

BART Agreement Number: 6M8149

Approval Date: 11/21/23

Work Plan No. A.04-03 Dublin/Pleasanton Access Improvements Add'l Design & Bidding Services

Scope:

The Scope of Services related to this work plan includes the following tasks:

2.1 PROJECT MANAGEMENT

This task includes the contract administration, design coordination, and team meetings to complete the scope of this Work Plan.

Deliverables for Task 2.1 include:

- Bi-weekly meeting agendas and meeting minutes.
- Invoices (including detailed monthly progress reports).
- Design schedule to be tracked during each bi-weekly project meeting (and updated if necessary).
- QC/QA implementation for each of the Work Plan's deliverables

2.2 FIELD VISITS AND UTILITY INVESTIGATION

This task is for up to 3 field visits with the BART Construction Project Manager and relevant stakeholders to answer any questions regarding the design work completed to date.

Additional field verification of design items will be included in this task. This may include underground utility locating and detection using potholing (vacuum excavation) and GPR (ground penetrating radar) as necessary.

Deliverables for Task 2.2 include:

- Memorandum documenting observations made, items discussed, decisions made, and action items; one per field visit.
- Review of as-built utility drawings and available information to determine if underground utility locating is required.

- Memorandum documenting underground utility conflicts with updates to the design documents as necessary.
- Updates to the design documents because of new field conditions or underground utility conflicts will be submitted with Task 2.4 – Final (100%) Design Documents.

2.3 DESIGN SERVICES RELATED TO FEDERAL FUNDING REQUIREMENTS

This task is for the design team to review the project's FTA Master Agreement and any contractual requirements including Buy America clauses. The design team will then review the Contract Documents to ensure they align with the funding requirements and substitute any specifications or design elements to conform with Buy America products and materials as needed.

Deliverables for Task 2.3 Include:

- Memorandum identifying revisions required due to the FTA Master Agreement including a list of materials and products identified and substituted.
- Updates to the design documents due to Federal funding requirements will be submitted with deliverables for Task 2.4 - Final (100%) Design Documents.

2.4 FINAL (100%) DESIGN DOCUMENTS

This task is the preparation of the Final (100%) Design Documents. Modifications from the 95% design documents will include the following:

- Modifications from 95% Design Submittal Comment Resolution (this included additional comments from BART Construction PM, Communications Engineering, Constructability Team, and other previously missing SMEs and external stakeholders).
- Modifications from Task 2.2 – Field Visits and Site Investigations.
- Modifications from Task 2.3 – Design Services Related to Federal Funding Agreements.
- Modifications following completion of additional survey work (conducted under separate Work Plan) and changes resulting from Right-of-way certification with BART Real Estate.
- Modifications following completion of geotechnical analysis (conducted under separate Work Plan).
- Modification of wayfinding/signage, bike parking, and civil design (i.e. curb alignment, striping on Owens Dr) under direction of the BART Project Manager.
- Modifications as a result of up to two BART stakeholder workshop “page-turn” design reviews.

Deliverables for Task 2.4 Include:

- Updated 95% Comment Resolution Form – including documentation from up to two design review “page-turn” workshops
- Right-of-way certification
- 100% Plans, Specifications
- 100% Cost Estimate with Schedule
- 100% Calculations

2.5 IFB DESIGN DOCUMENTS

This task is the preparation of the IFB Design Documents. Additional modifications from the 100% design documents will include the following:

- Modifications from 100% Design Submittal Comment Resolution (this Work Plan Proposal assumes no additional stakeholders will be added between 100% design and IFB)
- Modifications as a result of BART stakeholder workshop "page-turn" design review.

Deliverables for Task 2.5 Include:

- Updated 100% Comment Resolution Form – including documentation from additional design review "page-turn" workshop.
 - Final verification with signoff from BART stakeholders of all Design Comments
- IFB Plans, Specifications (conformed set)
- IFB Cost Estimate with Schedule
- IFB Calculations
- Design Safety and Security Certification as required by BART System Safety

2.6 BID SUPPORT

This task will be for all the design related activities needed to support the bid process, these include activities such as:

- Pre-bid meeting presentation
- Bidder's Job Walk
- Amendments and modifications required to design plans, specifications, and estimate through the bidding process with review by BART Legal and OCR (Office of Civil Rights)

2.7 CONTINGENCY

This includes any additional tasks to be exercised only under the explicit direction of the BART Project Manager.

Prime: WSP USA Inc.

Subconsultant	Amount	DBE (Y/N)	SBE (Y/N)
Bess Test Lab, Inc.	\$ 20,114	Y	Y
Merrill Morris Partners	\$ 62,219	Y	Y

Total Work Plan Value: \$ 607,659