

**BART Agreement Number: 6M8124**

**Approval Date: 5/29/18**

**Work Plan No. B.08-02 - 34.5 kV Cable Replacement and Fiber Optic Cable Installations along A and R Lines**

**Scope:**

WSP and our subconsultants are providing design for the replacement of BART's existing 34.5 kV AC subtransmission cables located within the transit system right-of-way for A line between Coliseum and Union City station, and for R line between Ashby station and Richmond Yard. The scope of services includes design, preparation of contract documents and bid support for the removal and replacement of 34.5 kV left and right cables between substations, installation of fiber optic cables from train control room to control room, and installation of disconnect switches.

The goal of this project is to provide redundancy and improve reliability of the 34.5kV distribution network along the A and R Lines. The existing circuits are beyond their useful life and could be lost at any time, thereby removing redundancy throughout these lines.

Through phone conversations and email discussions between Gordon Wong and WSP, the District has requested WSP to include additional 2 Isolation Disconnect Switches (IDS) at LAA gap breaker station, and 2 additional IDSs at the future AHM substation site. In addition to the IDS installations, the District has also requested design for the demolition of the San Leandro (ASL) substation AC Switchgear house to be included with Work Plan B.08.

**Prime:** WSP

<b>Subconsultant</b>	<b>Amount</b>	<b>DBE (Y/N)</b>	<b>SBE (Y/N)</b>
Bess Testlab	\$5,740	Y	Y
JMA	\$3,956	N	Y
OPAC	\$30,107	Y	Y

**Work Plan Value:** \$77,351