

BART Agreement Number: 6M8148

Approval Date: 11/28/22

Work Plan No. A.18-01 CBTC - BART CSE Support for CAS and ATS/ICS Support

Scope:

BART is seeking the assistance of a Consultant(s) to support the Computer Systems Engineering Division's (CSE) efforts to modularize for 400 hours 49GH004, modernize and integrate its systems, as part of an overall Digital Transformation strategy. The Operations Control Center (OCC) uses these systems to safely manage BART train services and keep riders up to date when there are service changes. Maintenance departments are increasingly reliant on these systems to improve maintenance efficiency through data-driven predictive and root cause analytics. Engineering and planning divisions are also increasingly relying on data from CSE systems as well.

This part-time Senior Engineer work plan will document business workflow and create user manuals to support the Clearance Authorization System project. This position will also update the CBTC interface diagrams and assist with CSE-supported systems functional overview diagram updates. This work supports the District's Digital Transformation strategy – initially developed to manage the impact to BART's many in-house applications that rely on train data that will be impacted by the CBTC project, and now expanding to correlate operations actions and systems events.

The scope of this work plan is for process engineering and engineering support services that will enable the CSE development teams to meet its demanding schedule of deliverables.

Prime: TY LIN - TSE, JV

Subconsultants: None

Total Work Plan Value: \$39,387