

**BART Agreement Number:** 6M8148

**Approval Date:** 10/22/2020

**Work Plan:** No. A.01-04 – BART Legacy Train Control Room Power Upgrades and Switch Machine Power and Control Replacement

**Scope:**

**2.0 SERVICES TO BE PERFORMED BY CONSULTANT AND WORK BREAKDOWN STRUCTURE:**

All Tasks defined under A.01-01, A.01-02 and A.01-03 remain as previously defined except as modified herein. The Following Additional Tasks are to be added to Trend A.01.

**Task 1: Administration and Project Management added duration**

Due to tasks outlined herein, certain time related tasks are extended. These include:

- 1.1 Administration and Project Management
- 1.2 Document Control
- 1.3 Technical Coordination Meetings

**Task 2: Modifications to the 100% Design for IFB**

As the 100% Design progress, there has been added scope of work to the design. These modifications include:

- Revise R65 Design to include the Raceway on the R2 side.
- Add A77 Design to Enabling Works Design package
  - Coordinate with PGH Wong Design team and review of IFB Design.
- Site survey for final verification to locations as needed
- ROW Certification / Added Drawings
- Buy America Requirements for BART Specified Undercut Anchors (Hilti vs. DeWalt)
  - Coordinate with BART Structural Dept. with regards to anticipated ICC Report for Stainless Steel DeWalt Anchor
  - Revise calculation for the DeWalt Anchor and verify spacing of supports is still acceptable.
- Revise Contract Specification as needed.

**Task 3: Provide Design Services During the Pre-Bid Phase of Issuance of Conformed Contract**

- Provide support with all design related questions during pre-bid Contract review and pre-bid site surveys.
- Prepare and provide Addenda for any Contract Clarifications or design changes needed.
- Prepare and provide Conformed Contract Documents.

**Task 4: Quality Assurance / Quality Control**

The Design Quality Manager shall provide continuous quality control documentation in accordance with the approved Design Quality Management Plan (DQMP) for all new added scope and design in the contract package.

**Prime:** TY Lin + TSE JV

<b>Subconsultant</b>	<b>Amount</b>	<b>DBE (Y/N)</b>	<b>SBE (Y/N)</b>
OPAC	\$94,792	N	N
YEI Engineers	\$36,640	Y	Y
JMA	\$44,072	N	N

**Total Work Plan Value:** \$ 338,118