



CITY OF HAMILTON
PUBLIC WORKS DEPARTMENT
Engineering Services Division

TO:	Chair and Members Public Works Committee
COMMITTEE DATE:	February 4, 2019
SUBJECT/REPORT NO:	Procurement of Consulting Services for Detailed Design of East West New Road Corridor, Waterdown (PW19013) (Ward 15)
WARD(S) AFFECTED:	Ward 15
PREPARED BY:	Susan Jacob (905) 546-2424, Extension 2621
SUBMITTED BY:	Gord McGuire Director, Engineering Services Public Works
SIGNATURE:	

RECOMMENDATION

That the single sole source procurement, pursuant to Procurement Policy #11 - Non-competitive Procurements be approved and that the General Manager of Public Works be authorized to;

- (a) Negotiate with Dillon Consulting Limited a price to carry-out the detailed design for the New East West Road Corridor from Centre Road to Avonsyde in Waterdown;
- (b) Negotiate for the consulting work, should an acceptable Engineering Fee be agreed upon, and enter into and execute any required contract and any ancillary documents required to give effect thereto with Dillon Consulting Limited, in a form satisfactory to the City Solicitor;
- (c) That the funding for the proposed work is available in the approved budget ID # 4031380390 East-West Road Corridor (Waterdown By-pass) – Roads.

EXECUTIVE SUMMARY

Dillon Consulting had undertaken the Class Environmental Assessment (Class EA) "New East-West Road Corridor" for Waterdown covering a larger area from Highway 6 to Cedar Spring Road (completed in 2012). Further, Dillon Consulting Limited was hired by the City of Hamilton in 2017 through Roster process (C12-07-16) to provide preliminary design for the New Road from Centre Road to Avonsyde Blvd. and to carryout Environmental Studies fulfilling the requirement of Agencies such as Ministry of Natural Resources and Forestry (MNR), Halton Region Conservation Authority, Hamilton Conservation Authority and Niagara Escarpment Commission requirements.

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Dillon's staff are very much acquainted with the details of the project as they have worked on several assignments for this project such as; filing of the Class EA, Preliminary Design, and prepared Terms of Reference's for other Consultant investigations such as Geotechnical and Archaeological Assessment.

They also initiated contacts with Utilities such as Hydro One transmission (HONI) and Canadian Pacific Rail (CPR). The approach of using the same consultant to carryout detailed design was successfully used for several large City projects such as the Lincoln M. Alexander, Red Hill Valley Parkway and for road extension & reconstruction within the Red Hill Business Park (RHBP), resulting in costs below the industry averages. Having Dillon on board for the detailed design will provide a quick start of the detailed design process and permit applications. This would allow the City to stay within the implementation timelines predicted as the New East-West New Road Corridor is required to address the transportation challenges in Waterdown.

Alternatives for Consideration – See Page 5

FINANCIAL – STAFFING – LEGAL IMPLICATIONS

Financial: The estimated cost of detailed design is approximately \$600,000 (for a 4km road including a bridge, 2 roundabouts, 7-culverts, street lighting, landscaping, noise assessment and hydraulics/ hydrology investigation. Funding for this assignment is available, Project ID # 4031380390.

Staffing: None

Legal: None

HISTORICAL BACKGROUND

This project was carried out under the direction of a Project Partnering Group (Project Partners) with staff from the following participating municipalities:

- City of Hamilton
- City of Burlington
- Halton Region

A Class Environmental Assessment (EA) for the New East West Road Corridor from Highway 6 to Brant Street was completed By Dillon in April 2012. Subsequently, Implementation has been staged into the following segments:

➤ Segment 1

Avonsyde Blvd adjacent to Up-County Development (east side), this was undertaken through by a developer.

➤ Segment 2

Centre Rd westerly through Waterdown North Development will also be implemented by developers.

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➤ Segment 3

Public Works assignment is the delivery of the New East-West Road Corridor from Centre Rd to Avonsyde Blvd (see Appendix “A” attached to Report PW19013) including two roundabouts, one at Parkside connection and one at Avonsyde Blvd. connection. City engaged Dillon Consulting in September 2017 to undertake the Preliminary Design and Environmental studies which is currently nearing completion. Real Estate is also working with the property owners to acquire the necessary lands.

➤ Segment 4

Connecting Waterdown North Development to Highway 6, this is outside development segment to be done by the City, timing is unknown.

Dillon Consulting also was engaged to conduct Environmental Studies for the detailed design and approvals/ Permits as required by the Agencies such as Conservation Authorities, Ministry of Natural Resources and Forestry, Department of Fisheries and Niagara Escarpment Commission. These studies are approaching completion except for one study which has a duration of 3-years (Jefferson Salamander) (JESA). The studies included Bat Survey, Tree Inventory, Aquatic Assessment at Grindstone Bridge, Road Mortality, Wild Animal Survey and Species at Risk. Draft Report from these studies is expected in January 2019.

The schedule of the project is predicted to be as follows:

- (1) Detailed Design: Scheduled to be accomplished in 2019
- (2) Permits: Submissions to Agencies are scheduled for submission by end of 2019 for review and granting permits by 2020. CP Rail requires at least 12 months' notice before construction in order to complete the warning system design and order material for the warning system and crossing surface.
- (3) Land Acquisition: Negotiation is on-going. Scheduled to be completed by June 2019.
- (4) Utilities: Scheduled for first half of the year 2020
- (5) Tendering: Scheduled for end of 2020
- (6) Construction: Scheduled to be accomplished in 2021
- (7) Final paving: Scheduled for the Spring of 2022

POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

- POLICY # 11 - Non-competitive Procurements
- POLICY # 13 - Authority to Execute Contracts
- POLICY # 2 - Approval Authority

The requirements of the Procurement Policy # 5.3 to issue a competitive bid is waived in order to allow negotiations within a currently awarded project.

RELEVANT CONSULTATION

The Department of Planning and Economic Development (Real Estate, Growth Management), Financial and Procurement.

The Procurement Section supports the issuance of an open and competitive process to secure a vendor for these services in order to fully comply with applicable trade agreements, specifically the Canada-European Union Comprehensive Economic and Trade Agreement (CETA) and the Canada Free Trade Agreement (CFTA).

ANALYSIS AND RATIONALE FOR RECOMMENDATION

Currently Dillon Consultant Limited is working on Roster Assignment C12-07-16 providing preliminary design and environmental studies; Dillon's staff is well familiar with the project and has been in consultation with Agencies and Utilities. They are well aware of Environmental Impacts and this knowledge will be a great asset dealing with Conservation Authority and Environmental Agencies. Dillon also initiated communication with utilities to familiarise them with the any impact on their facilities, including Canada Pacific Rail (CPR).

The City should realize the cost and time savings by utilizing the same consultant for detailed design. The project schedule is concentrated and tightfitting to achieve City's Capital Projects Implementation Plan. The expected timelines can be best achieved by Sole Sourcing.

ALTERNATIVES FOR CONSIDERATION

The City can prepare a Request for Proposal (RFP) and invite several Consultants to submit detailed Proposals – this approach will take time for the review of proposals and make a selection and then acquaint the new consultant with the project this may delay the project by about 4-6 months.

If the current schedule is delayed, it will have impact on construction completion date and Waterdown Area will continue to face the transportation challenges. This may also impact the Bridge replacement project on Highway 5 at Grindstone Creek (North of Mill St. N).

ALIGNMENT TO THE 2016 – 2025 STRATEGIC PLAN

Community Engagement & Participation

Hamilton has an open, transparent and accessible approach to City government that engages with and empowers all citizens to be involved in their community.

Economic Prosperity and Growth

Hamilton has a prosperous and diverse local economy where people have opportunities to grow and develop.

Healthy and Safe Communities

Hamilton is a safe and supportive city where people are active, healthy, and have a high quality of life.

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Clean and Green

Hamilton is environmentally sustainable with a healthy balance of natural and urban spaces.

Built Environment and Infrastructure

Hamilton is supported by state of the art infrastructure, transportation options, buildings and public spaces that create a dynamic City.

APPENDICES AND SCHEDULES ATTACHED

Appendix "A": Maps of Waterdown Construction Staging Plan