

Report to Civic Works Committee

To: Chair and Members
Civic Works Committee

From: Kelly Scherr, P.Eng., MBA, FEC
Managing Director, Environmental & Engineering Services
and City Engineer

Subject: Dingman Drive Improvements - Appointment of Consulting
Engineer - Detailed Design & Tendering

Meeting on: March 2, 2021

Recommendation

That, on the recommendation of the Managing Director, Environmental & Engineering Services and City Engineer, the following actions BE TAKEN with respect to the Appointment of a Consulting Engineer for the Dingman Drive Improvements Project:

- (a) AECOM Canada Ltd. BE APPOINTED Consulting Engineers to complete the detailed design and tendering services of the Dingman Drive Improvements Project, in the total amount of \$490,426.00, including contingency, excluding HST; in accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy;
- (b) the financing for this project BE APPROVED as set out in the Sources of Financing Report attached, hereto, as Appendix 'A';
- (c) the Civic Administration BE AUTHORIZED to undertake all the administrative acts that are necessary in connection with this project;
- (d) the approvals given, herein, BE CONDITIONAL upon the Corporation entering into a formal contract with the consultant for the work; and,
- (e) the Mayor and the City Clerk BE AUTHORIZED to execute any contract or other documents, if required, to give effect to these recommendations.

Linkage to the Corporate Strategic Plan

Municipal Council's 2019-2023 Strategic Plan identifies "Building a Sustainable City" and "Growing our Economy" as strategic areas of focus. The following report supports the Strategic Plan by implementing and enhancing safe and convenient mobility choices for transit, pedestrians, cyclists and automobile users.

Analysis

1.0 Background Information

1.1 Previous Reports Related to this Matter

- May 21, 2019 - Strategic Priorities and Policy Committee - Approval of 2019 Development Charges By-Law and DC Background Study.
- February 5, 2019 - Civic Works Committee - Dingman Drive East of Wellington Road to Highway 401 and Area Intersections Improvements Environmental Assessment - Appointment of Consulting Engineer.
- June 23, 2020 - Civic Works Committee - Dingman Drive East of Wellington Road to Highway 401 and Area Intersections Improvements - Environmental Study Report.

1.2 Purpose

This report seeks the approval of the Municipal Council to appoint AECOM Canada Ltd as the consulting engineer to carry out the detailed design and tendering services for

the Dingman Drive Improvements from east of Wellington Road to the east of the Highway 401 overpass.

1.3 Background

Dingman Drive is an east-west Civic Boulevard and currently consists of a two-lane rural cross section with no sidewalks or cycling facilities. With future growth and increasing traffic forecasted in the area, this project will bring the corridor up to current design standards. An Environmental Study Report (ESR) for the Dingman Drive corridor and the Dingman Drive and White Oak intersection was approved by Council in June 2020. The ESR identified the transportation infrastructure needs for the Dingman Drive corridor, from east of Wellington Road to the east of the Highway 401 overpass (identified as Phase 1 in the ESR) and identified improvements to the intersection of Dingman Drive and White Oak Road (identified as Phase 2 in the ESR). The transportation improvements will result in improved safety for all road users including transit riders, pedestrians, cyclists and motorists. The improvements will enhance the overall road network and provide better connectivity to adjacent communities by following the City's Complete Streets Design Manual approach. These improvements were identified as a priority in the 2019 Transportation Development Charges Background Study due to the future redevelopment that is anticipated near Wellington Road and Highway 401. The anticipated developments will increase traffic and turning movements in the area significantly.

Subject to Council direction, the City will proceed with detailed design of Phase 1, which extends approximately 1.2 km along Dingman Drive from 150 m east of Wellington Road to the east of the Highway 401 overpass. The Phase 2 improvements to the nearby intersection of Dingman Drive and White Oak Road are scheduled for construction in 2027 and the detailed design will be initiated at a later date. See the map of project areas below.



Figure 1: Project Area Map

2.0 Discussion and Considerations

2.1 Project Description

This assignment will create the detailed design for improvements to Dingman Drive, between Wellington Road and the Highway 401 overpass. This is in response to future area development, and in particular, the London Gateway development, located near the northwest corner of Wellington Road and Dingman Drive,

The recommended improvements for this corridor will accommodate the existing and future travel demands and improve traffic safety. This is an important connection to serve residential, agriculture, and industrial transportation needs in London and the surrounding areas. The Dingman Drive improvements will also provide connectivity for users of the Murray Marr trail by connecting to the soon to be widened Dingman Drive Highway 401 overpass.

As recommended in the ESR, Dingman Drive from Wellington Road to the Highway 401 overpass will be widened to a four-lane urban cross-section that will include multi-use paths, sidewalks, localized turning lanes, curbs, and illumination improvements.

The consultant assignment will consist of providing detailed design and tendering services for the Dingman Drive corridor. Detailed design and tendering will consist of field investigations, approvals from associated agencies, preparation of drawings, contract documents, and cost estimates for review by City staff.

2.2 Construction Considerations

The funding for the reconstruction of Dingman Drive from east of Wellington Road to the Highway 401 overpass is available as early as 2021 as identified in the 2019 Development Charges Background Study. Considering the timing of adjacent development and the necessary timelines for approvals, design and property acquisition, the construction of the Dingman Drive improvements are likely anticipated to be completed in 2023. Coordination of municipal road improvements with the adjacent development will continue.

Coordination with property owners, London Hydro, and regulatory agencies is planned for early in the design process, providing ample time for consultation. Network traffic management and a communications plan will be developed during detailed design to inform road users, outline detours during closures and instruct local traffic movement. Access to commercial and industrial properties will be maintained during construction.

2.3 Procurement Process

AECOM Canada Ltd. was the City's consultant for this project environmental assessment (EA) and successfully completed the study. AECOM was selected to undertake the EA after a two-stage competitive consultant procurement process in accordance with the Procurement of Goods and Services Policy Section 15.2 (e) in which the assignment was publicly advertised and firms were subsequently invited to submit detailed proposals.

Due to AECOM's knowledge and experience on similar design projects, combined with the positive performance during the EA, AECOM was invited to submit a proposal to carry out the detailed design and tendering services of this project.

City staff have reviewed the fee submission in detail considering the hourly rates provided by each of the Consultant's staff members. City staff have confirmed that hourly rates are consistent with those submitted through the competitive process. City staff also reviewed the time allocated to each project related task. The amount of time allocated to each project task is consistent with prior projects of a similar nature that have been awarded through a competitive process.

Given the consultant's specific knowledge and understanding of the project, it is recommended, in accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy, that AECOM be awarded the consulting assignment for the detailed design and tendering services for the Dingman Drive improvements.

The continued use of AECOM Canada Ltd. on this project for detail design and tendering services is of financial advantage to the City due to the fact that the firm has specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected. AECOM Canada Ltd. is intimately familiar with City procedures through recent work on other multi-disciplinary assignments. Subject to successful completion of the design phase of this project, AECOM may be considered for the construction administration stage.

3.0 Financial Impact/Considerations

The funds for this assignment are available in the capital budget. There are no operating budget impacts associated with the award of this design assignment.

Conclusion

An Environmental Assessment (EA) was completed by AECOM Canada Ltd. for improvements to Dingman Drive, from east of Wellington Road to the Highway 401 overpass. These improvements are necessary as planned development in the vicinity will create growth along this corridor. The improvements include widening the road to a four-lane cross-section and provision of bike paths, sidewalks, localized turning lanes, curbs, and illumination improvements.

AECOM Canada Ltd. has demonstrated an understanding of the City's requirements for this project and it is recommended that this firm continue as the consulting engineer for the purpose of the detailed design and tendering service. It is recommended that the assignment be awarded to AECOM Canada Ltd. in the amount of \$490,426 excluding HST as it is in the best financial and technical interests of the City.

Prepared by: Garfield Dales, P. Eng. Division Manager,
Transportation Planning and Design

Submitted by: Doug MacRae, P. Eng., MPA
Director, Roads and Transportation

Recommended by: Kelly Scherr, P. Eng., MBA, FEC
Managing Director, Environmental and Engineering
Services and City Engineer

c: AECOM Canada Ltd.
Violetta Sypien, City of London

Appendix "A"

#21026

March 2, 2021

(Appointment of Consultant)

Chair and Members
Civic Work Committee

RE: Dingman Drive Improvements - Appointment of Consulting Engineer
Detailed Design & Tendering
(Subledger RD200008)
Capital Project TS1746 - Dingman Drive - HWY 401 Bridge to Wellington Road
AECOM Canada Ltd. - \$490,426.00 (excluding HST)

Finance and Corporate Services Report on the Sources of Financing:

Finance and Corporate Services confirms that the cost of this purchase can be accommodated within the financing available for it in the Capital Budget, and that, subject to the approval of the Managing Director, Environmental & Engineering Services, and City Engineer, the detailed source of financing is:

Estimated Expenditures	Approved Budget	Committed To Date	This Submission	Balance for Future Work
Engineering	991,950	112,284	499,057	380,609
Land Acquisition	500,000	469,950	0	30,050
Construction	8,641,300	0	0	8,641,300
Utilities	783,000	0	0	783,000
City Related Expenses	50,000	0	0	50,000
Total Expenditures	\$10,966,250	\$582,234	\$499,057	\$9,884,959

Sources of Financing

Capital Levy	9,215	9,215	0	0
Debenture Quota	879,051	37,946	40,424	800,681
Drawdown from City Services - Roads Reserve Fund (Development Charges) (Note 1)	2,136,629	535,073	458,633	1,142,923
Debenture Quota - Serviced through City Services - Roads Reserve Fund (Development Charges) (Note 1)	7,941,355	0	0	7,941,355
Total Financing	\$10,966,250	\$582,234	\$499,057	\$9,884,959

Financial Note:

Contract Price	\$490,426
Add: HST @13%	63,755
Total Contract Price Including Taxes	554,181
Less: HST Rebate	-55,124
Net Contract Price	\$499,057

Note 1: Development charges have been utilized in accordance with the underlying legislation and the approved 2019 Development Charges Background Study and the 2021 Development Charges Background Study Update.

Jason Davies

Manager of Financial Planning & Policy

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