

Work Plan No.: A.06-02 - BART Warm Springs Extension Irvington Station Final Design Amendment #2

Scope:

2.0 SCOPE OF WORK

The Scope of Work (SOW) for the Project consists of the continued Final Design for the Irvington Infill Station and the Gallegos Winery Park which includes the following:

- (a) Remove trees obstructing the Gallegos winery ruins so that the wall can be properly assessed.
- (b) Use GPR and ER scan for anomalies behind the Gallegos winery walls.
- (c) Perform borings to investigate anomalies discovered behind the Gallegos winery walls.
- (d) Perform an ALTA survey of the Gallegos site.
- (e) Reconfiguration of station to meet evolving understanding of BART needs, including adding HVAC to unassigned rooms so they can be used as offices.
- (f) Reconfiguration of station concourse and multiple iterations of the fire dynamic simulation in order to meet open station requirements.
- (g) Perform wind scenarios as part of the fire dynamic simulation.

- (h) Develop solutions to address currently known obsolescence issues with existing infrastructure as well as changing technologies and BART standards/requirements, including the Unified Optical Network, fare collection equipment, UPS requirements/configuration, CBTC needs, and remote control of overhead coiling grilles.
- (i) Perform “what-if” scenarios to determine the design approach that most effectively balances construction efficiency, cost and schedule with operation impacts.
- (j) Use the BART Design Checklist implemented in early 2021.
- (k) Design the shoring along the trackway.
- (l) Re-design restrooms to have an “airport-style” configuration to align with BART’s new approach regarding restrooms.
- (m) Accommodate space provisions for digital railway cabinets (BART WiFi components to be installed by others).
- (n) Add a stormwater pump to convey water west of the BART tracks to the treatment area east of the BART tracks.
- (o) Keep City and BART storm drainage separate.
- (p) Re-design for second PG&E feed, if confirmed to be available.
- (q) Gallegos pathway reconfiguration to not underground the swale.
- (r) Add pathway lighting as required by the City of Fremont.
- (s) Modify landscaping/stormwater treatment along Osgood to align with the City of Fremont’s current improvements project at the Osgood/Washington intersection.
- (t) Incorporate the updated BART standard signage anticipated to be released in 2022.
- (u) Additional tasks as assigned.

Prime: PGH Wong Engineering, Inc.

Subconsultant	Amount	DBE (Y/N)	SBE (Y/N)
AMC – Structural	\$175,000	Y	Y

Work Plan Value: \$893,148