



Report
Staff Report
 The Corporation of the City of Brampton
 9/4/2024

Date: 2024-07-30

Subject: **Request to Begin Procurement – Material Testing and Geotechnical Investigation Services on an as and when required basis for a three (3) year period plus two-year (1 + 1) option years - Citywide**

Contact: Pankaj Kohli, Senior Supervisor, Construction, Capital Works

Report number: Public Works & Engineering-2024-645

RECOMMENDATIONS:

1. That the report from Pankaj Kohli, Senior Supervisor, Construction, Capital Works to the Committee of Council Meeting of September 4, 2024, re:**Request to Begin Procurement – Material Testing and Geotechnical Investigation Services on an as and when required basis for a three (3) year period plus two-year (1 + 1) option years - Citywide**, 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 three (3) years plus two-year (1 + 1) option years – 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 including providing excess soil management services for a three (3) year period plus two year (1 + 1) option to extend – Citywide.

BACKGROUND:

On an annual basis, the Capital Works Division delivers approximately \$100 million to \$120 million worth of capital projects such as: road reconstruction, road widening, intersection improvements, road resurfacing, bridges, culverts, noise walls, stormwater ponds rehabilitation, etc. This includes planning, engineering, operations, 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 a high quality of the end product.

During the planning, design, and construction of all capital projects, material testing and geotechnical investigations are essential to confirm soil type, hydrogeological conditions, and environmental contamination, which includes chemical testing during the pre-engineering stages. The process also encompasses material testing and inspection services, and geo-structural analysis during the construction phase, along with excess soil management according to the latest Ministry of Environment, Conservation and Parks (MOECP) guidelines. These investigations and tests help mitigate cost overruns 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 plus two year option years (1+1).

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.

CURRENT SITUATION:

The Capital Works Division 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 plus two year option years (1+1).

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 this contract is winter 2024 with a completion date of fall 2027 for the fixed three year term.

CORPORATE IMPLICATIONS:

Financial Implications:

Funding for Material Testing and Geotechnical Investigation services is available under various capital projects. Departmental staff has identified sufficient funding in the 2024 Capital Budget for year one of the contract and will ensure that sufficient funds are requested for future years of the contract in the annual Capital Budget submission, subject to the Mayor's consideration.

Other Implications:**Purchasing Implications**

A public procurement process will be conducted, and the two (2) lowest compliant Consultant bids will be eligible and qualified 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 RFP Document.

STRATEGIC FOCUS AREA:

This report supports Transit & Connectivity, through ensuring the quality and reliability of construction materials and workmanship, the City of Brampton can maintain and enhance its transportation infrastructure. This initiative supports the goal of providing a connected infrastructure that is safe, convenient, efficient, and sustainable.

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 year fixed term within the City of Brampton, as described in this report.

Authored by:

Reviewed by:

Pankaj Kohli, P.Eng., PMP
Senior Supervisor, Construction
Capital Works

Sunil Sharma, P.Eng.
Director, Capital Works

Approved by:

Approved by:

Peter Pilateris, M.A.Sc., P.Eng.
Commissioner
Public Works and Engineering

Marlon Kallideen
Chief Administrative Officer