

**Work Plan No. A.01-03 09AU-120: Construction Contract Close-out Support**

**Scope:**

The Scope of Services is to provide Construction Contract Closeout Support. Specific activities from the previous workplan include the following:

**2.1 TASK 01: OPERATION AND MAINTENANCE MANUAL DEVELOPMENT**

Facilitate completion of Operation and Maintenance (O&M) Manuals for new TBT Pump System. Coordinate between Mechanical, Electrical, and Communication disciplines to ensure O&M Manuals are consistent with the actual built system. Distribute to District Maintenance and Engineering (BME) departments for review and comment. Ensure that comments from all stakeholders, including Project Team and BME are addressed and closed.

**2.2 TASK 02: RECORD DRAWINGS**

Transfer of Contractor supplied redline as-built drawing mark-ups into CAD format. CAD files shall conform to BART CAD Standards Manual Revision 03 dated 12/01/2020. Provide engineering support to CAD Technicians to ensure proper transfer of Contractor redline as-built mark-ups to CAD as needed.

**2.3 TASK 03: DESIGN SERVICES DURING CONSTRUCTION**

Review Contractor furnished submittals, shop drawings, and product data to assure conformance to Contract Document requirements. Respond to Contractor Request for Information (RFIs). Generate Change Notice Drawings and Specifications as needed to address conflicts due to unforeseen field conditions. Provide engineering support for testing and commissioning activities for interfaces with Contract 09EK-130A Oakland Emergency Generator (OEG). Specific tasks include:

- Confirm TBT pump staggered start settings are compatible with final OEG configuration.
- Confirm TBT pumps achieve expected performance at completion of OEG construction.
- Complete communication connection between TBT Pumps and Operation Control Center (OCC) through OEG Monitoring and Control System (MACS) system.

**2.4 TASK 04: MANAGEMENT OF CONSTRUCTION CONTRACT CLOSE-OUT SCOPE AND TASKS**

Provide appropriate resources to perform tasks above. Manage resources to perform tasks on schedule and within approved budget. Work shall be tracked based on the tasks listed in this Work Plan. WSP shall include in their monthly invoice a narrative summarizing the active and completed Workplan tasks.

**2.5 TASK 05: FIELD ACTIVITIES**

Provide on-site engineering support. Field visits will be made to witness pump station commissioning activities, participate in preliminary and final punch list walkthroughs for the pump system, and attend the Contractor's training sessions on pump system operation and maintenance.

**2.6 TRAVEL**

The on-site support of Task 05 above will require travel to and from site. The maximum number of site visits to support Task 05 is assumed to be (2) two. A not-to-exceed cost for this travel is given in the form 60 of this proposal.

**ASSUMPTIONS/EXCEPTIONS**

- The effort and cost associated with Task 03 is assumed to be covered by the remaining budget in prior work plan 6M8149 - A.02-02.
- Cost estimating, scheduling and construction inspections are specifically excluded from this Scope of Services.

Additional scope identified since the A-01-02 workplan is indicated below.

**2.7 UPDATING DESIGN CALCULATIONS FOR FORMAL SUBMISSION**

Provide updated design calculations for the following two calculations: 1) Pump Station 2-5 sump cover design calculations as a result of a significant change in the design of the sump cover and 2) Calculation package for a pipe support that was added to the design during construction.

**Prime: WSP**

<b>Subconsultant</b>	<b>Amount</b>	<b>DBE (Y/N)</b>	<b>SBE (Y/N)</b>
AMC	\$ 18,275	N	N

**Total Work Plan Value: \$ 129,046**