

BART Agreement Number: 6M8120

Approval Date: 05/01/2020

Work Plan No. C.03-02 – OMF Facility Diesel Exhaust Fluid System

Scope:

2.0 Scope of Services

Structural Analysis of Existing Overhead Utility Bridge:

The existing overhead utility bridge is the preferred routing of the DEF piping to fuel stations #3 and #4 which are on the far side of the fuel rack. A structural analysis should be performed to ensure the existing structure has the capacity to support the DEF line. Currently, the bridge supports existing piping as well as a life line system.

Structural Analysis and Design of Modifications to Fuel Rack Platforms:

One priority feature for Amtrak is the ability to fuel locomotives with both diesel and DEF simultaneously. To provide a clear space to safely do so, modifications must be made to the existing platforms adjacent to fuel stations #3 and #4. The platforms at these stations will be shortened and outfitted with new supports. Structural analysis will be performed to develop and provide a design for the required modifications.

Develop DEF delivery design independent of existing CWR Fuel System:

Amtrak has expressed their interest in a DEF system that does not rely on the existing system and CWR as the sole source. The new system and panel will be powered from an electrical source independent of the existing fuel system. Full integration and compatibility with the existing system shall be determined by the contractor during the construction bidding phase. Specifications will be written to accommodate design build of integration components including electrical and communication lines.

Prime: HNTB +FMG JV

Subconsultant	Amount	DBE (Y/N)	SBE (Y/N)
Blymyer Engineers	\$13,651	N	N

Total Work Plan Value: \$73,500