_ each

Your delivery time from the date of bid acceptance is

\_\_\_\_\_

**2. ALTERNATE BID** – Bidder to furnish and install catch basin cleaner machine on County furnished cab chassis

Catch Basin Cleaner - Make \_\_\_\_\_ Model \_\_\_\_\_

PRICE \$ \_\_\_\_\_ each

Your delivery time from the date of cab chassis delivery is

\_\_\_\_\_