

ITEM 25

**Supervisory Control and Data
Acquisition (SCADA) System
Engineering Support Services Contract**



Metro

Operations, Safety & Customer Experience Committee Meeting
April 15, 2021

Overview

- The Supervisory Control and Data Acquisition (SCADA) system is essential for safe, reliable, and efficient operation of the Metro rail lines
- Metro's current contract with ARINC Incorporated expires on 12/31/2021 and a new 10-year sole source task-order based contract was initiated
- New contract to support Metro rail transit expansion capital projects: Regional Connector, Division 20 Portal Widening Turnback, Purple Line Extension Sections 1-3, and Foothill 2B Extension
- Recommend to award task-order based contract to ARINC



ARINC Information



- Minimize service disruptions and operational/maintenance cost
- Single unified SCADA platform for the existing and new Lines
 - ❑ Train dispatchers and maintenance personnel at ROC on only one system
 - ❑ Train arrival times require integration with one system
- Replacing existing SCADA software with a different vendor is not financially and technically feasible to meet Measure M transit expansion program schedules
- Modifications of SCADA functions must be performed under strict quality control procedures. Only ARINC possesses the software which handles revision control history and automated tests of changes ensuring quality and correctness
- Performed well over the years and achieved the required DBE/SBE goals

Historical Partnership with ARINC

- Metro conducted a competitive procurement in 2013 which was awarded to ARINC
 - Most technically qualified
 - Provided lowest price proposal
- ARINC has met all contract schedules and deliverables on-time and within budget
- Metro has never had a contract related dispute with ARINC after a contract award
- Performed well over the years and achieved the required DBE/SBE goals

Competitively Bid Contract	DBE/SBE Goal	DBE/SBE Commitment	DBE/SBE Participation
2013	10%	12.64%	12.76%



SCADA Work Required



- Metro's many Rail transit expansion capital projects have accelerated and aggressive schedules. Projects include:
 - Regional Connector
 - Division 20 Portal Widening Turnback
 - Purple Line Extension Section 1
 - Purple Line Extension Section 2
 - Purple Line Extension Section 3
 - Foothill 2B Extension
- Enhancements to the existing system; such as train arrival prediction, 100% train tracking, additional reporting features, and secure remote access to equipment status
- Continued support of existing SCADA systems to comply with State of Good Repair (SOGR) and Cybersecurity standards, maintenance, troubleshooting, & software updates