

Transportation Committee

Meeting date: May 14, 2018

For the Metropolitan Council meeting of May 23, 2018

Subject: Work Order Software Purchase

District(s), Member(s): All

Policy/Legal Reference: Council Policy 3-3 Expenditures-Procurement of Goods and Services over \$500,000

Staff Prepared/Presented:

Mark Benedict, Director, Rail Transportation, (612-341-5680)

Pancho Henderson, Assistant Director, IS, (651-602-1627)

Michael Guse, Project Manager, Special Projects (612-349-7598)

Division/Department: Metro Transit LRT Operations

Proposed Action

That the Metropolitan Council authorizes the Regional Administrator to purchase work order software, in the amount of \$650,700, from ARINC, Inc. d/b/a Rockwell Collins IMS to enhance and improve the Supervisor Control and Data Acquisition (SCADA) program used by Light Rail Operations.

Background

The Council has purchased SCADA Advanced Information Management (AIM) software from ARINC for integrated train control and system monitoring. This platform monitors and aggregates thousands of individual status points on the rail system. It is used to control all train signal systems, traction power systems, on-time performance monitoring, platform communications equipment, train arrival status and passenger announcements.

Rationale

Previous significant investments have resulted in the Council entering into business with ARINC to supply the current LRT operational SCADA software backbone. This ARINC system has proven to be safe and reliable. 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 enhancements to this system. This is the first enhancement module that will allow the Rail Control Center to streamline and more accurately document regular maintenance troubles for the entire LRT system. *This is one of the projects listed on Business Item No 2017-28*

Thrive Lens Analysis

ARINC infrastructure and maintenance services and enhancements are needed to address the reliability, resilience, security, and cost-effectiveness of the Council's rail technology which support the Thrive outcomes of stewardship and sustainability. It will also allow the Council to continue providing reliable, affordable, environmental friendly and safe mass transportation to our ridership regardless of race, ethnicity, economic means or ability.

Funding

Authorized funding is available in Project 68512

Known Support / Opposition

No known opposition.