

City of Mississauga Corporate Report



9.15

Date: March 26, 2021

To: Chair and Members of General Committee

From: Geoff Wright, P.Eng, MBA, Commissioner of
Transportation and Works

Originator's files:
MG.23.REP
RT.10.ZGEN

Meeting date:
June 9, 2021

Subject

Single Source Designation for the Supply and Delivery of City Standard Intelight Traffic Signal Controllers from Tacel Ltd.

Recommendation

1. That the report from the Commissioner of Transportation and Works dated March 26, 2021 and entitled "Single Source Designation for the Supply and Delivery of City Standard Intelight Traffic Signal Controllers from Tacel Ltd" be received.
2. That Intelight Traffic Signal Controllers be designated as a City Standard for the period ending December 31, 2026.
3. That Tacel Ltd. be designated as a single source vendor for the supply and delivery of City Standard Intelight Traffic Controllers for the period ending December 31, 2026.
4. That the Purchasing Agent or designate be authorized to execute the appropriate forms of commitment with Tacel Ltd. for the supply and delivery of City standard Intelight Traffic Signal Controllers as required during the period ending December 31, 2026, subject to budget funding availability.

Background

As part of the Advanced Transportation Management System (ATMS) project, a multi-staged competitive procurement was conducted to acquire a new traffic control system, to replace traffic signal controllers in the field, to demonstrate Intelligent Transportation Systems (ITS) technologies and to provide long term support services. After an extensive evaluation process, the contract was awarded to Parsons Inc. and a 10-year Master Purchase and Service Agreement was executed effective December 1, 2014.

As part of the contract with Parsons, the evaluation and field testing of various traffic signal controllers was undertaken by staff and the recommended controller unit selected was the Intelight controller.

As of the end of July 2018, traffic signal controllers at all 777 signalized intersections within Mississauga and under the jurisdiction of the Region of Peel, MTO, Region of Halton, and GTAA that are maintained and operated by the City of Mississauga within the municipal boundary have been replaced with Intelight traffic signal controllers. The replacement of all controllers in the field is now complete and the Intelight controller has become the standard that is compatible with the new ATMS.

Moving forward, the City needs to secure the future supply and delivery of Intelight controllers for operational requirements at new signalized intersection installations and to replace damaged and/or end of life controllers to meet the City's and jurisdictions future requirements.

The Intelight controller is supplied by Tacel Ltd. who is the exclusive equipment distributor for Ontario.

The purpose of this report is to establish the Intelight traffic controller as a City Standard and establish a single source designation for Tacel Ltd. to ensure ongoing equipment supply of the Intelight traffic signal controller for operational requirements.

The proposed City Standard designation for the Intelight traffic controller is defined in the Purchasing By-law #374-2006, as "*specific Goods approved by Council that best fill a long-term City-wide need or requirement.*" The proposed Single Source designation for Tacel Ltd. is in accordance with the Purchasing By-law, Schedule A, Section 1 (a) which states: The Goods and/or Services are only available from one supplier by reason of (iii) "*the existence of exclusive rights such as patent, copyright or licence*".

Comments

Acceptable unit prices for the Intelight traffic signal controllers will be negotiated annually based on estimated quantities required to meet capital and maintenance purposes and available budgets.

Materiel Management staff support the recommendations contained herein from a procurement perspective.

Financial Impact

Funding for the Intelight controllers for maintenance and capital purposes are accounted in annual operating and capital budgets for the Transportation and Works Department. Equipment acquired will be placed in the Traffic Signals Inventory Account 125215 and charged to the various capital and operating budgets as required, including necessary chargebacks to various jurisdictions as outlined in the Traffic Signal Operations and Maintenance Service Agreements with these jurisdictions.

Conclusion

The use of Intelight traffic signal controllers was established competitively as part of the Advanced Transportation Management System (ATMS) project. The Intelight controller should be recognized as a City Standard to meet future operating and maintenance needs. The Intelight controller is only available from Tacel Ltd. who have exclusive rights to distribute the product in Ontario. Staff recommend that the Purchasing Agent be authorized to execute the appropriate forms of commitment with Tacel Ltd. for the supply and delivery of City standard Intelight Traffic Signal Controllers as required during the period ending December 31, 2026, subject to budget funding availability. The recommendations in this report are in accordance with the Purchasing By-law #374-2006.

Attachments

Appendix 1: Tacel Ltd Intelight Traffic Controllers – Statement of Work



Geoff Wright, P.Eng, MBA, Commissioner of Transportation and Works

Prepared by: Javed Khan, Manager, Traffic Signals and Systems