

Date: January 13, 2021

To: Chair and Members of General Committee

From: Geoff Wright, P.Eng, MBA, Commissioner of  
Transportation and Works

Originator's files:  
TWMR08508

Meeting date:  
January 27, 2021

## **Subject**

**Single Source Procurement with HDR Corporation for Transportation Consulting Services, File Ref: PRF005162**

## **Recommendation**

That the Purchasing Agent or designate be authorized to execute a contract with HDR Corporation to undertake a Transportation Background Study for the update to the Development Charges By-law at an estimated cost of \$150,000.

### **Report Highlights**

- The City of Mississauga is undertaking an interim Development Charges By-law update with the intention to adopt the new by-law by the first quarter of 2022. This is in response to new legislation passed by the Ontario government.
- As part of the Development Charges By-law update, a Transportation Background Study is required. The purpose of this study is to identify the growth-related capital costs for the city-wide major road network from 2022-2041 and the City's transit-related capital cost requirements for a ten-year period from 2022-2031.
- The City of Mississauga retained HDR Corporation in July 2020 to complete the Transit and Road Infrastructure Plan (previously called the Vehicular and Transit Master Plan - PRC002220) which will provide a blueprint for the investment in our road and transit infrastructure over the next 20 years.
- The scope of work for the Transit and Road Infrastructure Plan overlaps with work required to be completed for the 2022 Development Charges Transportation Background Study.
- Transportation and Works staff recommends that HDR be retained, on a single source basis, for the consulting services required to undertake the Transportation Background Study for the 2022 Development Charges By-law update.

## Background

Ontario has introduced regulations that expand on how the Community Benefits Charges, which was initially announced in Bill 108 in 2019 and revised by Bill 197 in 2020, will function. Ontario Regulation 509/20 (“Community Benefits Charges and Parkland”) came into force on September 18, 2020 under the *Planning Act*. This regulation was filed to implement the new community benefits charges and parkland regulation and starts the two-year period for municipalities to include these provisions into their plans.

In response to the filing of these regulations, the City of Mississauga is undertaking work to develop a Community Benefits Charges By-law. At the same time, staff will also be working on a full update to the City’s Development Charges By-law in order to keep these two charges aligned moving forward. The expected timeline for adopting these new charges is the first quarter of 2022.

As part of the Development Charges By-law update, a Transportation Background Study is required to be undertaken. The purpose of this study is to identify the growth-related capital costs for the city-wide major road network from 2022-2041 and the City’s transit-related capital cost requirements for a ten-year period from 2022-2031. The study provides details on the capital infrastructure requirements for the Roads and Related Infrastructure Services Plan, including the road infrastructure cost methodology and network service level analysis, as well as a ridership and brief cost of growth analysis (e.g. asset management plan and long-term capital and operating impact analysis) for Transit Services. Appendix 1 provides an overview of the study’s scope of work.

The Roads and Related Infrastructure capital program recovers costs for a wide range of road infrastructure, the largest being the roads themselves which includes both the arterial and major collector road systems. Additional related infrastructure included in the Roads and Related Infrastructure DC capital program are grade separations, intersection improvements, cycling facilities, etc. Historical service level measures as well as the cost and timing of projects included in the Roads and Related Infrastructure capital program will be developed by City staff and the City’s engineering consultant. The Transportation Background Study sets out what capital projects are required to service future population and employment growth in the City to 2041. The benefits of the services are considered to be city-wide for the purposes of calculating the development charge.

## Comments

HDR Corporation is a large design firm that has been specializing in engineering, architecture, environmental and construction services for over 100 years. They are recognized as a leader in multi-modal transportation planning and engineering in the Greater Toronto Area, offering a broad array of services. They bring extensive, multi-disciplined experience in developing strategic multi-modal transportation plans based on the principles of integration between

transportation, land use planning and economic development for public sector clients across Canada.

HDR Corporation is providing Transportation Consulting services to the City as of July 2020; the company was selected through a competitive procurement process in order to carry out the Transit and Road Infrastructure Plan. The Transit and Road Infrastructure Plan is a city-wide plan to address pressures and issues faced by travellers using our road and transit infrastructure. This study will identify a long-term transit network plan and a long-term road network plan – infrastructure plans critical to achieving the City's transportation vision. The final deliverable will be a document that will guide actions, policies and transportation investment in Mississauga over the next 20 years.

### **Contract Award to HDR Corporation**

HDR is the Consultant retained to undertake the Transit and Road Infrastructure Plan, which will have results that inform as well as overlap with scope for the Development Charges Transportation Background Study. HDR is exceptionally familiar with the *Development Charges Act* and transportation planning both in the GTA and within Mississauga specifically. They do not need to familiarize themselves with the complex background transportation work having already done so for the Transit and Road Infrastructure Plan and can therefore proceed immediately to commence the Transportation Background Study. As such, it is advantageous to continue with HDR under a new contract for the Transportation Background Study.

Staff recommends that HDR Corporation be retained to provide consulting services for the 2022 Development Charges Transportation Background Study, on a single source basis as it is both cost effective and time effective to do so.

Based on initial discussions with HDR Corporation and adding in a 15% contingency amount, the estimated cost for engineering consulting services in support of this study is approximately \$150,000. Funding is available in the Development Charges Update (Major Roads) Project (PN 21102-TWMR08508).

### **Purchasing By-law Authorization**

Purchasing By-law No. 374-06 Schedule A 1. (b) provides for single sourcing vendors when (iv) the solicitation of competitive Bids would not be economical to the City. The By-law requires Council approval for single source contract awards having a value of \$100,000 or more. Materiel Management and Transportation and Works staff will collaborate to establish the detailed requirements, negotiate the final arrangements and prepare any required documents including the contract.

## **Financial Impact**

The estimated cost of the contract with HDR Corporation for the Development Charges Transportation Background Study is approximately \$130,000. A 15% contingency amount for

the project is also recommended, which would bring the estimated costs to approximately \$150,000. Funding is available in the Development Charges Update (Major Roads) Project (PN 21102-TWMR08508). This project was pre-approved by Council starting January 1, 2021 (November 2020 Budget Committee – Item 7.2 – BC-0026-2020).

## Conclusion

In order to deliver a Transportation Background Study to inform the overall 2022 Development Charges Update Study within the proposed time frame and to take advantage of economical efficiencies, it is essential to begin the project as soon as possible with a Consultant who is already conducting similar work for the City.

HDR Corporation has built a clear understanding of this project through their current work on the Transit and Road Infrastructure Plan, which has overlapping scope with the Development Charges Transportation Background Study.

Transportation and Works is recommending that a contract be entered into with HDR Corporation on a single source basis to complete this project.

## Attachments

Appendix 1 – Summary Statement of Work



Geoff Wright, P.Eng, MBA, Commissioner of Transportation and Works

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