

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MARCH 10, 2020
FROM:	KELLY SCHERR, P. ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT	TRANSPORTATION MANAGEMENT CENTRE VIDEO MANAGEMENT SYSTEM SINGLE SOURCE

RECOMMENDATION

That on the recommendation of the Managing Director, Environmental & Engineering Services and City Engineer:

- a) Approval **BE GIVEN** to enter into a contract with Avent Technical Group Ltd. in the amount of \$79,039.95 excluding H.S.T. to supply a Video Management System (VMS) and associated licenses in accordance with the 'Procurement of Goods and Services Policy' Section 14.4(d) Single Source and Section 14.5(b);
- b) The financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached hereto as Appendix A;
- c) The Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this contract;
- d) Approval hereby given **BE CONDITIONAL** upon the Corporation negotiating satisfactory prices, terms, and conditions Avent Technical Group Ltd. to the satisfaction of the Managing Director, Environmental and Engineering Services and City Engineer or designate; and
- e) Approval hereby given **BE CONDITIONAL** upon the Corporation entering into a formal contract or having a purchase order relating to the subject matter of this approval.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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For additional information, please refer to the following committee reports:

- Civic Works Committee – October 24, 2017, [II, 9. Intelligent Transportation System – Appointment of Consulting Engineer](#); and
- Civic Works Committee – April 17, 2018, [II, 10. Transportation Intelligent Mobility Management System – Waze Connected Citizens Program Agreement](#).

COUNCIL'S 2019-2023 STRATEGIC PLAN

The following report supports the Strategic Plan through the strategic focus area of **Building a Sustainable City**. By continuing to improve the traffic signal system for the benefit of all road users and implementing infrastructure improvements and programs this will have the effect of managing congestion and travel times and improving safety for all modes of transportation, including transit.

BACKGROUND

The City currently owns a Milestone XProtect video management system (VMS) that is used by Corporate Security and Emergency Management for their video monitoring activities. Similarly, the City will be requiring a VMS for monitoring traffic demand of the transportation network as part of the Transportation Intelligent Mobility Management System (TIMMS) project via the Transportation Management Centre (TMC) located at the Emergency Operations Centre (EOC) on Boler Road.

The City has previously chosen the Milestone XProtect product for its VMS, therefore it will be beneficial to procure an identical VMS product for similar TMC business needs. Once the TMC is further established, a common VMS platform will allow for compatibility and support the sharing of resources with both the existing Corporate Security and Emergency Management business unit and upcoming VMS business needs related to Council-approved Rapid Transit projects as opposed to a non-compatible product.

This recommendation is in compliance with the 'Procurement of Goods and Services Policy' Section 14.4 Single Source, Clauses (d) and Section 14.5 Clause (b).

PREPARED BY:	REVIEWED AND CONCURRED BY:
SHANE MAGUIRE, P. ENG. DIVISION MANAGER, ROADWAY LIGHTING AND TRAFFIC CONTROL	DOUG MACRAE, P.ENG., MPA DIRECTOR, ROADS AND TRANSPORTATION
CONCURRED BY:	RECOMMENDED BY:
MAT DALEY DIRECTOR, INFORMATION TECHNOLOGY SERVICES	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER

February 28, 2020
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Attach: Appendix A: Sources of Financing

cc. Tangible Capital Assets

APPENDIX 'A'

Chair and Members
Civic Works Committee

#20019
March 10, 2020
(Award Contract)

**RE: Transportation Management Centre Video Management System Single Source
(Subledger TF190023)
Capital Project TS1430-3 - RT3: East London Link - Rapid Transit (PTIF)
Capital Project TS4078 - Traffic Management Centre Phase 1
Avent Technical Group Ltd. - \$79,039.95 (excluding H.S.T.)**

FINANCE & CORPORATE SERVICES REPORT ON THE SOURCES OF FINANCING:

Finance & Corporate Services confirms that the cost of this project can be accommodated within the financing available for it in the Capital Works Budget and that, subject to the adoption of the recommendations of the Managing Director, Environmental & Engineering Services & City Engineer, the detailed source of financing for this project is:

<u>SUMMARY OF ESTIMATED EXPENDITURES</u>	<u>Approved Budget</u>	<u>Committed to Date</u>	<u>This Submission</u>	<u>Balance for Future Work</u>
<u>TS1430-3 - RT3: East London Link (PTIF)</u>				
Consulting	\$1,158,411	\$1,158,411		\$0
Construction	182,692	138,933		43,759
Traffic Signals	668,000	565,034	41,824	61,142
City Related Expenses	859,227	842,128		17,099
	<u>2,868,330</u>	<u>2,704,506</u>	<u>41,824</u>	<u>122,000</u>

TS4078 - Traffic Management Centre Phase 1

Consulting	\$30,000	\$0		\$30,000
Construction	800,000	270,049	38,607	491,344
	<u>830,000</u>	<u>270,049</u>	<u>38,607</u>	<u>521,344</u>

NET ESTIMATED EXPENDITURES

<u>\$3,698,330</u>	<u>\$2,974,555</u>	<u>\$80,431</u>	<u>\$643,343</u>
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SUMMARY OF FINANCING:

TS1430-3 - RT3: East London Link (PTIF)

Capital Levy	\$111,915	\$104,051	\$1,464	\$6,400
Drawdown from City Services - Roads Reserve Fund (Development Charges)	2) 1,486,873	1,382,391	19,448	85,034
Federal PTIF (Public Transit Infrastructure Fund)	1,269,542	1,218,064	20,912	30,566
	<u>2,868,330</u>	<u>2,704,506</u>	<u>41,824</u>	<u>122,000</u>

TS4078 - Traffic Management Centre Phase 1

Debenture Quota	3) \$157,700	\$51,309	\$7,335	\$99,055
Debenture Quota (Serviced through City Services Roads Reserve Fund (Development Charges))	2) & 3) 672,300	218,740	31,272	422,288
	<u>830,000</u>	<u>270,049</u>	<u>38,607</u>	<u>521,344</u>

TOTAL FINANCING

<u>\$3,698,330</u>	<u>\$2,974,555</u>	<u>\$80,431</u>	<u>\$643,343</u>
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1) **FINANCIAL NOTE:**

	<u>TS1430-3</u>	<u>TS4078</u>	<u>Total</u>
Contract Price	\$41,101	\$37,939	\$79,040
Add: HST @13%	5,343	4,932	10,275
Total Contract Price Including Taxes	46,444	42,871	89,315
Less: HST Rebate	4,620	4,264	8,884
Net Contract Price	<u>\$41,824</u>	<u>\$38,607</u>	<u>\$80,431</u>

2) Development Charges have been utilized in accordance with the underlying legislation and the Development Charges Background Studies completed in 2019.

Note to City Clerk:

3) Administration hereby certifies that the estimated amounts payable in respect of this project does not exceed the annual financial debt and obligation limit for the Municipality from the Ministry of Municipal Affairs in accordance with the provisions of Ontario Regulation 403/02 made under the Municipal Act, and accordingly the City Clerk is hereby requested to prepare and introduce the necessary authorizing by-laws.

An authorizing by-law should be drafted to secure debenture financing for project TS4078 - Traffic Management Centre Phase 1 for the net amount to be debentured of \$830,000.00.