

BART Agreement Number: 6M8148

Approval Date: 9/03/19

Work Plan No. B.06-01 Senior Civil for BART M&E Group

Scope:

The Consultant is to provide a Senior Civil Engineer for approximately 40 hours/week. The Senior Engineer will work on civil engineering projects for a six-month period starting July 2019 thru December 2019. The Senior Civil Engineer will be located at 300 Lakeside Drive, Oakland, CA unless otherwise directed by the District. Variable shifts, including nights and weekends, may be required.

Specific duties and responsibilities for the Senior Civil Engineer shall include, but not be limited to, the following:

- a. Performs advanced civil engineering duties in the preparation of engineering design plans and specifications for the District's tracks, access roads, parking lots, drainage and other.
- b. Performs engineering design calculations; prepares engineering design drawings and specifications, calculations, and construction cost estimates; provides design support during construction.
- c. Inspects equipment or facility; analyzes and provides recommendations for engineering solutions, repairs, modifications or maintenance.
- d. Reviews and responds to engineering submittals, drawings and specifications prepared by outside agencies for construction projects adjacent to District facilities.
- e. Prepares and coordinates the preparation of construction feasibility studies and cost estimates; defines scope and develops conceptual plans; prepares civil engineering design project proposals for management review and approval.
- f. Provides assistance in obtaining outside consultant services; schedules consultant proposal submissions; participates in evaluation of consultant proposals.
- g. Reviews contractor submittals for conformance to drawings and specifications; interprets plans and specifications for construction staff; prepares and directs design contract revisions and change orders.
- h. Initiates and evaluates design and field environment changes during construction; takes field measurements of completed work; inspects construction at substantial and final completion stages.
- i. Prepares engineering reports, manuals, and other correspondence related to work activities.
- j. Provides engineering guidance to lower level staff in their areas of work including civil engineering design methods, procedures and techniques.
- k. Participates in the preparation and administration of the engineering construction program budget; submits budget recommendations; monitors expenditures.
- l. Prepares analytical and statistical reports on operations and activities.
- m. Attends and participates in professional group meetings; stays abreast of new trends and innovations in the field of civil engineering.

- n. As assigned, conducts field inspections, site investigations and field materials testing duties.
- o. Requires maintaining physical condition to walk, stand, or sit for prolonged periods of time.

Prime: TY Lin International + TSE (JV)

Subconsultant	Amount	DBE (Y/N)	SBE (Y/N)
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Total Work Plan Value: \$200,856