

Invitation to Bid

Sealed bids for a

Source Capture Exhaust System for the Whitehouse Fire Department

Will be received by the Village of Whitehouse,
6925 Providence St., Whitehouse, OH 43571 until

12:00pm (Local Time)

Monday, December 3, 2018

A complete copy of the specifications is available at the Whitehouse Fire Department,
10550 Waterville St., Whitehouse, OH 43571 and on the Village's website

www.whitehouseoh.gov

All bids are to be sealed and clearly marked

“Source Capture Exhaust System for the Whitehouse Fire Department”

And shall be addressed to:

Jason Francis, Deputy Chief,
PO Box 2476, Whitehouse, OH43571

2018

Whitehouse Fire
Department



EXHAUST SYSTEM VENTILATION PROJECT



Whitehouse Fire Department

10550 Waterville Street P.O. Box 2817
Whitehouse, Ohio 43571
419 877-0363
Fax 419 877-4827

Joshua, Hartbarger Chief

William May, Assistant Chief

Jason Francis, Deputy Chief

09/24/2018

RE: Exhaust Removal System

To Whom It May Concern,

Whitehouse Fire Department received and Assistance to Firefighters Grant (AFG) for the purchase and installation of an exhaust removal system. The installation will be at the fire department located at 10550 Waterville Street, Whitehouse, Ohio 43571. All quotes shall include purchase, freight, building modifications, necessary building permits, installation, tail pipe modification to apparatus, certification, miscellaneous materials and components, jobsite debris removal, training, and warranty of the complete system. The Whitehouse Fire Department is tax exempt.

Bids shall be received at the Village of Whitehouse Municipal Building by 12:00PM EST on December 3, 2018. The physical address is 6925 Providence Street, Whitehouse, Ohio 43571. Bids may be mailed to the Village of Whitehouse, P.O. Box 2476, Whitehouse, Ohio 43571. Bids will be opened on December 3, 2018 at 12:15 PM EST at the Village of Whitehouse Municipal Building.

The details of the project are below:

1. Medic 85 is the only vehicle that has an exhaust stack. The fire department would like to utilize a system that uses a diverter type valve before the vertical transition of the exhaust stack. This will allow the medic unit to be moved around throughout the station.
2. There are seven (7) diesel apparatus and three (3) gasoline apparatus.
3. There are a total of ten (10) exhaust hoses to be installed.
4. A small engine testing ventilation outlet shall be included, and may be funded separately.
5. See additional pages for bid specifications.

Thank you,

Jason Francis

Jason Francis

Deputy Fire Chief

INTENT

The intent of this specification to provide for the purchase of new equipment to be used by the Whitehouse Fire Department. The Whitehouse Fire Department will receive bids for the purchase of equipment for a Vehicle Exhaust Removal System until December 3, 2018, at 12 noon EST. All bids received must be marked on the outside of the envelope "2018 Vehicle Exhaust Removal System" and meet the specifications as described herein.

The Whitehouse Fire department has evaluated different styles of vehicle exhaust removal systems. Administration has determined that this published specification is best suited for the needs of the department in terms of quality and features. This specification shall not be interpreted as restrictive but rather as a measure of quality and performance against which all other systems will be compared. In comparing bids, comparison will not be confined to price only.

The successful vendor will be one whose product is judged as best serving the interest of the Whitehouse fire Department when price, product, quality and delivery are considered. The Whitehouse Fire Department also reserves the right to reject any or all proposals or any part thereof, and to waive any technicalities. The system shall be a vehicle exhaust removal system. The required vehicle exhaust removal system, as listed herein, shall be a single "free standing" complete unit.

The system shall be factory assembled and tested to assure quality and reliability. Equipment, ancillary components, installation requirements, testing, and certifications required at the installation site shall be stated within this specification. The system and components identified herein shall be complete and integral part of the package. The system shall be installed, piped, and electrically wired by the successful bidder at the following location: Whitehouse Fire Department, 10550 Waterville Street, Whitehouse, Ohio 43571.

SYSTEM DESCRIPTION

The exhaust extraction system shall be a direct source capture system designed to handle exhaust fumes from diesel and/or gas engines. The system shall be designed with a total of **10** vehicle capture points. The department would also like to have an exhaust hose or tailored unit to use with small engines located in the apparatus room.

MANUFACTURER QUALIFICATIONS

- A. Bids shall only be accepted by bidders supplying equipment from manufacturers that have an established reputation in the business of manufacturing Automatic Emergency Response Vehicle Exhaust Removal Systems for a minimum of no less than fifteen (15) years. The manufacturer must be a ISO 9001:2008 Certified in the United States www.iso.org, UL and CUL Certified www.ul.com/database/ and certified by the Air Movement and Control Association (AMCA) www.amca.org/search.htm to ensure quality, consistency and reliability of products. Certification documents shall be provided and attached to the bid proposal. Where the requirement calls for a packaged exhaust system to be provided, all items shall be the product of the manufacturer. The product offering must be a product that has been offered by that manufacturer for a minimum period of fifteen (20) years. No prototypes or private label products by other manufacturers will be allowed. System bid shall have a life of service of no less than 10 years to establish proof of quality, longevity and service.

Comply

Do not comply

8. The system should not incorporate any electromagnetic or magnetic devices that require either fastening or drilling into the side body panels or tailpipes of the fire apparatus, which could affect vehicle warranty.

Comply

Do not comply

9. Due to safety of fire personnel, systems which require tailpipes or their adapters to protrude beyond the outside edge of chassis are not acceptable due to NFPA 1901, 2009 requirements.

Comply

Do not comply

10. the entire hose assembly should be rated for 400°F. Continuous, 500° F. intermittent temperature to ensure the exhaust fume does not deteriorate the hose and leak.

Comply

Do not comply

11. The automatic control panel should be UL listed and manufactured in accordance with Underwriters Laboratories standard UL-508. We prefer the panel be listed by Underwriters Laboratories and bear the UL label. Insert Underwriters Laboratories file number for automatic control panel and manufacturer's name. We prefer that the Manufacturer of Controller be same manufacturer as the complete Vehicle Exhaust Extraction System.

Comply

Do not comply

12. We prefer that a copy of the Underwriters Laboratories Authorization Page for the Control Panel be attached.

Comply

Do not comply

13. Systems which require disconnection of nozzle from vehicle when working on vehicle's fuel system, recharging batteries or whenever there is a risk of inflammable dust or explosive gases, are not preferred.

Comply

Do not comply

20. We prefer that the hose saddle be made of steel 26 gauge welded elbow must be utilized to support hose between upper and middle hose assemblies.

Comply

Do not comply

21. We prefer that the system allow in station pump test for 15 minutes / 1500 RPMs, this feature must be noted on Control Center for System Operation procedures

Comply

Do not comply

22. we prefer that the tailpipe adapters be bolted onto the exhaust system, welded on adapters are not preferred.

Comply

Do not comply

23. We prefer that the control panel contains the motor starter, overload; solid-state circuit card with timer adjustments from 7 to 360 seconds, fused low voltage transformer, in a NEMA 12 rated key lock electrical enclosure.

Comply

Do not comply

24. Controls that require electrical or pneumatic devices installed on the vehicle to activate the exhaust blower are not preferred. These additional aftermarket devices may cause interference with original equipment and cause a delay in response time.

Comply

Do not comply

25. We prefer that the control panel not utilize or produce electrical frequency transmission because it may interfere with communication equipment.

Comply

Do not comply

Manufacturer Qualifications

Bids shall only be accepted from bidder's supplying equipment from manufacturers that have an established reputation in the business of manufacturing Vehicle Exhaust Extraction Systems for a minimum of no less than ten (10) years. System bid shall have a life of service of no less than ten (10) years to establish proof of quality, longevity and service. Equipment life of service shall meet the department's expectations for similar types of equipment.

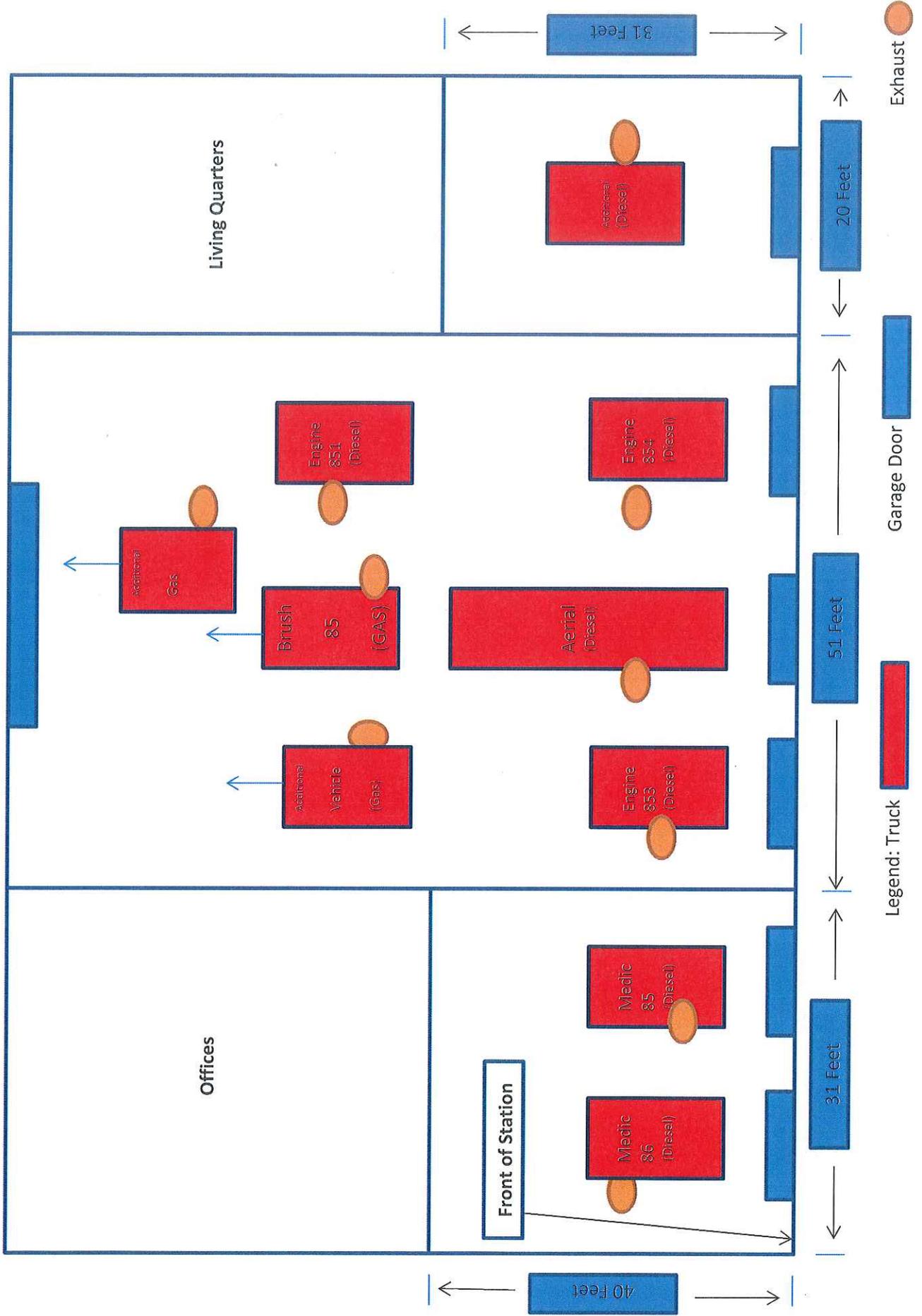
Comply

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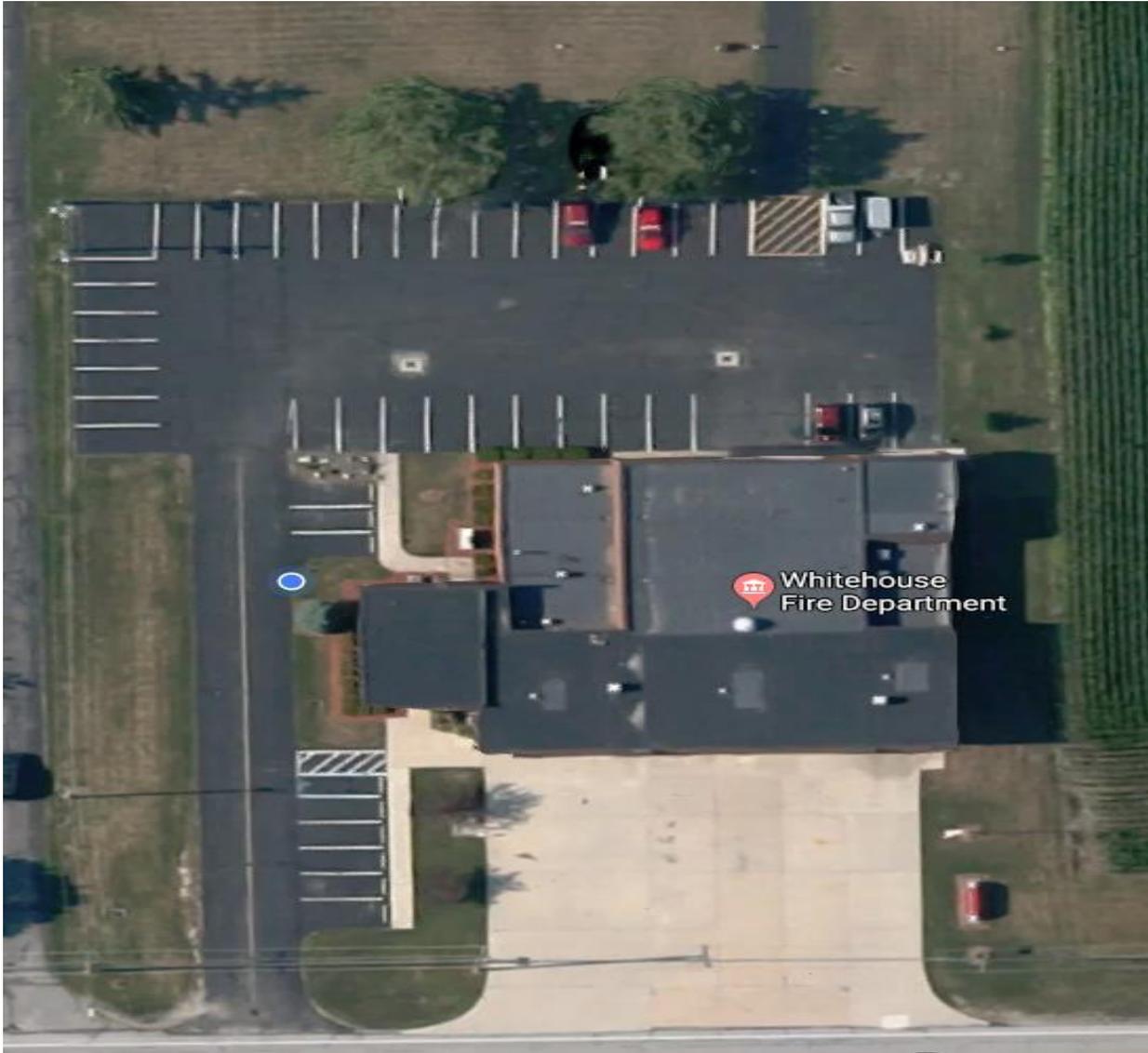
comply

Whitehouse Fire Department
10550 Waterville Street
Whitehouse, Ohio 43571



Whitehouse Fire Department
10550 Waterville Street / Whitehouse, Ohio 43571

Aerial View



Whitehouse Fire Department
10550 Waterville Street / Whitehouse, Ohio 43571

West Side Front View



Front View (Center)

Proposed Work Area



Proposed Work Area

Whitehouse Fire Department
10550 Waterville Street / Whitehouse, Ohio 43571

East Side Front View



Proposed Work Area

Whitehouse Fire Department
10550 Waterville Street / Whitehouse, Ohio 43571

Rear View



Proposed Work Area