

BART Agreement Number: 6M8142

Approval Date: 04/12/24

Work Plan No. B.63-01 Electrical Engineering and Design Support

Scope:

The San Francisco Bay Area Rapid Transit District (BART) requires design engineering and administrative support services, with a requisite for experience in interpreting as-built drawings, contract documents, executing complex electrical engineering calculations, addressing Request for Information (RFI), Submittals, reviewing and preparing technical planning documents including Interim Operation Procedures (IOP), Site Specific Work Plans (SSWP), test plans, and commissioning. Responsibilities include:

1. Field Coordination
 - a. Perform field investigations to determine existing conditions and confirm equipment layout, routing, and terminations
 - b. Arrange meetings with design teams, stakeholders, management, and maintenance staff
2. Perform Power System Studies
 - a. Analyze load flow, short circuit, selective coordination, arc flash analysis, harmonics, motor protection, and grounding
3. Develop Contract Documents
 - a. Project Execution Plan
 - b. Risk Register
 - c. Contract Specifications
 - d. Engineer's Estimate
4. Develop Contract Drawings
 - a. Adhere to federal, state, local, state codes, and standards
 - b. Integrate BART Facilities Standards (BFS), Facility Design Criteria, and Design Review Check List

Prime: AECOM

Subconsultant	Amount	DBE (Y/N)	SBE (Y/N)
Auriga	\$ 368,899	Y	Y

Total Work Plan Value: \$ 396,315