

BART Agreement Number: 6M8119

Approval Date: 12/19/17

Work Plan No. B.04 - K-Line/A-Line 34.5kV Cable Replacement & Fiber Optic Cable Installation KWS-ALM-ANA

Scope:

This Work Plan covers the final design and contract documents for the 34.5kV cables and Fiber Optic Cable Installation between **Washington St. (KWS)**, **Lake Merritt (ALM)** and **Nineteenth (ANA)** power substations for BART In-House Installation.

This is a continuing work plan that began under BART Agreement 6M8069 and included the following items of work:

- Design for the Two 34.5kV cable circuits (ALC and ARC) replacement.
- Design assumption will be to replace existing 34.5kV cables one circuit at a time. The construction sequence will be to remove one circuit, then, install the new cables for that circuit and put the circuit in service. Then do the same thing with the other circuit.
- The routing and mounting of the new cables passing through the Lake Merritt (ALM) station platform area will be through the middle of the platform ceiling.
- Site field surveys and verifications are needed due to the Items above.
- Design will include the installation of fiber optic cables, conduits, and associated fiber entrance cabinet at each substation. Furthermore, it will include the design and installation of the IDS equipment.
- Research As-Built drawings for the substations and associated cable routing at the wayside/tracksides.

This work plan completes the work that began in the previous agreement.

Prime: AECOM/TSE

Subconsultant	Amount	DBE (Y/N)	SBE (Y/N)
SAE	\$29,665	Y	Y
M Lee	\$26,315	Y	Y
WRECO	\$55,080	Y	Y

Work Plan Value: \$300,594