

BART Agreement Number: 6M8209

Approval Date: 02/04/26

Work Plan A.06-02 Design Support for 34.5 kV RACEWAY INSTALLATION K-LINE (KTT TO KMA)

Scope:

The Consultant shall provide the following scope of services:

Task 1: Project Management and Project Administration

The following tasks describe the scope of work required to manage and administer the project.

Subtask 1.1 - Management and Administration

The Consultant Project Manager will perform the following activities in support of the project:

- Supervise and coordinate workplan activities
- Workplan communications/meetings/record keeping
- Workplan progress reporting

The Consultant Project Manager will be responsible for making sure the Consultant's Design Team follows the Project Management Plan (PMP) and Quality Management Plan (QMP) established for this Contract for the purposes of documenting policies, procedures, and responsibilities throughout the life of the work plan.

It is anticipated that work plan administration will include the following items:

- Invoices and monthly progress reports
- Work progress reporting
- Highlight of significant issues requiring resolution
- Financial reporting/tracking

Subtask 1.2 - Document Control

Documents and electronic files, CAD drawings, transmittal forms, letters, correspondence, and other miscellaneous documents will be managed using ProjectWise, SharePoint and/or other appropriate formats.

Task 2: Completion of Contract Documents for Contract Change Order

Consultant shall provide design services to revise and complete existing contract plans, specifications, cost estimate and construction schedule changing the proposed construction

from BART in-house forces to an existing 3rd party contractor via a contract change order.

1. Update and complete drawings and specifications to issue as a signed/sealed construction contract.
2. Review and refine contractor work hours, BART support needed, and other contract requirements, especially regarding adjacent BART projects.
3. Compile 50%, 95%, and 100% design review comments and responses
4. Respond to additional BART design and constructability comments.
5. Update construction cost estimate.
6. Update construction schedule.
7. QA/QC verification is included for all deliverables

Task 3: As-Requested Design Revisions

Consultant will provide full design capabilities for design modifications based on differing or changing site conditions, issues with constructability, or preference of BART engineering / maintenance forces. These efforts include potential global (project-wide) change requests, and more significant changes that may require revised signed and sealed engineering drawings, specifications, and/or calculations. These as-requested changes will be upon approval of the project manager and reviewed by BART engineering before being released to field engineering / contractor.

It is assumed that changes will be a collaboration of all parties and may require additional site visits. Exact scope and delivery of design revisions shall be outlined in the requests from BART field engineering, BART maintenance, or BART engineering/management.

1. **Revise Drawings:** Consultant will revise Contract Drawings to reflect the agreed upon alternative design.
2. **Revise Specifications:** Consultant will revise Contract Specifications to reflect the agreed upon alternative design.
3. Revised construction cost estimates can be prepared upon request by BART.
4. Support for Operations Planning / Interface (Coordination Plan for Operations, Schedule for work windows, Requirements for track outages, service interruptions, bus bridges)
5. Update design to incorporate changes to project interfaces with BART TCCCP EB Substation Project, KTF Substation.
6. QA/QC verification is included for all deliverables.

Clarifications / Exclusions

- a) This workplan is based on level-of-effort and BART's project manager will direct HNTB activities related to additional design changes, support for operations planning and project interface planning. \$75,000 (approximately 25% of the budget) is set aside for BART directed design changes including incorporation of and modification to the interface with TCCCP EB 34.5kV work and KTF substation.
- b) Workplan schedule assumes no major design revisions. As-requested design revisions may require additional time to complete based on complexity, information/survey required, and other external factors including time for additional BART stakeholder reviews.
- c) This workplan excludes engineering design support during construction (RFI/Submittal

reviews/responses, design changes during construction, etc).

- d) This workplan excludes support for construction contract negotiations.
- e) Workplan assumes one round of BART over-the-shoulder review (up to 10 days) of an in-progress set of plans and specifications. HNTB will provide responses to comments and update plans/specifications. Final signatures to be applied after resolution of comments.
- f) Construction Cost Estimate and Construction Schedule will be delivered 2 weeks after completion of plans and specifications.
- g) 40-hour RWP training and certification are excluded since all field work will be accompanied by RWP certified BART EIC and additional RWP certified staff.
- h) Work may include site visits during nights and weekends. BART must notify of a cancellation at least 24 hours in advance or time may be charged to the workplan for the cancelled shift.
- i) Workplan assumes up to two site visits to K-Line trackway, and one site visit to KTT / KMA.
- j) Signatures to be applied digitally on all contract documents.
- k) No hardcopy printed sets are included in this workplan.
- l) Project was designed using BFS 3.1.2, dated April 2018 and will not be revised to use the latest version of BFS.

Prime: HNTB-FMG JV

Subconsultants: None.

Total Work Plan Value: \$ 300,099