

Date: 2021-11-10

Subject: **Request to Begin Procurement – Material Testing and Geotechnical Investigation Services on an as and when required basis for a three (3) year period – Citywide**

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Report Number: Public Works & Engineering-2022-007

Recommendations:

1. That the report titled: **Request to Begin Procurement – Material Testing and Geotechnical Investigation Services on an as and when required basis for a three (3) year period – Citywide** - Wards 1-9, dated November 10, 2021, to the Committee of Council Meeting of January 19, 2022, be received;
2. That the Purchasing Agent be authorized to commence the procurement for the material testing and geotechnical investigation services on an as and when required basis for a three (3) year period – Citywide

Overview:

- **This report seeks Council approval to authorize the Purchasing Agent to commence procurement for the material testing and geotechnical investigation services on an as and when required basis for a three (3) year period with the option to extend for two (2) additional 1 year periods – Citywide including providing excess soil management services.**

Background:

On an annual basis, Capital Works department delivers approximately \$60 million to \$80 million worth of capital projects such as: road reconstruction, road widening, intersection improvements, road resurfacing, bridges, culverts, noisewalls, stormwater ponds rehabilitation, etc. This includes planning, engineering and construction services to deliver these projects. The material testing and geotechnical investigation services are required for each project to ensure that proper quality control and quality assurance

of workmanship as well as construction materials such as concrete, asphalt and soil, to maintain and achieve high quality of end product.

During planning, design and construction of all capital projects, material testing and geotechnical investigation are required to confirm the type of soil, hydrogeological conditions and environmental contamination. It also includes material testing and inspection services during the construction phase of the project. These investigations and testing helps to mitigate cost over-runs due to unforeseen soil conditions during construction activities.

To undertake this assignment, the City will hire two (2) Consultants to provide material testing and geotechnical investigation services on an as and when required basis for a term of 3 years within the City of Brampton with an option of extending for an additional two years.

The Consultants will provide experienced professionals to perform a variety of tests and reporting as requested, ensuring methodology is in accordance with applicable CSA, MTO, AASHTO and/or CCIL Standards, and provide the test results in report format within the specified timeframe.

The program is coordinated with engineering, operations and construction sections within Public Works & Engineering.

Current Situation:

The Public Works & Engineering Department is prepared to begin the procurement for the material testing and geotechnical investigation services on an as and when required basis for a three (3) year period with the option to extend for two (2) additional 1 year periods Citywide.

The scope of the material testing and geotechnical investigation services include: Road Operations, Road Resurfacing, Capital Construction and Engineering. The major component of this program is material testing services on capital projects, road resurfacing, park pathway construction, parking lot reconstruction, entrance feature construction and bridge rehabilitation projects.

Pending Council approval, the anticipated timing for the start of construction is spring 2022 until spring 2025 (or 2027 when extended by two (2) additional one year period) completion.

Corporate Implications:

Financial Implications:

Funding for this program is available within the Public Works & Engineering approved Capital Budget.

Other Implications:

Purchasing:

A public Procurement Process will be conducted and the lowest compliant Bid will be eligible for contract award. Purchase approval shall be obtained in accordance with the Purchasing By-law.

All communication with Bidders involved in the procurement must occur formally, through the contact person identified in the Bid Document

Term of Council Priorities:

The goal to keep people moving efficiently by investing in new infrastructure and maintaining it in a state of good repair in the “Move and Connect” priority is met utilizing good construction practices to prolong the life of Brampton’s roads and related infrastructure.

Conclusion:

In conclusion, this report recommends that the Purchasing Agent be authorized to commence the procurement for material testing and geotechnical investigation services on an as and when required basis for a **three (3) year period with the option to extend for two (2) additional 1 year periods** within the City of Brampton, as described in this report.

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