



CITY OF HAMILTON
PUBLIC WORKS DEPARTMENT
Engineering Services Division

TO:	Chair and Members Public Works Committee
COMMITTEE DATE:	June 1, 2015
SUBJECT/REPORT NO:	Standardization of Equipment, Supplies and Support Services (PW13027a) - (City Wide)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Gord McGuire (905) 546-2424, Extension 2439
SUBMITTED BY:	Gary Moore, P.Eng. Acting General Manager Public Works Department
SIGNATURE:	

RECOMMENDATION

- (a) That the field equipment, supplies and office related systems listed in Appendix A to Report PW13027a be approved as a standard;
- (b) That the vendors listed in Appendix A to Report PW13027a be approved as the single source of supply for the listed equipment and supplies;
- (c) That the General Managers of Public Works and Finance & Corporate Services, or their delegate, be authorized to negotiate a house account with each vendor listed in Appendix A to Report PW13027a;
- (d) That the General Managers of Public Works and Finance & Corporate Services, or their designate, be authorized and directed to enter into and sign, on behalf of the City of Hamilton, all negotiated agreements and all necessary associated documents with the vendors listed in Appendix A to Report PW13027a with content acceptable to the General Manager of Public Works, and in a form satisfactory to the City Solicitor;
- (e) That the supplies, equipment, and services listed in Appendix A to Report PW13027a be amended with the following:
 - (i) OCE Canada was acquired by Canon Canada Inc.
 - (ii) ESRI Canada is added.

EXECUTIVE SUMMARY

Pursuant to the Corporate Procurement Policy, Section 4.14, "Policy for Standardization" this report seeks to establish a standard for equipment, office hardware and software which is currently supplied by the vendors listed Appendix A

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attached to report PW13027(a). This equipment and software supports field survey services, mapping, GIS, engineering plan production and plotting to various client groups within the City of Hamilton.

Alternatives for Consideration - See Page 3

FINANCIAL - STAFFING - LEGAL IMPLICATIONS

Financial: The products and services in Appendix A is a list of recommended vendors for standardization and there is no further impact on the current budget

Staffing: N/A

Legal: Legal Services continues to provide input for negotiated contractual arrangements with these vendors.

HISTORICAL BACKGROUND

Since 1999, the City has exclusively obtained Trimble hardware due to their patent on active tracking technology and integration with data collection systems Cansel Survey Equipment Inc. the single source vendor of the systems we have acquired.

Using Trimble technologies the Engineering Services Division has calibrated the positioning requirements for the geographic extents of the City to model out inconsistencies in horizontal and vertical control placements. This calibration set is proprietary to the Trimble hardware and is a mandatory element in complying with positional requirements of the Association of Ontario Land Surveyors as per Ontario Regulation 216/10 of the Surveyors Act.

The City has been using Bentley Systems Incorporated Microstation since 1994 and the Engineering Services Division has standardized on all the engineering solutions these firms offer. All roster consultants and mapping contracts are required to operate and deliver in this product format.

The City has been using Microsurvey Survey Inc. calculation tools since 1990 and this product is the basis of all legal survey services in the Corporation. It provides all relevant calculations and mathematical closure routines required to create and register a regulated plan of survey at the Registry Office.

Canon Canada Inc. acquired OCE Canada which has been the supplier of the Engineering Services Division contract plot system since 2000. This vendor also provides supplies, maintenance and on-going hardware upgrades to ensure the systems are current and meet production requirements.

Lighting Analysts, Inc. has supplied the City street light analysis systems since 2009. The products include AGi32 which is used for lighting design, specifically modelling and predicting lit environments. They also supply Photometric Toolbox, which is a product that is used as a stand-alone or supplemental program to AGi32. It provides evaluation and analysis of luminaire photometry in lighting design applications.

ESRI technology is an industry leader of broad based and web GIS technology solutions. It is currently being used for the Public Works records management system,

and is also the mapping technology used in the Corporation's Call Handling Lagan software. ESRI Canada is the sole provider of Esri products in Canada.

POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

Procurement Policy #14 - Policy for Standardization requires that approval Council be obtained before a standard is established. Where establishment of a standard will result in a single source purchase, that purchase will also require Council approval.

RELEVANT CONSULTATION

In previous years these system purchases were managed through the use of Policy 11- Non-competitive Procurement procedures. In order to reduce the use of Policy 11 negotiation requests to continue to acquire professional services, maintenance or additional hardware and software through these suppliers, the Procurement Section recommends that this report be brought forward.

Consultation with Corporate Services led to the retention of ESRI Canada for the deployment of the newest engineering records tool, SPIDER. Corporate Services has expressed an interest in extending the solution to other corporate departments and has asked to be included in this report.

ANALYSIS AND RATIONALE FOR RECOMMENDATION

Since the initial report PW13027 was approved by Council on April 10, 2013, the business relationship has been successful with these approved vendors. This report is a minor amendment since OCE Canada was acquired by Canon and Esri Canada has been appended.

ALTERNATIVES FOR CONSIDERATION

The initial process for acquiring new goods and services is a competitive process based on a set of criteria. To re-tender additional pieces of these systems through the competitive process would simply create more effort for Procurement and staff.

ALIGNMENT TO THE 2012 - 2015 STRATEGIC PLAN

Strategic Priority #2

Valued & Sustainable Services

WE deliver high quality services that meet citizen needs and expectations, in a cost effective and responsible manner.

Strategic Objective

- 2.1 Implement processes to improve services, leverage technology and validate cost effectiveness and efficiencies across the Corporation.
- 2.2 Improve the City's approach to engaging and informing citizens and stakeholders.
- 2.3 Enhance customer service satisfaction.

APPENDICES AND SCHEDULES ATTACHED

Appendix A: Single Source parts/supplies, equipment and services for Public Works,
and Finance & Corporate Services