

BART Agreement Number: 6M8149

Approval Date: 01/10/22

Work Plan No. B.18-01 – Berkeley Hills Tunnel Power Distribution System Replacement

Scope:

The San Francisco Bay Area Rapid Transit District (BART) requires professional engineering services to develop the design for replacement of aging power system equipment located at the BHT Ventilation Structure. BART will replace the following equipment:

A. EQUIPMENT REPLACEMENT

Equipment	Qty.	Location
Utility Service Transformer, 12kV, 225kVA	2	BHT Ventilation Structure Site
Utility Service Switchboard	1	BHT Ventilation Structure
Switchboard 'A'	1	BHT Ventilation Structure
Generator Receptacle	1	BHT Ventilation Structure
Automatic Transfer Switch	1	BHT Ventilation Structure
Lighting Panelboard	2	BHT Ventilation Structure

Note: Equipment quantity and dimensions to be field verified.

B. FIELD COORDINATION

- Conduct field investigations to determine existing conditions and confirm layout, routing, and tie-in points for electrical equipment and associated raceways.
- Coordinate and facilitate meetings with the design team, stakeholders, management, and maintenance staff.

C. PERFORM POWER SYSTEM STUDIES

- Perform Calculations / Develop Power System Monitoring and Control Scheme
 - ETAP Modeling and Calculations

Prime: WSP

Subconsultants: None

Total Work Plan Value: \$ 185,759