

**Work Plan No. A.12-01 – BART Earthquake Safety Program - Transbay Tube Seismic Retrofit**

**Scope:**

The detailed scope and tasks are as follows:

Task 1 – Review shop drawings that have been submitted to date to determine what additional drawings are required to be submitted to enable the installation of all pump station related monitoring and control panels and interconnecting cabling to proceed prior to installation verification testing. Review and provide comments on all future monitoring and control shop drawings and the final as-built drawings.

Task 2 – Review all field test procedures and test reports related to pump station monitoring and control system commissioning.

Task 3 – Define BART’s scope of work following the completion of the local pump station functional testing and the completion of the OEG contract. Some new drawings may need to be prepared by TSE to clarify the specific tasks that will need to be performed by BART. Please note; feedback from BART regarding the current configuration of the switches in the existing SICs is needed. Updates have been performed since the contract design was completed.

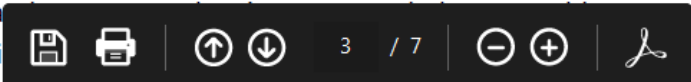
Task 4 – Prepare and maintain a systems interface matrix that identifies the sequence of activities and prerequisites for the new pump commissioning, existing pump removal where applicable, BART activities related to network connectivity to SFTS and OEG followed by additional configuration of the MACS PLCs, associated HMIs and transmission of pump status and alarms to the OCC once the OEG contract is completed and accepted.

Task 5 – Provide coordination with internal BART stakeholders such as BART Communications and BART Computer System Engineering as required.

Task 6 – Participate in coordination meetings with BART as required.

Task 7 – Respond to Requests for Information (RFIs)

TSE will review and respond to Contractor’s Request for Information (RFIs). Review and response of RFIs includes effort needed to develop design calculations, perform quality control calculation review, a complete response. Consultant should indi



All efforts will be made to review RFIs in a timely manner with seven (7) calendar days (excluding holidays) as the general targeted review time. Depending on impact of RFI response on Construction Schedule, BART may request an expedited review sooner than seven (7)

calendar days. When targeted review times are not able to be met, they will be communicated with BART.

**Task 8 -- Task 04: Generate Change Notice Drawings and Specifications**

TSE will revise Contract Drawings and/or Contract Specifications and/or assist in the preparation of Change Notice Documents, as needed, to address Differing Site Conditions (DSCs) encountered in the field or as requested by the BART PE. BART may also request Change Notices due to changes in revenue operations and safety policies and practices that alter how the work can be executed in the field. Consultant shall also prepare, compile, and furnish to BART calculations supporting the Change Notice Drawings and Specifications. Calculations shall be prepared and compiled per the BART Earthquake Safety Program standard format.

**Prime:** TY Lin + TSE JV

**Subconsultant:** None

**Total Work Plan Value:** \$ 481,340