

BART Agreement Number: 6M8147

Approval Date: 8/26/19

**Work Plan No. A.04-01 – BART Embarcadero Station New Platform Elevator
Final Design & DSDC**

Scope:

The Scope of Work includes assisting BART with the completion of Contract Drawings, Specifications, and other Contract Documents and bid support as required for the following:

- a) Demolition of existing stairs and installation a new elevator on the east end (BART North) of Embarcadero Station from the Concourse Level to the BART Platform.
- b) Construction of a new machine room on the Concourse Level adjacent to the new elevator hoistway.
- c) Construction of new staircase behind the new elevator with connection to the MUNI platform Level for keyed emergency only exit from the Muni Platform Level to the Concourse Level.
- d) Modification of the existing platform elevator to limit its use to Muni operations between the Concourse Level and the Muni Platform Level except for special circumstances when BART grants access to the BART Platform Level. The elevator machine room serving this elevator will be relocated closer to the elevator hoistway.
- e) Relocating an existing San Francisco Fire Department equipment storage enclosure to the east end of the platform integrated into the new staircase on the east end of the platform.
- f) Demolition of existing stairs on the west end (BART South) and reconstruction of new staircase in compliance with current code required minimum stair exit width of 44 inches.
- g) Construction of new staircase adjacent to the existing platform elevator on the east side (BART North) to provide pedestrian access from the Concourse Level to the Muni Platform Level.
- h) Construction of new platform edge safety barrier fence along the access to the new elevator on the MUNI Platform Level.
- i) Modification of the existing station directional signage, as applicable, to provide direction to the new elevator and staircase locations.

Resources to be used and evaluated include APTA Standards as modified by BART requirements with suggested deviations from BART's Facility Standards Revision 3.1.2, April, 2018.

Scope of Work will also include provision of DSDC of design elements including Architectural, Electrical, Communications, Mechanical, Plumbing, Fire Protection and Vertical Transportation Specialty Items. Specific scope elements during 'Final Design' include the following:

- a) Meetings: Coordinate, attend, and document scoping, design review, and other meetings as required
- b) Contract Drawing, Specifications, Bid Forms and other Contract Documents necessary for a package for advertisement and addenda as necessary
- c) Identification of potential laydown areas
- d) Development of potential Phasing Plan
- e) Review of construction schedule
- f) Preparation of cost estimate
- g) Performing Quality Assurance
- h) Other design related services

Specific scope elements during DSDC include the following:

- a) Design coordination and support for construction
- b) Submittal Review
- c) RFI Response
- d) Change Review and support with drawing and specification changes
- e) Field visits and inspections as required to understand construction/design issues
- f) Assistance with resolution of design/construction conflicts as encountered
- g) Preparation of As-Built drawings in CADD
- h) Other services as requested or required to support construction completion

Prime: PGH Wong Engineering, Inc.

Subconsultant	Amount	DBE (Y/N)	SBE (Y/N)
Verticle Transportation Excellence (VTX)	\$322,412	N	N
FW Associates, Inc.	\$159,494	Y	Y
AMC Consulting Engineers, Inc.	\$233,301	Y	Y

Total Work Plan Value: \$1,287,393