

BART Agreement Number: 6M8148

Approval Date: 08/25/22

Work Plan No. B.27-01 Senior Civil Engineer Support

Scope:

The Consultant is to provide a Senior Civil Engineer for approximately 40 hours/week. Specific duties and responsibilities shall include the following:

- a. Perform civil engineering duties in the preparation of engineering design plans and specifications.
- b. Perform engineering design calculations; prepare engineering design drawings and specifications, calculations, and construction cost estimates; and provide design support during construction.
- c. Inspect equipment or facility; analyze and provide recommendations for engineering solutions, repairs, modifications, or maintenance.
- d. Review and respond to engineering submittals, drawings and specifications prepared by outside agencies for construction projects adjacent to District facilities.
- e. Prepare and coordinate the preparation of construction feasibility studies and cost estimates; define scope and develop conceptual plans; prepare civil engineering design project proposals for management review and approval.
- f. Review contractor submittals for conformance to drawings and specifications; interpret plans and specifications; prepare and direct needed design contract revisions and change orders.
- g. Initiate and evaluate design and field environment changes during construction; take field measurements of completed work; inspect construction at substantial and final completion stages.
- h. Prepare engineering reports, manuals, and other correspondence relate to work activities.
- i. As assigned, conduct field inspections, site investigations and field materials testing duties.

Prime: TY LIN - TSE, JV

Subconsultants: None

Total Work Plan Value: \$330,110