

Transportation Committee

Meeting date: August 26, 2019

For the Metropolitan Council meeting of September 25, 2019

Subject: Southwest Light Rail Transit (Green Line Extension) SCADA Contract Award

Policy/Legal Reference:

Staff Prepared/Presented: Wes Kooistra, General Manager, 612-349-1723
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Division/Department: Metro Transit / Green Line Extension Project Office

Proposed Action

That the Metropolitan Council (Council) authorize the Regional Administrator to award and execute a contract 17P085 for Supervisory Control and Data Acquisition for the Southwest LRT Project (SWLRT) to Collins Aerospace (formerly ARINC/Rockwell Collins) in an amount not to exceed \$15,303,023.

Background

The Supervisory Control and Data Acquisition (SCADA) contract includes the installation and testing of a fully integrated Communications System consisting of Public Address/Customer Information System (PACIS), Closed Circuit Television (CCTV), Rail Supervisor Console, Rail Control Center (RCC) Overview Display, and Field SCADA Programmable Logic Controllers (PLC). This work will include programming for all the rail control/monitoring SCADA points for Light Rail Stations, Fare Collection, Park and Ride facilities, Vertical Circulation, Tunnels, Rail Signaling and Traction Power locations for the project. This work will include integration and testing of all equipment to be added to the existing Rail Control Center. The \$15,303,023 amount is within 10% of the engineer's cost estimate.

The Council has a contract in place with Collins Aerospace to supply the operational SCADA software backbone for the existing Green and Blue light rail lines. This contract will add the SWLRT SCADA system to the existing system. Collins Aerospace will be required to coordinate installation and testing activities with the Systems contractor and Rail Operations.

On February 8, 2017, Council authorized the Regional Administrator through business item 2017-28 to negotiate a contract directly with Collins Aerospace as a sole source provider of SCADA software programming and associated hardware and support costs for SWLRT.

Rationale

Previous significant investments have resulted in the Council entering into business with Collins Aerospace to supply the current LRT operational SCADA software backbone. The system has proven to be safe and reliable and the Council has a vested working relationship with this vendor, making it more economically and operationally feasible to utilize sole source for the procurement of maintenance and enhancements to this system.

Thrive Lens Analysis

- Equity
The Met Council's Office of Equal Opportunity (OEO) did not place a Disadvantaged Business Enterprise (DBE) goal on this contract due to the highly specialized nature of the services.
- Livability
The Green Line Extension (SWLRT) will increase the region's prosperity as it will provide access to 80,900 forecasted jobs and a new transportation option for 55,800 forecasted residents within ½ mile of the planned new stations in addition to the 145,300 forecasted jobs and 35,600 forecasted residents in downtown Minneapolis.
- Prosperity
The Green Line Extension reflects strategic investment in regional infrastructure that will promote economic competitiveness and create prosperity for the region.

Funding

Funds for this contract are included in the project budget and the Council's authorized capital budget and are eligible project costs that will be funded by the Federal Transit Administration and local funding partners.

Known Support / Opposition

There is no known opposition to this action.