

# LRT Phase One Smart Card Implementation

## Sole Source Agreement

### Recommendation:

That a sole source agreement with Cubic Transportation Systems, for software and hardware upgrades to the existing LRT fare collection system to accept a Transit Smart Card, in the amount of up to \$600,000 be approved and that the agreement be in a form acceptable to the City Manager.

### Report Summary

**As per the Delegation of Authority, sole-source contracts over \$250,000 must be approved by the appropriate Committee of Council.**

### Report

- Edmonton Transit System (ETS) has initiated a pilot project with the University of Alberta to implement a smart card transit pass for use by the University of Alberta administration staff. This pass will allow travel between the University of Alberta and the Bay and Churchill LRT Stations.
- The use of a transit smart card pass will provide ETS with the ability to monitor, track, control and audit the distribution and usage of these passes. The activation of smart cards in phase one will provide the capabilities for expanded use of other smart card transit passes if additional smart card readers are deployed on the LRT system in the future.
- In 2005, Ticket Vending Machines and NextFare Central Computer

System manufactured by Cubic Transportation Systems were installed throughout the LRT system (Tender No. 887290). Upon activation of specific modules, this fare collection system will issue, accept, track, and control the use of a transit smart card.

- Phase one of the LRT smart card implementation will demonstrate the use of smart cards as a transit pass and will provide operational experience in deploying this technology.
- Implementation of smart cards as a transit pass aligns with the City Auditors recommendations that management envision potential fare media and a fare collection system, on a cost effective basis that would minimize fare evasion.
- LRT phase one smart card implementation supports a move by ETS towards an advanced fare structure that provides additional customer value and convenience.
- Funding is provided for in the approved capital project 07-66-1270.
- This is a one-year pilot project, after which it will be reviewed and evaluated to determine if the program will be instituted on a permanent basis.

### Justification of Recommendation

The upgrade of software, hardware and interfaces manufactured by Cubic Transportation Systems is required to activate the use of smart cards in the existing LRT Fare Collection System. Funding is provided for in the approved capital project 07-66-1270.