Business Item

T Transportation Committee

Item: 2011-39

Meeting date: February 14, 2011

Metropolitan Council Meeting: February 23, 2011

ADVISORY INFORMATION	
Date:	**February 9, 2011**
Subject:	**Contract Change Order with Siemens for installing Automatic Passenger Counter Equipment on an additional 19 Light Rail Vehicles**
Districts, Member(s):	**All**
Policy/Legal Reference:	**Low Floor Light Rail Vehicle** **Contract 09P157** **Revision 2 Conformed Technical Specification**
Staff Prepared/Presented:	**Brian Lamb, General Manager, 651-349-7510** **Mark Fuhrmann, Deputy Gen Mgr, 651-602-1942** **Rich Rovang, CCLRT Project Director, 651-602-1941**
Division/Department:	**Metro Transit / Central Corridor Project Office**

Proposed Action/Motion

That the Metropolitan Council authorize a change order with Siemens in an amount of $788,000 to the Low Floor Light Rail Vehicles (LRV) contract to provide for the installation of automatic passenger counter equipment on an additional 19 LRV's.

Background

The Technical Specification for the Type 2 light rail vehicles requires all vehicles to be wired for automatic passenger counter equipment, with installation of the equipment on 25 percent of the vehicles. For the 41-car base order, this means that 10 vehicles will be equipped with APC's. A separate grant is available in Project 65317 to fund installation of APC's on a portion of the entire light rail fleet, including vehicles operating on the Hiawatha Line. This grant has funding to equip an additional 19 vehicles with APC equipment. The additional 19 vehicles will bring the APC-equipped total to 29 of 41 LRV's in the Type 2 base order.

APC equipment on light rail vehicles provides detailed information on the passenger boarding and alighting counts at each station on each trip. Sensors at each door detect people as the walk in and out of the train and then transfer the data to a central system for tabulation and reporting. This information is essential for reviewing and adjusting service frequency to meet passenger demand, ensuring adequate train capacity during peak periods, planning for special event service and staffing, collecting and validating ridership information, developing facility maintenance and security plans, and planning for bus service connections to the rail lines. Currently, similar information is collected manually and only in partial samples on an infrequent basis. Installing APC's on LRV's will improve the quality and quantity of information collected at a lower operating cost.

Funding

Funding is available for the installation of automatic passenger counter equipment on an additional 19 LRV's in Council Approved Capital Budget, Metro Transit Project 65317 titled "APC for LRV".

Known Support/Opposition

No known opposition.