

BART Agreement Number: 6M8149

Approval Date: 07/24/2020

Work Plan No. B.08-02 – Amendment No. 1 to Work Plan Proposal No. B.08 - Post-IFB Services

Scope:

The goal of this project is to provide redundancy and improve reliability of the 34.5 kV distribution network along the A and R Lines, by replacing the existing 34.5 kV cables with Ethylene Propylene Rubber (EPR) cables; and to install fiber optic cable between train control rooms, for use with the upcoming fiber-based emergency and transfer trip system and to provide additional capacity for a variety of District needs.

In October 2017, under BART GES Agreement 6M8124, the WSP team was engaged to design, prepare contract documents, and provide 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 train control room, and installation of isolation disconnect switches (IDSs) at certain substations, along the A and R Lines: between Coliseum Substation (ACO) and Union City Substation (AUC), and for R line between Ashby Substation (ASH) and Richmond Yard Substation (RRY). Signed issued for bid (IFB) documents were submitted in September 2019 for A line, signed IFB documents were submitted in November 2019 for R line, and Addendum No. 3 to A line documents were submitted in December 2019.

After submission of IFB documents for the A line project, the District continued to engage WSP in reviews on the IFB documents along with continued review comments on the Surge Arrestor designs. While both A and R line projects have been advertised for bids, there have been substantial changes via addenda to A line, and we anticipate similar changes to the R line package. The following work has continued beyond the original scope or has been added since this original work plan was submitted on November 12, 2019:

- 2.2 Continued development of isolation ground splice surge arrestors details, and revising single line diagrams and table of routes
- 2.4 Miscellaneous changes and time attending meetings to discuss CM comments on A line IFB and Addendum documents
- 2.4 Respond to Additional CM comments and update R line contract documents via addendum. Update applicable A line drawings as necessary
- 2.4 Add raceway tags to layout sheets and provide summary splice and pullbox schedule for R line In-house and Contract package
- 2.5 Additional time managing the project, other consultants, and coordinating with BART for an extended period from Dec 1, 2019 to April 30, 2020
- 2.6 Create civil cross sections for A and R line using topo data provided by the District, and update existing C, TP, and S drawings, specifications, and bid quantities
- 2.7 Responding to Bidder questions for an extended bid period, assuming the bid period is extended from Dec 1, 2019 to April 30, 2020

Prime: WSP

Subconsultant	Amount	DBE (Y/N)	SBE (Y/N)
OPAC	\$ 19,591	Y	Y
JMA Civil	\$ 163,038	N	Y
SEM	\$ 11,641	N	Y
SPS	\$ 27,655	Y	Y

Total Work Plan Value: \$ 732,064