

**BART Agreement Number: 6M8143**

**Approval Date: 10/07/22**

**Work Plan No. B.21-02 Non-Vital Relay Replacement - Continued Services to Support TCE with VHLC H/W and S/W Modifications**

**Scope:**

This effort is a continuation of the District's program to upgrade their control plants from relay interlockings to solid state interlockings (VHLCs). The Orinda Train Control Room houses the control equipment for two (2) major interlockings: C20 and C25. C20 is still a relay interlocking and is the primary focus of this effort. C25 has already been converted to VHLCs but may require minor changes to accommodate interfacing and test needs. The Orinda Train Control Room is unique at BART in its mix of technologies and controls for the tunnel doors. Bringing this up to a solid-state interlocker will enhance the CBTC and NX MUX efforts. The District currently possesses the majority of the equipment needed to upgrade C20. QuEST Rail, working with BART staff, is responsible for assessing the current state of the project and then performing all required activities to commission the updated C20 territory comprised of the two major interlockings: C20 and C25.

**Prime:** HDR

**Subconsultants:**

<b>Subconsultant</b>	<b>Amount</b>	<b>DBE (Y/N)</b>	<b>SBE (Y/N)</b>
QuEST Rail	\$896,054	N	N

**Total Work Plan Value:** \$985,817