

**BART Agreement Number: 6M8169**

**Approval Date: 04/10/24**

**Revised: 08/23/24**

**Revised: 07/27/25**

**Revised: 10/31/25**

**Revised: 01/21/26**

## **Work Plan No. A.04-01 Systra DSDC for 12 Months June 01, 2024 to May 31, 2025**

### **Scope:**

Systra will be responsible for providing Design Support During Construction Services for the CBTC Contract 49GH-110 for the Period of July 1, 2024 to June 30, 2025. The scope of work includes tasks as listed below:

1. DSDC services in support of completion of FDR and MDR in this 12 Month period using guidelines as established in the latest edition of the BART DB Oversight Manual.
2. Coordination with the District's various departments occupying or responsible for the affected Assets (RS&S, Training, Train Control Engineering, Train Control Maint, Communication Engineering, Comm Maint, CSE, BART Project Management, Transportation Planning, Maximo, OCC, Safety, MIMI Bolaffi, Yard & Mainline Transportation, OCIO, Computer Engineering Maint. Track and Structures), with Working Groups and with Hitachi Rail.
3. Conduct and attend regular and special meetings, as required.
4. Review Final Design 375 CDRLs, Migration Specific Design (ATS 210 CDRLs), (Test Track 120 CDRLs), Gaps (68 CDRLs) during this project stage.
5. Utilizing and updating the OMS Project Management Software database system (aka DOORS)
6. Review the Integrated Schedule for project managed by M&E that includes design and construction and all District activities and ties to predecessor and successor activities
7. Support the review Invoices, Change Notice and Change Order input and review. Small Business%. Review RFI, RAM, Design Changes During Construction, Requirements and Traceability, Safety and Security Committee Meeting (SSMP), Vehicle Interface Design and Change Order support, Vehicle PDR & FDR CDRL Risk Register Support, HMC Design Reviews, Broken Rail Support
8. After Final Design and Gaps are closed Parsons & Systra Engineering staff will be reduced and some support will be shifted to Deployment Testing and Commissioning.

### **3.0 Quality Assurance / Quality Control Procedure**

Consultants to follow the CBTC QAP – Revision 0 dated on September 1, 2021. As specified in this QAP, the Quality Management of CBTC program activities are governed by the BART TCCCP Quality Management Plan (QMP). The BART TCCCP QMP is compliant with FTA Quality Management System Guidelines dated October 2019, and was developed as a stand-alone QMP due to FTA oversight of the program. The CBTC QAP is now the reference for the CBTC project. The team did not read the BART TCCCP QMP or the FTA Quality Management System Guidelines

#### **3.1 Quality Assurance Program**

The purpose of Quality Assurance/Quality Control (QA/QC) Plan is to ensure the work product prepared for the Project by CONSUL TANT meets applicable professional guidelines and standards. CONSUL TANT will establish or utilize the existing QA/QC Plan, to follow, support, implement, and enforce the contract requirements for the Project. The QA/QC Plan should conform to the requirements set forth in the District's Quality Management Plan (QMP) for the Transbay Corridor Core Capacity Program (TCCCP) that are applicable to CM activities. The QA/QC Plan should also follow the Federal Transit Administration (FTA) Quality Management System Guidelines, dated December 2012, FTA-PA- 27-5194-12.1. The following should be used as guidance for adherence:

1. Implement a Quality Assurance Program that validates the quality control Methods adopted by the Contractor.
2. At a minimum and as a requirement for DSDC; DSDC team will follow QA/QC in DB Oversight Manual
3. Refer to DB Oversight Manual PF-21 and use Quality Audit Check List as specified, and any other time needed.
4. Monitor conformance to the Contractor's approved Quality Control Plan.
5. Consultant will have as all findings and corrections of any QA/QC audit
6. Consultant will be responsible for any corrections to come out of Audits
7. Refer to DB Oversight Manual and Prepare Non-Conformance Report if needed

#### **Prime: Systra Consulting (TCMP)**

<b>Subconsultant</b>	<b>Amount</b>
Anil Verma	\$ 288,530
TSE (Armand Consulting)	\$ 303,038
Lea + Elliott	\$ 1,741,650
KKCS	\$ 30,099
Hatch	\$ 630,598
Turner	\$ 886,255
Unico	\$ 461,369
Intueor	\$ 239,372
Virginkar	\$ 4,709

**Total Work Plan Value: \$ 8,957,556**