



Request for Proposal

The City of Conway is soliciting Bids/Proposals for a Trailer Mounted Vacuum Excavator. All proposals need to be submitted to Ken Senn, PO Drawer 1075, Conway, SC 29528 or hand delivered to 2940 Jerry Barnhill Blvd., Conway, SC 29527 no later than Tuesday, August, 28, 2018 by 2:00 am. Bids need to be good for 45 days. Bidders will need to include approximate delivery time from award of bid. If you have any questions contact Kent Bitting at 843-248-1770.

Please complete the attached bid proposal with specifications.

The City of Conway reserves the right to reject any/or all proposals when such rejection is in the best interest of the City of Conway to reject the Proposal of the bidder who has not met the prerequisites on the bid proposal, who has previously failed to perform properly or complete on time contracts of a similar nature: and to reject proposal is in the opinion of the City of Conway, in a perform contract. The City of Conway also reserves the right to waive any information and technicalities in bidding. All proposals must be sealed and marked with Vacuum Excavator Bid written on outside of bid package.

Trailer Mounted Vacuum Excavator

DESIGN	Comply	Non-Comply
<p>Class</p> <p>Must be a portable, self-contained fluid excavation unit. Equipped with a fully enclosed and insulated power pack with 800 gal (3028 L) spoil tank, with 512 cfm (14.5 m³/min) blower. Vacuum pump capable of 15" (381 mm) of Hg.</p>	_____	_____
<p>Controls & indicators</p> <ul style="list-style-type: none"> • Operator's station must be located in a lighted, lockable, compartment on the curb side (right side), with left-side mounting optional for custom or international applications. • Operator's station must provide a display including an hour meter, engine oil pressure indicator, water pressure gauge and engine temperature indicator, and a control station with a water pressure regulator and auxiliary power connection. • Must be equipped with a water pressure control variable from 0 to 3000 psi (207 bar). • Must be equipped with an amber strobe light that flashes when ignition is on. This light must be mounted on top of the debris tank. 	_____	_____
<p>Construction</p> <ul style="list-style-type: none"> • Blower, water pump, and hydraulic system must be powered by the same engine and contained within an enclosed and insulated lockable compartment. • Standard equipment must include 200-gal (757-L) freshwater tank & 800-gal (3032-L) spoil tank. Freshwater tank should be plumbed to the pump and equipped with a drain. • Debris tank must have a full-diameter, fully opening rear door. • Must include an onboard hydraulic system to tilt tank and provide power to operate hydraulic functions as required. • Entire system must come loose-configured or trailer-mounted with curbside controls and drains. 	_____	_____

	allows hose to be stored flat and straight must come standard on 800- and 500-gal capacity models.		
Filtration	<ul style="list-style-type: none"> • Must have a wet/dry, polyester, single-element vacuum filter with 73 ft² (6.8 m²) of filtration media and a 0.5-micron rating per ASHA RP531. • Vacuum filter must be washable and reusable. • Must have filter on the vacuum relief valve that operates when vacuum exceeds the relief setting. • Must have a cyclonic filter. 		
Trailer	Manufactured in compliance with National Association of Trailer Manufacturers (NATM) guidelines and Federal Motor Vehicle Safety Standards (FMVSS) regulations.		

DIMENSIONS		Comply	Non-Comply
800 gal (3028 L) tank	<ul style="list-style-type: none"> • Length: 269.4 in (6.84 m) • Width: 96 in (2.44 m) • Height: 85 in (2.16 m) • Weight (empty): 8538 lb (3873 kg) 		
Trailer	<ul style="list-style-type: none"> • Width outside fenders: 96 in (2.4 m) • Clearance at jack foot pad: 13.9 in (353 mm) • Trailer GVWR: 20,000 lb (9072 kg) • Axle rating: two @ 10,000 lb (4536 kg) ea. 		

POWER		Comply	Non-Comply
Engine	<ul style="list-style-type: none"> • Engine must be an EPA Tier 4 compliant naturally aspirated, liquid-cooled Kubota® model D1105-E3B diesel or equivalent with electric start housed inside a fully insulated, lockable compartment. • Engine must run at a maximum of 3,000 rpm and produce at least 24.8 gross hp (18.5 kW). • Engine fuel tank capacity must be 25 gal (94.6 L) to provide 9 hours of operating time at full throttle. 		

Operation	<ul style="list-style-type: none"> • Must have a 3000 psi (207 bar), 4.2 gpm (16 L/min) water pump with electric clutch and auto-declutch capability. Auto clutch must disengage the pump when water is not in use, allowing full power to the blower. • Blower must provide 512 cfm (14.5 m³/min). • Must offer as an option a reverse flow mode that allows the transfer of vacuumed material to another tank or disposal site. • Must have a make/break compression seal to optimize air flow and simplify plumbing. 	<hr/> <hr/> <hr/> <hr/>
Water system	<ul style="list-style-type: none"> • Standard equipment must include 50' (15.2 m) of high-pressure hose rated at 3000 psi (207 bar) on a lockable hose reel. • Must be equipped with a 3-gallon (11.4-L) antifreeze system as standard equipment. 	<hr/> <hr/>
Hydraulic system	<ul style="list-style-type: none"> • Debris tank must be equipped with hydraulic tilt cylinders to tilt tank to 45°. • Must be capable of providing power to hydraulic door lift. • All hydraulic cylinders must be serviceable with tank down. • Must have an engine-driven gear-type hydraulic pump that produces 2500 psi (172 bar). 	<hr/> <hr/> <hr/> <hr/>
Potholing equipment	<ul style="list-style-type: none"> • Three potholing tools must be available for exposing buried utilities: <ul style="list-style-type: none"> ▪ 7' long 3" (76-mm) diameter basic potholing tool with suction only ▪ 4' long 3" diameter 2-in-1 potholing tool with water pressure and suction ▪ 4' long digging lance with nozzle that delivers 3000 psi (207 bar) and an 18° cone of coverage. • Potholing tools must be equipped with quick couplers. • Potholing equipment must include at least 24' (7.3 m) of industrial-rated 3" (76 mm) suction hose with quick couplers. • Unit must have lockable tool storage compartment. 	<hr/> <hr/> <hr/> <hr/> <hr/>
Debris tank	<ul style="list-style-type: none"> • Must have a full tank diameter, hydraulically-operated, rear-opening door with automatic lockout when door is fully opened and fluid level full indicator. • Debris tank must have a 4" (102 mm) inlet valve and 6" (152 mm) drain valve. Both valves must be equipped with quick couplers. • Must have vacuum relief valve set to 15" (381 mm) of Hg. • In-frame suction hose compartment that 	<hr/> <hr/> <hr/> <hr/>

SAFETY		Comply	Non-Comply
Noise levels	<ul style="list-style-type: none"> • Must not exceed 77 dBA sound pressure per ISO 6396 without reverse flow option. With reverse flow, must not exceed 77 (suction mode) or 84 (reverse flow mode) dBA sound pressure per ISO 6396. • Must not exceed exterior 104 dBA sound power per ISO 6395 without reverse flow option. With reverse flow, must not exceed 104 (suction mode) or 110 (reverse flow mode) dBA sound power per ISO 6395. 	_____	_____
Operator training	<ul style="list-style-type: none"> • An operator's manual that describes proper operation and maintenance of the HX30 must be provided. • Hands-on operator training must be provided to those who have not already been trained. • Training must be provided by qualified dealership personnel when product is delivered. 	_____	_____

MISCELLANEOUS		Comply	Non-Comply
Decals	<ul style="list-style-type: none"> • Product decals must use universally recognized symbols. • Written decals must be available in English and all languages required by the European Union. 	_____	_____
Delivery and availability of parts	The manufacturer must have a system in place that provides special shipment and delivery of parts for critical situations.	_____	_____
Location of service facility	To reduce costs of maintaining the product, a full service facility must be located in a reasonably close geographic location to the customer's main facility.	_____	_____
After-hours support	Dealership must provide names and phone numbers of personnel that may be called to provide parts and/or service in an emergency.	_____	_____

Bid Sheet

1- Trailer Mounted Vacuum Excavator

Shipping

Tax

Total

Delivery Time from time of acceptance of bid

Firm Name

Sales Rep Name

Address

Phone Number

Email
