

Date: 2023-07-13

Subject: **Request to Begin Procurement for Engineering Services for Widening of Countryside Drive from The Gore Road to Regional Road 50 – Ward 10**

Contact: Jia He
Project Engineer
Capital Works, Public Works and Engineering

Report Number: Public Works & Engineering-2023-621

Recommendations:

1. That the report from Jia He, Project Engineer, Capital Works, Public Works and Engineering to the Council Meeting of July 31, 2023, re: **Request to Begin Procurement for Engineering Services for Widening of Countryside Drive from The Gore Road to Regional Road 50 – Ward 10**, be received; and,
2. That the Purchasing Agent be authorized to commence the procurement for engineering services for widening of Countryside Drive from The Gore Road to Regional Road 50.

Overview:

- This report is to obtain Council authorization to commence procurement for engineering services for widening of Countryside Drive from The Gore Road to Regional Road 50;
- Countryside Drive between The Gore Road and Regional Road 50 is an existing two (2) lanes rural roadway to be widened to four (4) lanes urban roadway and upgraded to include curb, gutter and multi-use pathways; and
- Engineering services provide design for, but is not limited to: road widening, pavement reconstruction, new traffic signals, intersection improvements, storm sewer, new roadway structures (bridges and culverts), landscaping and street lighting.

Background:

- The Region of Peel and the City of Brampton completed a Schedule “C” Class Environmental Assessment in February 24, 2023 for Arterial Roads within the Highway 427 Industrial Secondary Plan Area including Countryside Drive. The study was conducted in compliance with the planning and design process for Schedule “C” projects as outlined in the Municipal Engineers Association, Municipal Class Environmental Assessment document.
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- The Class EA recommended improvements to Countryside Drive including widening from 2 to 4 lanes with curb, gutter and multi-use pathways, new traffic signals, street lighting, intersection improvements, storm sewer, new road structures (bridges and culverts), landscaping, and utility relocations.

Current Situation:

Countryside Drive is a two-lane roadway with a rural cross-section that runs from The Gore Road to the intersection of Regional Road 50/Nashville Road in the east. Existing lane widths range from 3.1 m to 3.6 m, with narrow gravel shoulders. The posted speed limit is 70 km/h.

Under existing conditions, the following issues are identified on Countryside Drive:

- A poorly aligned intersection with Regional Road 50/Nashville Road;
- Lack of AODA-compliant pedestrian facilities;
- Some non-recoverable side-slopes and lack of road side design components;
- Issues with sight distances, grades and roadside safety at the intersection with Clarkway Drive;
- The pavement structure do not meet the heavy truck operation road classification requirement that is required by future development of the adjacent areas;
- Industrial Area in Ward 10 require this section of road reconstructed on a priority basis to meet the future needs of development.

Scope of the Engineering Services:

Countryside Drive between The Gore Road and Regional Road 50 is to be widened to four (4) lanes urban roadway and upgraded to include curb, gutter and multi-use pathways. The work under this design assignment is comprised of but not limited to the following elements:

- Detailed Design of Roadways and Storm Water Sewer components;
- Design of the Roadside safety components;
- Environmental Design;
- Landscaping and Streetscaping Design;

- Geotechnical Design;
- Structural Design of the water crossings;
- Electrical Design (street lighting and traffic signals);
- Pavement design, Pavement Markings and signing;
- Subsurface Utility Engineering;
- Archaeological Assessment and Heritage Impact Assessment; and
- Permitting Application from Regulatory Agencies.

The RFP will be issued in August 2023, subject to Council approval, and the anticipated timelines are listed below.

Completion of the Detailed Design	December 2024
Issue for Tender for Construction	January 2025
Tender Closing	February 2025
Purchase Order Issued	March 2025
Construction Start	April 2025
Completion	December 2026

Corporate Implications:

Financial Implications:

Sufficient funding is available within the Public Works & Engineering approved Capital Budget for this initiative.

Purchasing Comments:

A public Procurement Process will be conducted and the Bid submissions shall be evaluated in accordance with the published evaluation process within the bid document. 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.

Realty Services Comments:

Acquisitions of the property rights for these structures will be required at the south side of Countryside Drive only to limited impact to the existing residential properties.

Term of Council Priorities:

- This report achieves the Strategic Plan priorities for growth management by improving the roadway network to move people more efficiently and to support the advancing urbanization and development within the City of Brampton.

Conclusion:

This report recommends that the Purchasing Agent be authorized to commence the procurement as described in this report.

Authored by:

Reviewed by:

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Attachment 1 – Key Map