

City of Mississauga
Corporate Report



<p>Date: May 9, 2023</p> <p>To: Chair and Members of General Committee</p>	<p>Originator's files:</p>
<p>From: Geoff Wright, P.Eng, MBA, Commissioner, Transportation & Works</p>	<p>Meeting date: June 7, 2023</p>

Subject

Single Source Procurement to HDR Corporation for the Dundas Street West Retaining Walls Project, (Wards 6 and 7)

Recommendation

That the Chief Procurement Officer or designate be authorized to execute a contract with HDR Corporation for additional contract administration services for the Dundas Street West Retaining Walls Project in the amount of \$625,600 (excluding taxes), as outlined in the report entitled "Single Source Procurement to HDR Corporation for the Dundas Street West Retaining Walls Project (Wards 6 and 7)", dated May 9, 2023 from the Commissioner of Transportation and Works.

Executive Summary

- This report is seeking approval to single source HDR Corporation for additional scope in the contract administration services to be provided for the Dundas Street West Retaining Walls Project.
- No increase to the Capital Budget is required.

Background

In 2019, the City retained HDR Corporation (HDR) through the Infrastructure Planning and Engineering Services (IPES) Consulting Services Roster (Procurement No. PRC001136) for engineering services to undertake two phases of work: (i) detailed design and, (ii) provisionally, contract administration during construction, related to the replacement of retaining walls at the following two (2) locations along Dundas Street West:

- Between the Credit River and Erindale Park, and
- Between Dundas Crescent and Robinson Street.

The project was initiated as an emergency repair response due to loss of foundation supporting a stretch of sidewalk adjacent to the Credit River Valley north of Dundas Street West. A gabion basket retaining wall system was proposed however the design concept evolved to use a soldier pile retaining wall system that will incorporate a multi-use trail (Change Order #1, March 24, 2020). This concept was further advanced to incorporate a widening of project areas and adding a multi-use trail and a sidewalk that were envisioned in the Dundas Connects Master Plan (Change Order #2, October 15, 2020). This widening of project areas necessitates the new retaining walls to be constructed on the Significant Natural Areas which have significant environmental and cultural heritage. As such, several additional studies were requested by conservation and heritage agencies such as the Credit Valley Conservation Authority (Change Order #3, February 23, 2021), The Ministry of Environmental, Conservation and Parks, and The Ministry of Tourism, Culture and Sport (Change Order #3, Revision #1, February 14, 2022).

The fees for construction contract administration and inspection of the retaining wall replacement assumed eight (8) weeks or \$30,400 in the Original Contract. Change Order #1 allocated additional \$40,800 to account for associated construction complexity of a soldier pile wall system. Change Order #2, #3 and #4 further expanded the project area of the new retaining walls but did not allocate additional allowance for construction administration and inspection. Instead, an amount of \$55,825 was removed from the construction administration and inspection allocation to cover the design fees for Change Order #3. This reallocation results in \$15,375 remaining for construction administration and inspection.

The existing and revised Contract amounts are summarized in Table 1 below:

Table 1: Existing and Revised Contract Amounts					
Contract Item	Design	Construction Contract Administration and Inspection	Environmental and Heritage Study Reports	Contingency	Total
Original Contract: Implementation of gabion basket retaining walls.	\$109,740	\$30,400			\$140,140
Change Order #1: Implementation of soldier pile retaining walls to incorporate a multi-use trail.	\$36,200	\$40,800		\$3,000	\$80,000
Change Order #2: Widening of retaining walls to incorporate the future Dundas Connects Master Plan	\$19,600			\$10,400	\$30,000
Change Order #3:	\$55,825	(\$55,825)	\$53,710		\$53,710

Environmental permit and assessment reports					
Change Order #3, Rev 1: Additional heritage and environmental reports	\$13,980		\$36,576		\$50,556
Totals	\$235,345	\$15,375	\$90,286	\$13,400	\$354,406

Present Status

The detailed design for the retaining wall replacement to align with the future Dundas Connects corridor project has been completed. Construction is expected to take about 70 weeks, between 2023 summer and 2025 spring. This a significant increase from eight (8) weeks of construction period assumed in the Original Contract.

Comments

HDR Corporation has been the Engineer-of-Record for the design of the retaining wall replacement since 2019. Retaining HDR Corporation for construction contract administration and inspection will allow for continuity of technical knowledge and contract management during the construction phase. Staff recommend that HDR be retained for the additional construction contract administration and inspection for the installation of retaining walls at two locations on Dundas Street in the amount of \$625,600.

Procurement By-law Authorization

Procurement By-law #0013-2022 Schedule A, (1) provides for single sourcing suppliers when: (h) For additional Goods and/or Services from the original Supplier that were not included in the original Procurement, if the change of Supplier for such an additional Goods and/or Services cannot be made for: (ii) would cause significant or substantial duplication of costs for the City. The By-law requires Council approval for single source contract awards having a value of \$100,000 or more. Procurement Services and Transportation and Works staff will collaborate to establish the detailed requirements and final arrangements to prepare any required documents including the contract.

Financial Impact

The Capital Budget for the construction of the retaining walls at two locations on Dundas Street, PN 21154, has sufficient funds available to accommodate the proposed Contract administration and inspection, in the amount of \$625,600. No increase to the Capital Budget is required.

Conclusion

HDR Corporation is required for construction contract administration and inspection for the construction of retaining walls at two locations on Dundas Street West. The Contract with HDR was procured through the old IPE Consulting Services Roster (PRC001136) as an emergency repair. To single source with HDR Corporation provides continuity for the City for this project and continues to represent good value. HDR Corporation is sufficiently resourced to accommodate the additional work.

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

Attachments

- Appendix 1: Original Contract - Structural Roster Assignment: Rehabilitation of Dundas Street West Retaining Walls. November 11, 2019.
- Appendix 2: Change Order #1 – Design Scope Change – Structural Roster Assignment: Rehabilitation of Dundas Street West Retaining Walls. March 24, 2020.
- Appendix 3: Change Order #2 – Design Scope Change – Structural Roster Assignment: Rehabilitation of Dundas Street West Retaining Walls. October 15, 2020.
- Appendix 4: Change Order #3 – Design Scope Change – Structural Roster Assignment: Rehabilitation of Dundas Street West Retaining Walls. February 23, 2021.
- Appendix 5: Change Order #3, Rev. 1 – Additional Heritage and Environmental Reports – Structural Roster Assignment: Rehabilitation of Dundas Street West Retaining Walls. February 14, 2022.
- Appendix 6: Proposal for Change Order #4 – Consulting Engineering Services During Construction of Dundas Street West Retaining Wall Project. May 5, 2023.



Geoff Wright, P.Eng, MBA, Commissioner, Transportation & Works

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