MISSISSAUGA

Contract

FILE END DATE

ATE 10.5

Corporate Services Department Materiel Management

City of Mississauga 300 City Centre Drive MISSISSAUGA ON L58 3C1 Te: 905-895-5233 tract

Exception The Varior must contact the Eujer named below if the Vendor disagrees with according to the Internation contained herein.

The City will not accept any expensability to any Vendorther any order or any variation or change therein unless it is issued on an official. City form and approved by the Purchasing Agent Unions otherwise provided tween, any written accomplishing or the common of the control of the common of the commo

Vendor:

00001

\$0,000.00

FAX: 905-515-6185

HDR CORPORATION

100 YORK BOULEVARD, STE 300 RICHMOND HILL ON L4B 1J8

Fax Number: 289-695-4601

Purchase Order Number must appear on all documents, correspondence and stipping containers covered by IL

Ship to

AS DIRECTED

Release Order

Submit invoice to:

The Corporation of the City of Mississauga

PO Number 4500515487 PO Date 2020 03 24 Purchasing Agent PO Revised Date Contract Number 4600017276 City Ref. PRC001136 Vendor Number 1025282 Purceing April Valid from Valid to Buyer/phone S/Centre Fleet Inv/905-615-3200 ext 3067 Contra of Manager Email Payment Terms Delivery Date: Delivery Terms: within 30 days Due net FOB DESTINATION 2020 03 24 Freight Currency Ship via CAD Contract Manager: Muneef Ahmad @ (905) 615-3200, ext. 4793, or by email at muneef.ahmad@mississauga.ca -OR-Vicky Wei @ (905) 615-3200, ext. 3017, or by email at vicky.wei@mississauga.ca This Purchase Order incorporates the contract documents, including without limitation the terms and conditions of the Professional Services Agreement from Procurement Number PRC001136. Material Item Description Order Unit Price per unit Extension Quantity

Project Name Description: Dundas Street Retaining Wall Rehabilitation

Dollars

Roster Category:Structural Engineering Municipal

IPE Consultant Roster Assignment

Vendor.

HDR CORPORATION

100 YORK BOULEVARD, STE 300 RICHMOND HILL ON L4B 1J8

Fax Number: 289-695-4601

PO Number PO Date 4500515487 2020 03 24

Page 2

77	Mater	ial	Description		
Order		Unit		Price per unit	Extension
Quantity					
Quote Da	e Marc	h 23, 2020			
PMR: Dom	enic	Galati			
		1.5		1.00	80,000.00
			HST		10,400.00
			Item Net Price		90,400.00
			Gross Price		80,000.00
			HST		10,400.00
			Purchase Orde	r Total	90,400.00



March 9, 2020

Domenic Galati, C.E.T., L.E.L. Capital Project Manager, Capital Works Transportation and Works Engineering and Construction City of Mississauga

RE: Design Scope Change

Structural Roster Assignment: Rehabilitation of Dundas Street Retaining Walls

Dear Mr. Galati,

HDR is submitting a change order request for the revised design of the Dundas Street West Retaining Wall. The scope of the additional service is based on the Project Manager Hand Over meeting that was held on February 28, 2020. The design scope change will include the following:

- Revise 30% design submission to incorporate the multi-use path and soldier pile wall at both east and west retaining walls
- Provide additional geotechnical input from Thurber Engineering
- Review utility locate information from the City of Mississauga and revise the design for the east retaining wall
- Submit revised construction cost estimate and schedule
- Re-submit 30% design
- Additional design effort and drawing preparation for 90%
- Provide full time construction inspector and part time contract administrator.

The additional fee to complete the additional geotechnical work is \$ 2,500 excluding HST. Also attached is a HDR's fee breakdown for project management, preliminary design revision, design alternative development, and full time construction inspection, at a total fee of \$ 74,500 excluding HST. We therefore respectfully request a total additional fee of \$ 77,000 for the service.

Please feel free to contact us should you have any questions regarding this request for design change order.

Sincerely, HDR Corporation

Goby Jeyagoby

Bridges Practice Lead - Canada

Tyrone Gan

Senior Vice President

DESIGN SCOPE CHANGE ADDITIONAL FEE

PM - Project Manager

SE - Senior Bridge Engineer

IE - Intermediate Bridge Engineer

JE - Junior Bridge Engineer/EIT

IC - Intermediate Civil Engineer

JC - Junior Civil Engineer/EIT

IN - Inspector

CA - Contract Administrator

	Project Management				Strucutural							Civil/Road			Const	truction	1	
		PM		Admin.	:	SE		IE	JI		Tech. /Drafter	IC	JC		CA	IN	Total Hr.	Sub-Contractor
Rate	\$	185.00	\$	70.00	\$:	175.00	\$	140.00	\$ 10	00.00	\$ 100.00	\$ 140.00	\$ 100.0	0 \$	100.00	\$ 100.00		
Project Management - Design Revision																		
Additional Project Management		10															10	
Additional Core Project Team Meetings (3 Meetings)								3				3					6	
Additional Meeting with the City including 30% re-submission and PM				1	Ι,	_											4.4	
Hand over Meeting (2 Meetings)		6		2	6	ь						I					14	
Preliminary Design - Design Revision																		
Development of Design Options and Cost Estimate including Multi-Use		2				8		22				6	2				58	
Path and Soldier Pile Options		2			8	ŏ	32	32	8	'		Ö	2				58	
Additional Geotechnical Input																	0	2500
Cost Estimate Revision						1		4				4					9	
Structural Design Memo Revision						1	:	12	4								17	
Preliminary Design Drawing Revision						4		8			40	1	2				55	
QA/QC		2										2					4	
Detailed Design																	0	
Additional design effort for revised scope of works		2				4		8	12	2	32	4	8				70	
Construction																	0	
Additional hours for Construction Admisistration and Inspection		•								_					68	340	408	
Total Hour		22		2	- 2	24	(67	24	1	72	20	12		68	340		
Total Cost	\$ 4	1,070.00	\$	140.00	\$ 4,2	200.00	\$ 9	,380.00	\$ 2,4	00.00	\$ 7,200.00	\$ 2,800.00	\$ 1,200.0	0 \$	6,800.00	\$ 34,000.00	\$ 72,190.00	

 Project Management
 \$ 4,300

 Structural Design
 \$ 23,200

 Roadway Design
 \$ 4,000

 Construction
 \$ 40,800

 Geotechnical
 \$ 2,500

 Expense (3%)
 \$ 2,200

 Total
 \$ 77,000

REVISED DESIGN SCHEDULE (DRAFT)

City of Mississauga Dundas Street West Retaining Wall Rehabilitation

ID	Task Name	Duration	Start	Finish	Nov '19	ug '20
1	New Design Schedule	192 days	Mon 11/11/19	Wed 8/5/20	27 3 10 17 24 1 6 13 22 23 3 12 13 20 2 3 10 23 1 6 13 22 23 3 12 13 20 3 10 17 24 31 7 14 21 26 3 12 13 20 2	1
2	Start -Up Meeting	0 days	Mon 11/11/19	Mon 11/11/19	♠ 11/11	
3	Internal Meeting	130 days	Mon 11/11/19	Fri 5/8/20		
4	30% Design	55 days	Mon 11/11/19	Fri 1/24/20		
5	30% Design Submission (Including Draft Condition Survey Report, Draft Geotechnical Investigation Report, Draft Structural Design Memo, General Arrangement)	0 days	Fri 1/24/20	Fri 1/24/20	↓ 1/24	
6	30% Design Meeting	0 days	Thu 1/30/20	Thu 1/30/20	→ 1/30	
7	PM Handover Meeting	0 days	Fri 2/28/20	Fri 2/28/20	→ 2/28	
8	Prepare and Submit Design Change Order	5 days	Mon 3/2/20	Fri 3/6/20		
9	Revised Geotechnical Investigation Report	10 days	Mon 3/9/20	Fri 3/20/20		
10	Submit Draft Letter (Credit River Conservation) to the City of Mississauga	0 days	Wed 3/11/20	Wed 3/11/20	→ 3/11	
11	Final Letter to the Credit River Conservation by HDR	0 days	Fri 3/13/20	Fri 3/13/20	→ 3/13	
12	Potential Meeting with the City of Mississauga in regarding tree removal and the Credit River Conservation	5 days	Mon 3/16/20	Fri 3/20/20		
13	Tree clerance by City of Mississauga prior to Bird Nesting Season	12 days	Mon 3/16/20	Tue 3/31/20		
14	Utility Locate by City of Mississauga	15 days	Mon 3/9/20	Fri 3/27/20		
15	Proposed 30% Design Re-Design	15 days	Mon 3/9/20	Fri 3/27/20		
16	Finalized 30% Design Re-Design	5 days	Mon 3/30/20	Fri 4/3/20		
17	30% Design Re-Submission	0 days	Fri 4/3/20	Fri 4/3/20	4/3	
18	30% Design Re-Submission Comments/Meet	0 days	Tue 4/7/20	Tue 4/7/20	4/7	
19	90% Design	10 days	Wed 4/8/20	Tue 4/21/20		
20	90% Design Submission	0 days	Tue 4/21/20	Tue 4/21/20	4/21	
21	90% Design Meeting	0 days	Tue 4/28/20	Tue 4/28/20	4/28	
22	100% Design	5 days	Wed 4/29/20	Tue 5/5/20		
23	100% Submission	0 days	Tue 5/5/20	Tue 5/5/20	5/5	
24	Tender Package Preparation	5 days	Wed 5/6/20	Tue 5/12/20		
25	Tender Package Submission	0 days	Tue 5/12/20	Tue 5/12/20	₹ 5/12	
26	Tender Process by City of Mississauga	30 days	Wed 5/13/20	Tue 6/23/20		
27	Tender Award	30 days	Wed 6/24/20	Tue 8/4/20		4
28	Construction Begins	0 days	Wed 8/5/20	Wed 8/5/20		8/5