

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

Contract Amendment to Increase Contract Upset Limit with Morrison Hershfield Limited for the Rehabilitation of five (5) Bridges on Burnhamthorpe Road West over the Credit River, Mullet Creek and Sawmill Valley Pedestrian Trail, Procurement No. PRC002097 (Wards 6 and 8)

Recommendation

That the Chief Procurement Officer or designate be authorized to increase the Contract Upset Limit with Morrison Hershfield Limited (Procurement No. PRC002097) by an additional amount of \$455,033 to allow for additional contract administration services for the rehabilitation of Burnhamthorpe Road West Bridges over the Credit River, as outlined in the report entitled "Contract Amendment to Increase Contract Upset Limit with Morrison Hershfield Limited for the Rehabilitation of five (5) Bridges on Burnhamthorpe Road West over the Credit River, Mullet Creek and Sawmill Valley Pedestrian Trail, Procurement No. PRC002097 (Wards 6 and 8)", dated May 9, 2023 from the Commissioner of Transportation and Works.

Executive Summary

- This report is seeking approval to increase the Contract Upset Limit with Morrison Hershfield Ltd. to allow for additional scope in the contract administration services to be provided for the rehabilitation of five (5) bridge structures on Burnhamthorpe Road West (Procurement No. PRC002097).
- The requested increase to the Contract is more than 20% of the Original Contract Value and more than \$100,000. Therefore, Council approval of the increase is required in accordance with Policy 03-06-12 - Contract Amendments and Terminations, Section A.3.
- No increase to the Capital Budget is required.

Background

In early 2020, the City retained Morrison Hershfield through a competitive bid process (Procurement No. PRC002097) for engineering services to undertake three phases of work: (i) detailed condition surveys, (ii) detailed design and, (iii) provisionally, contract administration during construction, related to the structural rehabilitation of the following five (5) bridge structures along Burnhamthorpe Road West:

- Bridge No. 025004 over Sawmill Valley Pedestrian Trail;
- Bridge No. 024001EB over the Credit River;
- Bridge No. 024001WB over the Credit River;
- Bridge No. 024002 EB over Mullet Creek; and
- Bridge No. 024002WB over Mullet Creek.

Increases were made to the Contract for additional non-destructive testing of post-tensioning tendons at the four (4) bridges over the Credit River and Mullet Creek on August 24, 2020 (Change Order #1); additional detailed design at the four (4) bridges over the Credit River and Mullet Creek (Change Order #2) on July 15, 2022; and construction contract administration and inspection for Sawmill Valley Pedestrian Trail Bridge (Change Order #2) on July 15, 2022. This work has been completed. Also completed are the detailed condition surveys for all five (5) bridges.

Present Status

The detailed design for the twin bridges over the Credit River on Burnhamthorpe Road West has been completed, with construction expected to start this fall. The detailed design for the twin structures over the Mullet Creek is ongoing with anticipated construction to start in 2024.

Comments

This report is seeking authority from Council to increase the Contract Upset Limit to allow for construction contract administration and inspection at the twin bridges on Burnhamthorpe Road West over the Credit River. The requested increase to the Contract is more than 20% of the Original Contract Value and more than \$100,000. Therefore, Council approval of the increase is required in accordance with Policy 03-06-12 - Contract Amendments and Terminations, Section A.3.

The Contract Value allocated for contract administration and inspection of the Credit River bridge rehabilitation assumed one (1) month of construction only. This was for bid evaluation purposes however and an update to this requirement is needed to reflect the anticipated construction duration of (14) months. Morrison Hershfield has provided a proposal and fee estimate of \$455,033 for this work, attached as Appendix 1. The revised Contract Value for rehabilitation of five (5) bridge structures on Burnhamthorpe Road West is \$1,550,722.60 (excluding taxes).

Once the twin Mullet Creek bridges proceed to construction in 2024 respectively, the value for Phase 3 (contract administration and inspection) will need to be updated again to reflect the anticipated construction duration for these structures.

Financial Impact

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

Table 1: Existing and Revised Contract Amounts					
Contract Item	Original Value	Change Order #1	Change Order #2	Change Order #3	Revised Upset Limit
Phase 1: Detailed Condition Survey	\$361,482.70				\$361,482.70
Phase 2: Detailed Design	\$258,635.50				\$620,118.20
a) Additional non-destructive testing at bridges over Credit River and Mullet Creek		\$54,956.00			\$675,074.20
b) Additional cavity tree survey at bridges over Credit River and Mullet Creek			\$7,892.20		\$995,689.60
c) Additional detailed design scope at bridges over Credit River and Mullet Creek			\$117,917.20		
Phase 3: Construction Contract Administration and Inspection for Sawmill Valley Pedestrian Trail Bridge			\$194,806.00		
Contingency			\$100,000.00		\$1,095,689.60
Phase 3: Construction Contract Administration and Inspection for Credit River Bridges on Burnhamthorpe Road West for 14 months				\$455,033.00	\$1,550,722.60
Totals	\$620,118.20	\$54,956.00	\$420,615.40	\$455,033.00	\$1,550,722.60

The Capital Budget for the construction of the Burnhamthorpe Road West bridges over the Credit River, PN A21151, has sufficient funds available to accommodate the proposed increase to Phase 3 (contract administration and inspection) of \$455,033

No increase to the Capital Budget is required.

Conclusion

An increase to the existing Contract with Morrison Hershfield is required for construction contract administration and inspection for the bridge rehabilitation on Burnhamthorpe Road West over the Credit River. The Contract with Morrison Hershfield was established competitively. The Morrison Hershfield contract continues to represent good value and is sufficiently resourced to accommodate the additional work.

Attachments

Appendix 1: Proposal for Phase 3 Construction Contract Administration for Rehabilitation of Bridge 024001 EB & WB – Burnhamthorpe Road West over Credit River Bridges



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

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