

Project Number: 18-PFD-1
Exhaust Fume Removal System

Project Site: Plympton Fire Department/Station, 3 Palmer Road, Plympton, MA 02367

Scope

General Description:

The selected Contractor must purchase and install a complete exhaust fume removal system at the Plympton Fire Station (built circa 1974), including any necessary control panels, filters or sensing devices, as necessary to affect an appropriate installation, as described herein, including all miscellaneous items incidental to the work.

General Specifications include:

- Ceiling hung re-circulating air filtration system
- Vertical air flow design
- Design to work for fire apparatus with under carriage exhaust that operate in back-in mode
- Four stage filtration system, including a pre-filter (3-ply polyester construction), main media filter ("HEPA MAX 3000" or equivalent, high efficiency particulate air filter, tested for 0.3 micrometer sized particles to yield a minimum efficiency of up to 95%), and a gas-phase extractor (blended gas phase extractor, "MULTISORB 3000" or equivalent, 50/50 respirator grade with activated carbon granules for removal of high weight molecular gases within diesel exhaust and with potassium permanganate for removal of light weight molecular gases)
- Cabinet with welded steel construction (four adjustable airflow grills)
- Electrical components (at least ¾ H.P., 1725 RPM, 13.6 F.L. AMP, 115 Volt Single Phase Electric Motor, must be UL Listed with thermal protection and resilient mount)
- Blower
- Control Panel
- Activation Switches/Sensing Devices

Complete installation and demonstration of how to utilize the equipment is included as part of this Scope of Work. The Town will be responsible for obtaining any necessary permits. For informational purposes, the Fire Station has three (3) bays that are each two (2) vehicles deep.

SUBMITTALS:

1. Shop drawings and manufacturer's literature.

The selected Contractor shall be licensed and insured, provide a 50% payment bond IF the contract is greater than \$25,000, shall possess any required OSHA training, shall adhere to the attached Massachusetts Prevailing Wage Rates and shall follow all of the applicable provisions of M.G.L. c. 149.

Responses are due by 11:30 a.m. on Wednesday, September 19, 2018. Contractors may utilize their own price proposal format. Please submit to the following location:

Plympton Town House
Attn: Town Administrator's Office
5 Palmer Road
Plympton, MA 02367