

BART Agreement Number: 6M8149

Approval Date: 11/18/2021

Work Plan No.: B.08-04 - DSDC Services

Scope:

2 SCOPE OF SERVICES AND WORK BREAKDOWN STRUCTURE

The Scope of Services includes the following:

2.1 CONTINUED ENGINEERING SERVICES FOR R LINE CONSTRUCTION

Provide as-needed Design Services During Construction, fabrication of all design elements, and support for the CM team/BART PM in managing and administering Contract through project closeout including the following tasks:

1. Respond to requests for information (RFI's) as directed by the CM team/BART PM.
2. Review submittals typically within 10 working days of receiving the submittals, or as directed by the CM team/BART PM.
3. Attend construction meetings onsite or via teleconference as requested by the CM team/BART PM.
4. Attend site visits to observe equipment testing and critical construction activities, conduct field investigations and as requested by the CM team/BART PM.
5. Support the CM team/BART PM in preparing change notices by providing new and/or revised signed documents (specifications, drawings, sketches, etc.) and cost estimates. Provide a time estimate

indicating when the supporting documents and estimates will be completed within 7 working days of being notified of the change.

6. Support the CM team/BART PM in preparing punch lists during Final Inspection as needed.
7. When requested, assist in the review of Potential Claims and Claims
8. Support the CM team with coordination and document control as needed.
9. Develop As-Built drawings in CADD format from the Contractor's final Record Drawings; format shall conform to BART's standard CADD requirements.
10. Provide design survey to confirm cross-section within portion of the corridor as noted below.

The project will include the collection of mobile terrestrial LiDAR (MTLS) along the project corridor for Segments as follows:

- Station 1532+00 to 1592+00. Mapping will be on the southwest side of the rail corridor and will be focused on the area from the edge of tracks to 15 feet beyond the tracks or right of way fence.
- Station 1609+00 to 1618+50. Mapping will be on the northeast side of the rail corridor and will be focused on the area from the edge of the tracks to 15 feet beyond the tracks or right of way fence.
- Station 1630+00 to 1635+00. Mapping will be on the northeast side of the rail corridor and will be focused on the area from the edge of the tracks to 15 feet beyond the tracks or right of way fence.

Prepare topographic mapping to supplement the LiDAR mapping at the following locations:

- Bridge Abutments at Station 1625+00
- Bridge Abutment A-381 located at 1609+75
- Bridge Abutment A-355 located at 1561+00
- Supplemental mapping between stations 1537+00 to 1542+00

Note:

The area will need to be clear of machinery brush or other items that will lead to interference, the LiDAR scan will not obtain information that is beyond the line of sight or obscured.

11. Other duties and design service as identified by the CM team and BART.

ASSUMPTIONS/EXCEPTIONS

- The level of effort is based on what can be reasonably anticipated for typical construction projects. Major design changes outside the contract limits or relating impacts from other BART projects are not included.
- Except as may otherwise be provided in the Contract Documents or when direct communications have been specifically authorized, WSP shall only communicate with the Contractor through the Resident Engineer
- In no event shall WSP make any directive or communication to the construction Contractor that will affect the means or methods, time, cost or quality of construction.
- Work will be done on a night shift and work will be on a weekend shift.

Prime: WSP USA Inc.

Subconsultant	Amount	DBE (Y/N)	SBE (Y/N)
SPS Inc.	\$461,897	Y	Y
Cinquino & Passerino	\$72,872	N	N

Work Plan Value: \$1,757,490