

BART Agreement Number: 6M8148

Approval Date: 07/01/21

Work Plan No. B.20-01-Sr Civil Engineers

2.0 SERVICES TO BE PERFORMED BY CONSULTANT AND WORK BREAKDOWN STRUCTURE:

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

- a. Perform 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. 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 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 related 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: \$ 727,997