City of Peterborough

To: Members of the General Committee

From: W.H. Jackson,
Commissioner of Infrastructure and Planning Services

Meeting Date: December 3, 2018

Subject: Report IPSEC18-027
Award of Non-Standard Procurement– GIS Database
Conversion from Oracle to SQL Server

Purpose

A report to award a non-standard procurement for the conversion of the Corporate GIS database from Oracle to SQL Server.

Recommendation

That Council, through its delegated authority as set out in Chart 2 a) iv) of Appendix A of Purchasing By-law 18-084 approve the recommendation outlined in Report IPSEC18-027, dated December 3, 2018, of the Commissioner of Infrastructure and Planning Services as follows:

That the contract for GIS Database Conversion from Oracle to SQL Server be awarded to Esri Canada Limited, 12 Concorde Place, Suite 900, Toronto, Ontario M3C 3R8 at a cost of $162,748.00 plus HST of $21,157.24 for a total cost of $183,905.24.

Budget and Financial Implications

The total net $165,612.36 requirement, after applicable HST rebates for the implementation of a GIS Database Conversion from Oracle to SQL Server, can be accommodated within the uncommitted balance of the approved budget allocation within 2018 Capital budget – project 7-6.01 Esri Stabilization.

Background

Description of the Work

In 2012, Esri geospatial software was purchased and the existing spatial database was converted to the Esri standard GIS database. Since 2012, the volume of spatial data has grown exponentially and so has demand on the GIS database increased. Hundreds of users throughout the organization are now accessing the existing single database through online web mapping applications, field mapping applications and desktop applications.

To better manage and support user access to a rapidly growing volume of geospatial data resources in a timely and efficient manner, the single database now needs to be separated. Best practices recommend a publication database for internal use, a production database for internal testing and a database for public consumption. This project will undertake this conversion into three efficient databases.

Ultimately a more secure production environment will be secured and greater capacity achieved.

Moving from an Oracle database to the SQL Server database will provide more flexibility and less maintenance by a Database Administrator.

Esri Canada will act as a consultant to convert and synchronized the spatial databases with help from City and PTS staff.

Procurement Type

Part 11.3.1.b.i of the Purchasing By-law sets out circumstances under which a Bid Solicitation process is not required. The "GIS Database Conversion from Oracle to SQL Server" agreement to purchase consulting services meets the requirements to engage the services of Esri Canada to complete the works requested. The current GIS platform is completely built on Esri technology. This includes the database, web servers and desktop applications. The database conversion will include alterations to all these components. Esri Canada is the only vendor available with the expertise to meet the objectives of the project. They have worked with the City successfully since 2012 on multiple GIS projects. They understand the details of the City's IT systems, GIS and other business workflows. They have past experience and can ensure a smooth transition that will provide the least impact to the corporation and as little downtime as possible.

Through Section 11.2 of Purchasing By-law 18-084, the non-standard procurement authority has been granted by the Treasurer in keeping with the by-law.

Council Approval Required

Chart 2, Section a) iv) of Appendix A of the Purchasing By-law 18-084 indicates Council must approve a non-standard or limited competition procurement when the value is at or above $100,000.

Timelines

If the recommendation is approved, the agreement will be signed by the CAO and Clerk, under their delegated authority to do so before the work commences. The project will commence immediately following the agreement acceptance with expected project duration of 6 weeks.

Summary

The procurement of the "GIS Database Conversion from Oracle to SQL Server" project meets all the criteria that allow it to be awarded by Council in accordance with its delegated authority as set out in the Purchasing By-law 18-084 and as described in this report. This project has been reviewed and supported by Peterborough Technology Support.

Submitted by,

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Commissioner, Infrastructure & Planning Services

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