## Summary of Work:

The Contractor shall provide all labor, materials, and equipment in order to remove and replace a failed fire pump driver/engine at the Armed Forces Reserve Center (AFRC) for the Louisiana Department of Military Affairs (DMA).

## Location:

8110 Innovation Park Drive

Baton Rouge, LA 70820

## Description of Work:

The current existing engine is a 175 horsepower Cummins model CFP7E-F10. The Contractor shall provide and install a diesel fire pump engine/driver that meets or exceeds the specifications of the existing diesel fire pump engine/driver.  The replacement shall be of design to properly align with the existing fire pump system. The Contractor shall redesign the existing components, fuel line, electrical conduit with wiring, and exhaust system to fit the new engine. The Contractor shall calibrate the existing fire pump controller to the new diesel engine, perform a fire pump test, and place the system back in service.

**Specify Brand/Model of engine bidding:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* 1. The Contractor shall remove the existing diesel engine/driver.
		1. The Contractor shall disconnect the engine/driver from the fire pump.
		2. The Contractor shall disconnect the engine/driver from the drive shaft.
		3. The Contractor shall disconnect the engine/driver from the fuel lines.
		4. The Contractor shall disconnect the engine/driver from all electrical lines and Fire Pump Controller.
		5. The Contractor shall disconnect from the exhaust system.
		6. The Contractor shall remove the engine/driver from the frame/cradle and from the pump house.
	2. The Contractor shall install the new diesel engine/driver.
		1. The Contractor shall install/connect the engine/driver from the fire pump.
		2. The Contractor shall install/connect the engine/driver from the drive shaft.
		3. The Contractor shall install/connect the engine/driver to the fuel lines.
		4. The Contractor shall install/connect the engine/driver to all electrical lines and Fire Pump Controller.
		5. The Contractor shall install/connect exhaust system and install new “flapper” cap on exhaust.
		6. The Contractor shall provide and install new batteries for the engine.
		7. The Contractor shall install altitude valves.
	3. The Contractor shall perform a fire pump test and place the system back into service.

## General Conditions:

* 1. The Contractor shall insure that all materials and equipment meet current AFPA regulations.
	2. The Contractor shall take all precautions necessary to prevent damages when making the repairs. All dust and trash shall be removed and area cleaned up by the Contractor after completing each area.
	3. The Contractor shall obtain written approval from the Point of Contact (POC) on all materials and equipment submittals prior to ordering and installation.

## Special Conditions:

* 1. Hours of Operation are Tuesday – Friday, 7:00 AM to 5:30 PM and closed on all recognized State and Federal holidays.
1. The Contractor shall contact the Agency prior to beginning of work and for inspection of satisfactory completion.
2. The Contractor shall provide a work schedule (bar chart) 48 hours prior to start of work detailing each task of work. The Contractor shall submit all material submittals and shop drawings (as required) for approval prior to ordering materials.
3. The Contractor shall provide a detailed schedule of values for approval prior to beginning any work and shall invoice for completed work using the approved schedule of values. Invoices for payment shall be submitted using an “AIA Application for Payment” format.
4. The Contractor must obtain authorization for storage location for any materials and/or equipment stored on site and being responsible for securing same.
5. The Contractor shall be responsible for all clean-up and debris removal daily. The Work area shall be kept clean at all times. The Contractor shall supply his own dumpster for debris and trash removal.
6. The Contractor shall supply all employees with PPE as required and/or necessary to perform the work and must comply with all SMD and Environmental, OSHA, NEC, Parish, City and State requirements and regulations as required.
7. The Point of Contact (POC) for the project is Chuck Finch, cell phone no. 985-205-7256 or email charles.g.finch.nfg@army.mil.