



STAFF REPORT INFORMATION ONLY

Presentation: VISION Program Update

Date:	February 21, 2017
To:	TTC Board
From:	Chief Executive Officer

Summary

The purpose of this report is to present the VISION Program Update.

Financial Summary

This report has no financial impact beyond what has been approved in the current year's budget.

The program budget is \$115.4M.

The Chief Financial and Administration Officer has reviewed this report and agrees with the financial impact information.

Accessibility/Equity Matters

The VISION system will provide enhanced communication capabilities that will facilitate the integration of all customers into the conventional system. The VISION system will provide enhanced customer communications by improving on the Next Stop Announcement system and integration with the Customer Service Disruption System.

Decision History

On February 25, 2016 the Board authorized the award of Contract No. C25PW15793 for the Computer Aided Dispatch/Automatic Vehicle Location (CAD/AVL) System for the VISION (Vehicle Information System and Integrated Operations Network) Implementation Program to Clever Devices ULC. Please refer to the following link for the report:

[http://www.ttc.ca/About_the_TTC/Commission_reports_and_information/Commission_meetings/2016/February_25/Reports/PA - Computer Aided Dispatch-Automatic Vehicle Location_CAD-.pdf](http://www.ttc.ca/About_the_TTC/Commission_reports_and_information/Commission_meetings/2016/February_25/Reports/PA_-_Computer_Aided_Dispatch-Automatic_Vehicle_Location_CAD-.pdf)

Contact

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Attachments

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VISION PROGRAM

**Vehicle Information System &
Integrated Operations Network**

21 February 2017





Vehicle Information System and Integrated Operations Network (VISION)





- **2016 Accomplishments**
- **2017 Milestones**
- **Future Benefits**





- **Replace End of Life Communication Information System (CIS)**
- **Replace End of Life Stop Announcement System**
- **Improve Route Management**
- **Centralize Operation Command Centre**
- **Increase Vehicle Utilization**
- **Improve Operator and Customer Safety**
- **Implementation to be completed by Q1 2020**



2016 ACCOMPLISHMENTS

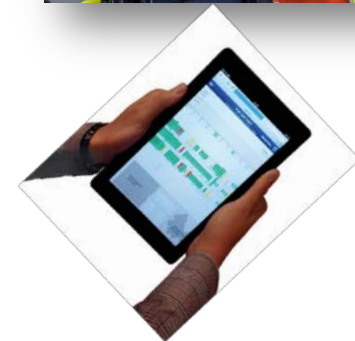


- **Awarded Contract to Clever Devices**
- **Completed Prototype Installations**
- **Completed Draft Final Design**
- **Received Final Design**
- **Completed Design of Operations Control Centre**



2017 MILESTONES

- **Complete Operations Control Centre Construction**
- **Complete Factory Acceptance Testing**
- **Conduct Mini-Fleet Tests**
 - Installation of System on
 - 15 Buses
 - 2 Streetcars
- **Public Demonstration**
- **Commence Bus and Streetcar Rollout**
 - Installation
 - Training





2018

- **Complete Existing Bus Fleet Installations**
- **Accept New Buses with VISION System Installed**
- **Complete Existing Streetcar Fleet Installations**

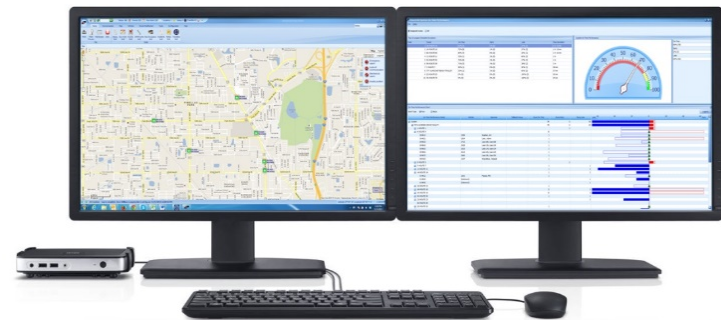
2019 +

- **Retrofit New LFLRV's as Required**
- **System Acceptance**
- **Warranty and Maintenance**





- **Improved Route Performance Management**
- **Improved Operator Performance Management**
- **Improved Real-Time Customer Information**
- **Improved Real-Time Vehicle Health Monitoring**
- **Reduced Operating Costs**



PROGRAM DASHBOARD



Program Status		Schedule	Cost	Scope	Overall Risk
		Current Status	G	G	G
Outlook to Completion		G	G	G	Y





Questions

