



HOPKINSVILLE WATER ENVIRONMENT AUTHORITY

Bid Packet:

FY 2018-2019
Sealed Bid # 181901
Combination Jet-Vac Truck

Bid Opening:

Tuesday, August 21, 2018 1:00 P.M. CDT
401 East 9th Street, Hopkinsville, KY 42240, Boardroom

BID PACKET

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IMPORTANT: In the event any of the documents are not enclosed, please advise the Purchasing Officer immediately.



INVITATION TO BID

Sealed Bids furnishing and delivering the following:

FY 2018-2019
Sealed Bid # 181901
Combination Jet-Vac Truck

will be received at HWEA's main office, 401 East 9th Street, P. O. Box 628, Hopkinsville, Kentucky, until 1:00 p.m., local time, on August 21, 2018, at which time the bids will be opened and read aloud publicly in the HWEA Board Room, at the same address.

The Bid Packet contains the Invitation to Bid, General Conditions, Specifications and Detailed Specifications.

GENERAL CONDITIONS

1. INSTRUCTIONS, SPECIFICATIONS AND FORMS:

Instructions, specifications and forms may be obtained via HWEA website, in person, or by email from the HWEA Purchasing Officer at 401 East 9th Street, Hopkinsville, KY 42240. Telephone number 270-887-2782, email irensaw@hwea-ky.com, or website www.hwea-ky.com

- (a) All bids are to be submitted on and in accordance with the attached Bid Form. The form must be signed and dated in the appropriate space.
- (b) Each bid must be submitted in a sealed envelope and clearly marked on the outside of the envelope with the following:

FY 2018 - 2019
Sealed Bid # 181901
Combination Jet-Vac Truck

- (c) If forwarded by mail, the sealed envelope containing the proposal must be enclosed in another envelope: FY 2018 - 2019 - Sealed Bid # 181901 - Combination Jet-Vac Truck and shall be mailed to the HWEA Purchasing Officer, P.O. Box 628 Hopkinsville, KY 42241, allowing sufficient time for such mailing to reach this address prior to the scheduled closing time for receipt of bids.
- (d) Additional information or clarifications of any of the instructions or information contained herein may be obtained from the Purchasing Officer.
- (e) Any bidder or bidders finding any discrepancy in or omission from the specifications, in doubt as to their meaning, or believing that the specifications are discriminatory, shall notify the Purchasing Officer in writing within 5 days of the scheduled opening of bids. Exceptions as taken in no way obligates HWEA to change the specifications. The Purchasing Officer will notify all bidders in writing, of any interpretations made of specifications or instructions.

- (f) HWEA will assume no responsibility for oral instructions or suggestions. All official correspondence in regard to the specifications should be directed to and will be issued by the Purchasing Officer.
- (g) The successful bidder may have to purchase a City of Hopkinsville vendor's license prior to the official award of the bid, if meets the requirements of City of Hopkinsville ordinances.
- (h) Any bidder may withdraw their bid either in person or in writing at any time prior to the scheduled time for closing the receipt for bids. Withdrawals after the scheduled time for closing the receipt of bids will not be permitted.

2. AWARD OF CONTRACTS

- (a) All bids will be judged on the basis of best buy to HWEA and compliance with the General Instructions and conformance with the specifications. HWEA reserves the right to reject any and all bids.
- (b) Any other considerations or basis for judgment will be stated in the specifications.
- (c) The Purchasing Officer reserves the right to award contracts or place orders to a single source or divide awards and orders or enact such combination as shall, in his judgment, be in the best interest of HWEA.

3. DELIVERY

- (a) Item is to be delivered F.O.B. destination and delivery costs and charges included in the bid.

4. COMPETITION

In order to assure fair competition and to permit determination of the best bid:

- (a) The name of any manufacturer, trade name, or manufacturer or vendor catalog number mentioned in the specifications or Bid Form is to designate a standard of quality and type and for no other reason.

- (b) Bids which show any omission, irregularity, alteration of forms, additions not called for, conditional or unconditional unresponsive bids, or bids obviously unbalanced may be rejected.
- (c) All bids must be accompanied by such descriptive literature and documents as may be called for by the specifications or Bid Form.
- (d) Specifications provided are based on HWEA needs and uses, estimated costs of operation and maintenance, and other significant and/or limiting factors to meet HWEA requirements and shall be consistent with HWEA's policies. Minimum specifications and maximum specifications where included, are not established arbitrarily to limit competition or to exclude otherwise competitive bidders.

5. DISPUTES

In cases of disputes, as to whether or not an item or service quoted or delivered meets specifications, the decision of the Purchasing Officer, or authorized representative shall be final and binding on all parties. The Purchasing Officer may request written recommendation of the head of the Department using the item.

6. EXCEPTIONS

The submission of a bid shall be considered an agreement to all the terms, conditions and specifications provided herein and in the various bid documents, unless specifically noted otherwise in the space provided on the Bid Form.

7. BID BINDING

Unless otherwise specified, all formal bids submitted shall be irrevocable for sixty (60) calendar days.

8. UNIT PRICING

Unless clearly shown on the Bid Form that it is the intent of the bidder that a reduced total price is being offered on the basis of receiving an award of all items covered by the total, any totals should be the actual sum of the extension of unit price(s), extended price(s), and/or total price(s), unit prices will govern and the bid will be refigured accordingly.

9. DELIVERY TIME

The bidder is to indicate on the Bid Form the approximate delivery time of the vehicle with equipment to the HWEA from date of signing contract.

10. WARRANTY

The combination Jet-Vac truck furnished in accordance with these specifications shall be guaranteed to be free from defect in workmanship, material or equipment.

11. DETERMINATION OF AWARD

Price.....	50
Conformance with Minimum Specifications.....	45
Local Vendor.....	05

TOTAL 100

SPECIFICATIONS

1. GENERAL SPECIFICATIONS

- (a) All vehicles and equipment furnished under this contract shall be factory equipped with safety equipment and in conformance with the Federal Motor Vehicle Safety Standards and Vehicle Emissions Regulations applicable at time of delivery.
- (b) All equipment is to be equipped with all manufacturer's standard equipment as listed in the manufacturer's literature.
- (c) The equipment shall be manufactured in production and shall be of good listed quality as to workmanship and materials used.

2. INFORMATION TO BE FURNISHED BY BIDDER

- (a) Each bid shall have attached the following information:
 - 1. A copy of manufacturer's warranty.
 - 2. A copy of the complete descriptive literature to include operation, installation and maintenance instructions.

3. EXCEPTIONS

- (a) Major exceptions to these specifications or failure to submit requested information may be considered cause for rejection of the bid.

DETAILED SPECIFICATIONS

The following are minimum specifications for;

FY 2018 - 2019
Sealed Bid # 181901
Combination Jet-Vac Truck

BIDDER SPECIFICATIONS

Bidder is requested to indicate either by writing "Comply" or "Exceptions" whether his product meets the minimum specifications as listed on this opposite side. If "Exception" is written, please indicate in the space provided the deviation.

**ANY AND ALL BIDS WHICH ARE RETURNED MUST HAVE THE FOLLOWING
PAGES COMPLETED AND RETURNED OR BID MAY NOT BE CONSIDERED.**

DETAILED SPECIFICATIONS

DESCRIPTION	COMPLY	EXCEPTION
Combination Jet-Vac Truck		

GENERAL

DESCRIPTION	COMPLY	EXCEPTION
Machine is capable of removing stones, grit, grease, sludge and other debris from sanitary sewer by flushing action of high-pressure water.		
The high-pressure sewer cleaner operates independent of the vacuum system.		
Machine includes air conveying vacuum system for simultaneous removal of debris flushed to the manhole by the high-pressure water system or for the removal of debris from sewers, sumps, catch basins, digesters, wet wells, bar screens, etc.		
Machine is capable of being operated by one person, with all operating controls for high-pressure water pump, hose reel, and vacuum located at the front of the machine, also located on the front of the truck.		

TRUCK MECHANICAL

DESCRIPTION	COMPLY	EXCEPTION
ENGINE: Min. 300hp Paccar PX-9 (2013 Emissions) Aluminum flywheel housing, cruise control, and J1939 Provisions provide an interface point for the electronic, Service Analysis-ESA. Magnetic oil drain plug.		
Engine Protection Shutdown includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature.		
Exhaust Brake		
Minimum 18.7 CFM air compressor		
Immersion Type Pre- Heater 110-120volt		
160 Amp Alternator		
2 Batteries equaling 2000 cold cranking Amps		
TRANSMISSION: Allison Automatic 3500 RDS-P 6-Speed Configuration		
Dash mounted Push Button Shifter		

TRUCK MECHANICAL CONT.

Description	COMPLY	EXCEPTION
1 Dash Mounted Single Acting PTO Control		
Huck Bolted Frame		
Minimum RMB FOR Frame 1,775,000		
Double Frame		
3 piece cross member		
Minimum 12,000lb. Front axle		
Minimum 13,200lb. Front Springs		
Wide Track Front Axle		
Minimum 23,000lb. Rear Axle		
4,500LB Helper springs		
Rear locking differential		
Anti-Lock braking system		
Rear Brake Camshaft Reinforcement		
Brake dust shields front and rear		
Heated air dryer		
In frame body builder harness		
Sealed junction box with plug in auto reset circuit breakers		
Trailer hand valve		
Air restriction indicator		

EXTERIOR

DESCRIPTION	COMPLY	EXCEPTION
Aluminum cab		
Heated stainless steel cab mounted mirrors		
White in color		
Piano hinged doors		
Metton hood		
Air ride cab		
Stainless steel stationary grill		
Aluminum fuel tank		
Aluminum battery box		
Stainless steel sun visor		
Wheels: 22.5 white in color		
Tires: 11R 22.5 all season		

EXTERIOR CONT.

DESCRIPTION	COMPLY	EXCEPTION
Severe service package (additional reinforcement structure on the cab, firewall, and the floor)		
Extended rear windows		
Vertical exhaust on the right side		
One piece curved windshield		
Air horn mounted under the cab		
5 LED marker lights		

INTERIOR

DESCRIPTION	COMPLY	EXCEPTION
High back air ride driver's seat		
Low back air ride passenger seat		
Thermal insulation package/noise reducer		
Tilt and telescoping steering column		
Combo fresh air heated/air conditioner		
Dome/reading lights		
2 switches wired hot for extra lights		
Inside entry grab handles		
AM/FM WB, USB, AND MP3		
Bluetooth		
Wired for CB radio		
Safety kit ie. triangle reflectors and 5lb fire extinguisher		

DEBRIS BODY

DESCRIPTION	COMPLY	EXCEPTION
Capacity of 3.5 cubic yards		
Rear door shall be dished & flanged, full opening, hinged at the top with low profile and adjustable style hinges		
Debris body shall be round and constructed of 3/16 corrosion resistance steel		
There shall be a 5" butterfly drain valve with screen weldment inside for removal of excess liquid		
Rear door shall be supplied with debris deflector shields		

DEBRIS BODY CONT.

DESCRIPTION	COMPLY	EXCEPTION
Rear door shall contain a safety prop		
Hydraulic grabber shall be installed and controlled by one hydraulic cylinder externally mounted		
Double acting power up/down hydraulic scissor lift mechanism to raise body to a minimum of 60 degrees		
Scissor lift shall have a minimum lift capacity of 56,000 lbs		
Dump controls shall be located on the curbside mid-ship of truck		
Body shall have internal polyethylene float device with external indicator to show load capacity		
Body shall have an automatic breaker assembly installed inside the debris body with a manual override system		
Debris body shall be white in color		

BLOWER

DESCRIPTION	COMPLY	EXCEPTION
Centrifugal vacuum compressor shall be of 2-stage construction		
Compressor fans shall be constructed of non-corrosive steel		
Compressor is powered by the truck's engine by means of direct drive hydrostatic pump off of a transfer case		
Blower shall contain a separator that is separate of the debris body along with a cleanout box		
System shall vacuum under water 11.25' negative water pressure and 8000 cfm without special attachments		

WATER SYSTEM

DESCRIPTION	COMPLY	EXCEPTION
Water tank shall have usable capacity of at least 500 U.S. gallons		
Water tanks shall be constructed of non-corrosive, non-metallic, durable, cross-linked polyethylene		
Water tanks shall be mounted at or below the truck frame		
A 2 ½" x 25' hydrant hose along with hydrant wrench shall be supplied with unit		
Unit shall have an anti-syphon fill device		
Unit shall have an inspection port		
Unit shall have a sight gauge		
Water tanks shall be protected by minimum of 11 gauge steel mounted below the tanks		

VACUUM PICK UP HOSE

DESCRIPTION	COMPLY	EXCEPTION
Boom shall be front loading		
Boom shall have 6" diameter hose mounted on it		
Boom shall have a minimum 18' vertical lift and 270 degree of rotation		
Boom shall have a minimum lift capacity of 500 lbs. at the front bumper		
Boom shall telescope a minimum of 5' straight forward from fully retracted position		
Boom shall be powered hydraulically: up/down by dual lift cylinders, right/left by gear rotation		
Boom controls shall be by means of joystick at the operator's station		
Unit shall have a wireless remote control which will control boom, vacuum breaker, chassis throttle, and debris body functions		
Unit shall have a manual override system		
Front bumper shall have a docking station for boom suction hose		
Unit shall have Qty. 1 - 6 ½' catch basin nozzle, Qty. 1 - 6' aluminum pipe extension, Qty. 1 - 5' aluminum pipe extension, and Qty. 1 - 3' aluminum pipe extension		

HIGH PRESSURE WATER SYSTEM

DESCRIPTION	COMPLY	EXCEPTION
Water pump shall be direct driven hydrostatically via chassis engine and operate independent of vacuum system		
Shall have a minimum of continuous flow of 30 gpm and 3000 psi		
Shall have a high-pressure relief valve for both high-pressure system and hand gun system		
Water pump be capable of running dry		
Controls to operate high-pressure water system shall be located in the operator's station at the front of the truck		
Unit shall contain a cold weather drain valve		
Hose reel assembly shall be mounted on the front of the truck and reel shall have minimum of 30" inside diameter		
Hose reel shall be powered hydraulically in both directions by means of double chain & sprocket drive		
Hose reel shall be equipped to control rotational speed of reel in both directions		
All hydraulic hoses shall be installed behind a steel housing		
Hose reel shall rotate at a minimum of 180 degrees or 90 degrees each side from centerline of truck		
Hose reel shall have an automatic feed guide to guide hose on/off reel uniformly		
Jet hose shall be 500' x 3/4" jet rodder hose with 3000 psi working pressure and 7500 psi burst pressure		
Unit shall contain high-pressure pump and independent water tank assembly supplied for manhole cleaning		
Shall have continuous flow of 20 gpm and 600 psi of pressure		
Shall have a hand gun pressure relief valve set at 600 psi		
Unit shall have a hand gun with squeeze trigger for on/off control, replaceable nozzle tip, 12" extension, adjustable spray & 25' x 1/2" hose		

HIGH PRESSURE WATER SYSTEM CONT.

DESCRIPTION	COMPLY	EXCEPTION
Hand gun hose shall have quick disconnects		
Debris body shall have power flush out system		
Unit shall have winter recirculating system capable of operating through full flow range of the high-pressure rodder hose system in transport or stopped position		
Unit shall have winter recirculating connection for low pressure circuit		
Unit shall have a winter recirculating connection for high pressure circuit		
Unit shall have an air purge system		
Unit shall have ¼" turn ball valve water drain		
Unit shall have a variable flow valve		
Unit shall have a low water alarm w/ light		
Unit shall have a hose footage counter mounted curb side		
Unit shall have wireless remote control for reel feed in/out, water cleaning system on/off		

HYDRAULIC SYSTEM

DESCRIPTION	COMPLY	EXCEPTION
System shall have a 45 gal capacity		
System shall have a main shut off valve		
System shall have hydraulic pressure relief valves and pressure gauges		

HYDROSTATIC SYSTEM

DESCRIPTION	COMPLY	EXCEPTION
Unit shall be a closed loop system with one filter, two pumps and motors, and an air to oil heat exchanger		
Heat exchange shall be capable of flow from 4-80 gpm and shall be equipped with a 25 psi full flow check valve		
Heat exchanger shall keep oil at 110-160 degrees F. and operating range at 90 degrees F.		

ACCESSORIES

DESCRIPTION	COMPLY	EXCEPTION
Carousel pipe rack mounted on driver side of truck		
Rear mounted tow hooks		
Remote plumbed grease fittings for water pump drive areas		
Remote boom grease zerk assembly, accessible from ground level		
Remote debris tank grease zerk assembly, accessible from ground level		
Weatherproof lubrication chart mounted on truck		
Water pump remote oil drain		
Rear bumper assembly		
Stainless steel storage box mounted behind cab w/ access to box on both passenger and drive side		
Stainless steel storage boxes mounted under vacuum body on curb side		
Qty. 1 - chisel head penetrator and Qty. 1 - standard sanitary sewer nozzles		

SAFETY EQUIPMENT

DESCRIPTION	COMPLY	EXCEPTION
Back up camera with color monitor located in cab		
Back up alarm to sound when truck is in reverse		
Cone storage rack on driver side and curb side		
Four LED strobe lights mounted two in the front bumper and two in rear bumper, clear in color		
LED traffic arrow stick mounted on rear door		
LED boom mounted flood light		
LED rear mounted flood lights		
LED water pump work area mounted flood light		
LED level wind guide and limb guard mounted flood light		
LED driver's side area mounted flood light		
Electrical system shall be vapor sealed		
Module circuit shall be protected by circuit breakers		
Reflective tape, reflectors and safety warning stickers shall be installed per DOT regulations		

**OPTIONAL ADD-ON BID # 1
LATERAL CLEANING KIT**

DESCRIPTION	COMPLY	EXCEPTION
150' x 1/2" high pressure hose		
Cleaning system shall be mounted on curb side		

**OPTIONAL ADD-ON BID # 2
HYDRO-EXCAVATION SYSTEM**

DESCRIPTION	COMPLY	EXCEPTION
50' retractable handgun hose reel w/ 50' x 1/2" high pressure hose		
Curb side mounting		
Quick disconnect hose		
Heavy duty HP unloader valve		
Main control ball valve		
High pressure hand gun w/ quick disconnect spray nozzle		
Extension pipe for hand gun		



RECIPT OF BID PACKET

FY 2018 - 2019
Sealed Bid # 181901
Combination Jet-Vac Truck

I hereby acknowledge receipt of the subject bid packet.

Company Authorized Signature

Date



BID FORM

Company Name: _____

Address: _____

Telephone: _____ Fax: _____

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>BIDDER DESCRIPTION</u>	<u>TOTAL COST</u>
One	Combination Jet-Vac Truck	_____	\$ _____

I, the undersigned, do hereby certify that I am a duly authorized representative of _____ located at _____ and I have carefully examined the Instructions, Specifications and Bid Form and agree to all terms and conditions as set forth in them.

Signature _____
Title _____

Acknowledged before me this _____ day of _____, 2018

NOTARY PUBLIC
My Commission Expires: _____



BID FORM OPTIONAL
ADD-ON BID # 1

Company Name: _____

Address: _____

Telephone: _____ Fax: _____

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>BIDDER DESCRIPTION</u>	<u>TOTAL COST</u>
One	Lateral Cleaning Kit	_____	\$_____

I, the undersigned, do hereby certify that I am a duly authorized representative of _____ located at _____ and I have carefully examined the Instructions, Specifications and Bid Form and agree to all terms and conditions as set forth in them.

Signature _____
Title _____

Acknowledged before me this _____ day of _____, 2018

NOTARY PUBLIC
My Commission Expires: _____



BID FORM OPTIONAL
ADD-ON BID # 2

Company Name: _____

Address: _____

Telephone: _____ Fax: _____

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>BIDDER DESCRIPTION</u>	<u>TOTAL COST</u>
One	Hydro-excavation System	_____	\$_____

I, the undersigned, do hereby certify that I am a duly authorized representative of _____ located at _____ and I have carefully examined the Instructions, Specifications and Bid Form and agree to all terms and conditions as set forth in them.

Signature _____
Title _____

Acknowledged before me this _____ day of _____, 2018

NOTARY PUBLIC
My Commission Expires: _____