



REPORT OF COUNCIL-IN-COMMITTEE

For City Council – November 28, 2022

**Additional Item*

From: Office of the City Clerk

Date: Monday, November 28, 2022

Title: Intelligent Transportation System-Automated Vehicle Location

Description:

Council-in-Committee, at its session held on November 29, 2022 considered an administrative report from the Manager of Transit and Parking Services which sought Council approval and authorization to award and execute the agreement relative to Request for Proposal P22-42 for the Supply and Installation for Intelligent Transportation System (ITS) – Automated Vehicle Location Solution for Fredericton Transit.

The Transit Strategic Plan identifies various technology recommendations to help improve safety, efficiency and reliability in order to improve the customer experience. In the Strategic Plan, technologies identified included Automatic Vehicle Location (AVL), scheduling software, modernized fare collection system and real-time trip related data for customers.

The City issued an RFP for a full ITS suite of subsystems supporting an AVL system designed specifically for public transit. The City was able to secure funding in order to purchase these technologies. This ITS infrastructure is an essential tool to providing a safe, reliable service and also contains many customer facing components. The scope of work identified in the RFP was for the supply and installation of an AVL solution along with the following subsystems:

- o Data Management Subsystem
- o Regulation Subsystem
- o Data Analysis Subsystem
- o Scheduling Subsystem – Fixed Route
- o Computer Aided Dispatch Subsystem
- o Passenger Information Subsystem
- o Electronic Fare Collection Subsystem
- o Advanced Passenger Information Subsystem
- o Pre-Boarding and On-Board Automated Bus Stop Announcement Subsystem

The proposed draft agreement involves the supply and installation of an AVL solution as well as eight of the nine above identified subsystems. The City received seven (7) responses to the RFP call with potential proponents providing proposals for various subsystems. All submissions were reviewed and evaluated by the evaluating committee

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against the criteria set in the RFP where the suppliers were scored based on their equipment and software/operational features and functionality in relation to the scope of work provided; supplier experience and qualifications; value add solutions; warranty; financial proposal; and supply/installation plans. Consat Canada Incorporated scored the highest on the proposal for the AVL solution and all subsystems excluding the Electronic Fare Collection Subsystem.

Staff are recommending that the City enter into the proposed Agreement with Consat Canada Incorporated (attached).

The Committee directed that the following resolution be forwarded to City Council for consideration:

BE IT RESOLVED that the Council of the City of Fredericton hereby authorizes and approves the award of Request for Proposal P22-42, For the Supply and Installation for Intelligent Transportation System (ITS) – Automated Vehicle Location Solution to the highest scored supplier meeting the requirements, Consat Canada Inc. with respect to the provision and delivery of an ITS/AVL solution supported by data management, regulation data analysis, fixed-route schedule CAD, passenger information and automated bus stop announcement sub-systems as outlined in the RFP for an amount of Nine-Hundred and Thirty-Nine Thousand Two Hundred and Fifty Seven Dollars and Ninety Cents (\$939,257.90) inclusive of HST, for a term of five (5) years commencing December 1, 2022 and expiring on November 30, 2027 with a renewal option at the sole discretion of the City of Fredericton for three (3) additional five (5) year terms, each a Renewal Term with fees to be negotiated between the parties, subject to the annual approved budget and subject to acceptable performance of the scope of services; and BE IT FURTHER RESOLVED THAT the Council of the City of Fredericton hereby approves and authorizes the agreement between the City of Fredericton and Consat Canada Inc. (the “Agreement”) with respect to the provision and delivery of an ITS/AVL solution; AND THAT the Mayor and City Clerk be authorized to execute the Agreement on behalf of the local government and such further legal documents as may be required to facilitate the Agreement and this resolution.

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Report Approval Details

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Attachments:	- RFP P22-42 Agreement COF and Consat Canada Inc - Nov 23 22.docx
Final Approval Date:	Nov 28, 2022

This report and all of its attachments were approved and signed as outlined below:

Hart, Steven