

T Transportation Committee
Meeting date: December 12, 2011
Metropolitan Council Meeting: January 11, 2012

ADVISORY INFORMATION

Date: December 12, 2011
Subject: Authorization to purchase Innovations For Entrances Systems (IFE) passenger door overhaul parts for the Type 1 Light Rail Vehicle
District(s), Member(s): All
Policy/Legal Reference: Council Policy 3-3 Expenditures
Staff Prepared/Presented: Brian Lamb, General Manager (612-349-7510)
Vince Pellegrin, Chief Operating Officer (612-349-7511)
Ed Toomey, Director Rail Vehicle Maintenance (612-341-5605)
Micky Gutzmann, Director Council Contracts and Procurement (651-602-1741)
Mike DeWolf, Manager Rail Q/A – Training (612-341-5628)
Division/Department: Metro Transit Light Rail

Proposed Action

That the Metropolitan Council authorizes the Regional Administrator to purchase passenger door overhaul replacement parts for the Blue Line (Hiawatha) light rail vehicles in an amount not to exceed \$650,000 over a two-year period.

IFE does not have a network of distributors; therefore they provide sales and distribution directly to Metro Transit, requiring a sole source procurement. Components consist of materials, software, and computer boards that are protected due to proprietary rights.

Background

The original manufacturer, Innovations For Entrance Systems (IFE), provides the passenger door system used on the Bombardier Type 1 Light Rail Vehicle. The doors are approaching the manufacturers recommended rebuild schedule.

Rationale

Light rail vehicles cycle their doors many times during the course of its service day. A door cycle is defined as one opening/one closing of the door. Door overhauls usually occur within 12 years or 420,000 cycles of the service life of a door before overhaul is necessary. However, due to the high cycle demand placed on our fleet we will reach the recommended rebuild cycles by July 2012. In some instances this has been exceeded.

- Two door control units were removed from service and components broken down and evaluated for specification compliance.

- These components displayed wear associated with cycles above the 35,000 per year per door mark.
- Door cycles are projected by IFE to be 35,000 per year per door for rebuild.
- Metro Transit LRV door cycles are at the 70,000 per year per door.

The parts required to complete the overhaul have extensive lead times to purchase requiring Metro Transit to order these items as soon as possible.

After conferring with IFE, the manufacturer, the door system overhaul is scheduled to start in July 2012.

Funding

Funding is available from the Rail Associated Capital Fund MN 05-0020-00.

Known Support / Opposition

There is no known opposition.