

August 26, 2020

City of Mississauga
201 City Centre Drive, Suite 800
Mississauga, Ontario
L5B 2J4

Attention: Matthew Sweet
Project Manager

**RE: The Collegeway Cycling Infrastructure Implementation
Detailed Design Fees
PRC000902; WSP File: 18M-01721-00**

Dear Sir:

As requested, WSP has provided a cost estimate (attached) for detailed design for the Collegeway Cycling Infrastructure Implementation Study. The scope of detailed design has since changed from the submission in response to the RFP in 2018, which was based on the assumption of a “road diet” on the Collegeway between Winston Churchill Boulevard and Mississauga Road. Based on recent direction from the City, the scope of work for detailed design is now updated to include the implementation of in-boulevard cycle track, on both sides of the roadway from Winston Churchill Boulevard to South Millway (east of Erin Mills Parkway).

The detailed design costs include the following tasks:

- Topographic survey from edge of pavement to property line;
- Tree inventory survey;
- Geotechnical investigation including boreholes in boulevards;
- Update existing utility plans;
- Detailed design review meeting for 30%, 60% and 90% submissions;
- Meetings (as outlined in the table attached) with City of Mississauga staff including roads, traffic signals, street lighting, landscaping and noise walls;
- Coordination with City of Mississauga staff with respect to contract drawings and specifications for items outside of WSP’s scope of work;

- Prepare cycling track contract drawings, specifications and tender item; and,
- Meetings with MiWay, Peel Region and South Common Mall representatives.

It is our understanding, the City of Mississauga will prepare contract drawings and specifications for roadworks including pavement markings, traffic signals, street lighting, landscaping and noise walls.

The original project budget included \$38,330 for detailed design, which was originally intended to be a “road diet” scope (i.e. lane reduction from 4 travel lanes to 2 travel lanes with on street bike lanes). Based on the new scope of work, the detailed design fee estimate is \$127,923, per the attached.

The additional fee required for detailed design is \$89,593.

If you require further information, please do not hesitate to contact the undersigned.

Yours sincerely,



Jay Barich, P.Eng.
Department Manager – Construction
Administration

DETAILED DESIGN FOR THE COLLEGEWAY CYCLE TRACK - WINSTON CHURCHILL BOULEVARD TO SOUTH MILLWAY EAST					07-Aug-20
PERSON HOURS					
DESCRIPTION OF WORK	ROAD DESIGN				TREE SURVEY
	PM	Design Tech.	Survey Tech.	CAD	Arborist
HOULY RATES	\$240	\$125	\$116	\$135	\$100
1. PRELIMINARY DESIGN AND CONSULTATION					
1.1 Attend Start-up Meeting with COM PM	4.0	4.0			
1.2 Topographic Survey			80.0		
1.3 Field Review / Collect and Review Background Data	1.0	5.0			
1.4 Prepare Base Plans		5.0		25.0	
1.5 Tree Survey					60.0
1.6 Develop Preliminary Drawings	2.0	15.0		40.0	
1.7 Prepare cross-sections	1.0	15.0			
1.8 Send preliminary drawings to utility companies for mark-up		10.0			
1.9 Coordinate drawings including chainage with City design teams	1.0	4.0		4.0	
1.10 30% Design Submission	1.0	8.0		8.0	
1.11 Attend 30% Design Review Meeting	4.0	4.0			
SUB-TOTAL PRELIMINARY DESIGN AND CONSULTATION	14.0	70.0	80.0	77.0	60.0
2. DETAIL DESIGN					
2.1 Detail Design / Contract Drawings					
2.1.1 Title Sheet		0.5		2.0	
2.1.2 Index Sheet		1.0		5.0	
2.1.3 Removals (8 sheets) 1:250 scale	1.0	15.0		15.0	
2.1.4 New Construction (16 sheets) 1:250 scale	5.0	30.0		45.0	
2.1.5 Cycle Track Pavement Markings and Signing (8 sheets) 1:250 scale	2.0	15.0		30.0	
2.1.6 Typical Sections (4 sheets)	1.0	10.0		22.5	
2.1.7 Details (2 sheets)	1.0	4.0		15.0	
2.1.8 Coordination with City design teams w.r.t. drawings and specs	1.0	4.0		4.0	
2.2 Permits	1.0	5.0			
2.3 60% Submission	2.0	5.0		5.0	
2.4 60% Review Meeting with City PM, traffic signals, lighting, noise walls, landscaping and roadworks	5.0	5.0			
2.5 Quantities	2.0	7.5		2.0	
2.6 Special Provisions / Specifications	15.0	22.5			
2.7 Engineer's Construction Estimate	1.0	5.0			
2.8 60% revisions	1.0	15.0		15.0	

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PERSON HOURS						
DESCRIPTION OF WORK	ROAD DESIGN				TREE SURVEY	
	PM	Design Tech.	Survey Tech.	CAD	Arborist	
2.9	90% Submission	2.0	5.0		5.0	
2.10	90% Review Meeting with City PM, traffic signals, lighting, noise walls, landscaping and roadworks	5.0	5.0			
2.11	90% revisions	4.0	15.0		15.0	
2.12	100% Finalize Drawings / Documents	5.0	15.0		5.0	
2.13	Assistance During Tendering and Bid Review	2.0	7.5			
2.14	Prepare issued for construction drawings		5.0		15.0	
2.15	Support during construction	5.0	40.0		8.0	
2.16	Prepare as-built drawings		3.0		30.0	
SUB-TOTAL DETAIL DESIGN		61.0	240.0	0.0	238.5	0.0
TOTAL PERSON HOURS		75.0	310.0	80.0	315.5	60.0
Disbursements		\$2,500				
Geotechnical Investigation		\$10,800				
SUB-TOTAL		\$121,923				\$6,000
TOTAL		\$127,923				