

Transportation Committee

Meeting date: January 14, 2013

For the Council Meeting of January 23, 2013

ADVISORY INFORMATION

Date:	January 4, 2013
Subject:	Light Rail Vehicle Weight Incentive Contract Amendment
District(s), Member(s):	All
Policy/Legal Reference:	Light Rail Vehicle Executed Contract 09P157
Staff Prepared/Presented:	Brian J. Lamb, General Manager, 612-349-7510 Mark W. Fuhrmann, Deputy Gen. Manager, 651-602-1942 Rich Rovang, AGM – Transit Systems Dev., 651-602-1941
Division/Department:	Metro Transit / Central Corridor Project Office

Proposed Action

Approve Contract Amendment to increase contract value by up to \$944,000 for a revised contract value of \$215,352,969 in accordance with requirements of Light Rail Vehicle (LRV) Contract 09P157 Section 5.12.

Background

There is a vehicle weight incentive section included in the LRV Contract. The section is paraphrased as follows:

5.12 Weight Incentives. *An incentive is offered to the Contractor to produce a lighter weight Vehicle. If the AWO car weight is less than 104,000 lbs, the Contractor shall be eligible for an increase in the Contract Price for each car:*

- 100,000 – 100,999 provides a \$8,000 incentive + \$8 for every pound under 101,000.*
- 101,000 – 101,999 provides a \$4,000 incentive + \$4 for every pound under 102,000.*
- 102,000 – 102,999 provides a \$2,000 incentive + \$2 for every pound under 103,000.*
- 103,000 – 103,999 provides a \$1,000 incentive + \$1 for every pound under 104,000.*
- There shall be no change to the Contract Price for an AWO car weight of 104,000 lbs to 104,999 lbs.*

The first few Siemens Type 2 LRVs are averaging approximately 100,500lbs. The weight of each Siemens vehicle will be verified by certified scale prior to shipping.

Rationale

The contractual weight incentive is offered to the Contractor to produce a lighter weight vehicle. The Siemens Type II vehicle average weight is 6% lighter than the Type I Bombardier vehicle. This lighter weight provides significant operational energy savings, estimated of at least \$150,000 per year. The lighter weight also reduces wear on the vehicle and supporting infrastructure which has a potential for reducing maintenance costs over the life of the vehicle.

Funding

The current LRV contract has a value of \$214,408,969.

Central Corridor Light Rail Transit (CCLRT) Full Funding Grant Agreement (FFGA) funded (47 LRVs) portion is \$173,523,195

Blue Line Hiawatha Light Rail Transit (HLRT) non-FFGA funded (12 LRVs) portion is \$40,097,774

Grant MN-90-X215 non-FFGA funded (Automatic Passenger Counting equipment added to 19 vehicles) \$788,000

The CCLRT and HLRT allocated costs of the weight incentive are:

CCLRT	\$752,000
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HLRT	\$192,000
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Funding is available for this amendment in the proportions above from the CCLRT project budget and adopted Capital Budget.

Known Support / Opposition

No known opposition.