

BART Agreement Number: 6M8146

Approval Date: 03/20/25

Work B.45-01 Measure RR Traction Power Engineering Support - Principal Engineer

Scope:

1. Support design, installation and testing of High Voltage Switching stations (HVSS), Traction Power Substation (TPSS), and Cable systems.
2. Oversee, review, and approve the preparation of engineering designs, drawings, and specifications; support staff in coordinating work with other divisions and departments; and monitor the activities of engineering design staff for the assigned projects.
3. Coordinate with engineering and maintenance groups for corrective action to resolve problems.
4. Support field investigations/testing and provide field troubleshooting support to rectify problems that arise during testing.
5. Identify technical engineering issues and ensure compliance with District and industry engineering standards and contract specifications.
6. Ensure work quality and adherence to established BART policies and procedures, support the update of procedures, and guide staff in performing procedures.
7. Train and support assigned BART project engineers in TPSS and power distribution design and construction project activities.
8. Meet regularly with TPSS and power distribution Project Managers to assure assigned BART project engineers are meeting project schedule and budget. Work with assigned BART staff to correct deficiencies.
9. Prepare or review a variety of reports and correspondence as assigned.
10. Review and update the current BFS Review Process, lead the 2024 BFS updates, and work with TPE staff in assuring the timely update of all assigned BFS specs and BFS Standard Drawings.
11. Other related work as assigned.

Prime: Parsons Transportation Group

Subconsultants: None

Total Work Plan Value: \$ 139,978