



11 East Superior Street, Suite 420
Duluth, MN 55802
218.724.8578
tkda.com

April 1, 2021

Via Email: jshoberg@DuluthMN.gov

Mr. Jim Shoberg, PLA
Senior Planner
City of Duluth—Facilities Management
1532 W. Michigan Street
Duluth, Minnesota 55806

Re: Request for Amendment 3 to Agreement L30159
Additional Engineering Services-Design and Construction Phases
Fairmount Snowmobile Trail Predesign
TKDA Project No. 17426.000

Dear Mr. Shoberg:

Per our recent discussion, we propose to provide Additional Engineering Services for the Fairmount Snowmobile Trail Project. Our Team completed the initial scoping and concept layout phases to assist the City with its Federal Recreational Trail Program (F RTP) funding application and are now working on bidding documents for the Project. Our initial proposal was based on the concept of using pre-fabricated bridge abutments for all four trail structures. Through the course of the design, soil borings indicated that existing conditions were not conducive to pre-fabricated abutments and instead the abutments would have to be designed for site specific conditions. TKDA has the structural expertise to design the bridge abutments and provide construction oversight during the onsite fabrication to ensure the contractor performs this work in accordance with project plans, specifications, and as directed by the City.

Our proposed amendment includes additional work performed during the design phase for the bridge abutments as well as construction administration services related to the Fairmount Snowmobile Trail Project, summarized by task in the attached fee worksheet, and generally as follows:

1. Additional time over and above the original Project scope was spent in Phase C – Preliminary Design Phase – evaluating additional bridge structures and reviewing design alternatives. The final design of the bridges will include additional Work related to the cast in place abutment design to support pre-fabricated bridges given the shallow soil and proximity to bedrock.
2. We are proposing to add Work scope for the construction phase of the Project in Phase F – Construction Survey and Layout Phase – for layout of the Project Work at the site. We will also prepare permit applications for the stream crossings through the MnDNR MPARS system and submit plans to the City of Duluth for Grading, Fill, Erosion Control, and Shoreline impact permits. Construction staking and the Project permitting are beyond the original Project scope but are integral to the proposed construction schedule.

3. We are proposing to add Work scope in Phase G – Construction Administration and Inspection Phase—as the abutment construction will increase the amount of field time necessary for survey, construction observation and administration. We are estimating hours for the Work to review submittals, monitor the Contractor onsite, and to prepare pay applications and contractual changes.
4. Preparation of record drawings of the completed Work.

We propose to provide these services as described in the original Agreement L30159, amending to now include Phases F, G, H and as indicated herein. The hours will be utilized and billed only to the extent required to complete the design work and to assist the City during construction of the Project.

TKDA can begin work on the Project upon receipt of written approval of this request by the City, and are anticipated to be completed within eight (8) months thereafter. It is anticipated that trail construction work will be completed during the Summer of 2021.

We are requesting modification to our compensation as summarized below. Our Amendment 3 Fee Estimate is attached for your review.

Original Agreement Amount L30159	\$ 7,790
Amendment 1 Amount (Pre-fabricated bridge design)	\$ 10,900
Amendment 2 Amount for (Final Design – Construction Administration)	\$ 65,500
This Amendment 3 Amount for Additional Services by TKDA	\$ 45,800
Total Revised Agreement Amount	\$129,990

Compensation to TKDA for Additional Services as described herein shall be on an Hourly Time and Materials basis as summarized on the attached Fee Estimate in an amount not to exceed \$45,800 for an amended Project total of \$129,990.

We thank you for the opportunity to submit this request. If this is agreeable, please provide an Amendment for execution. If you have any questions or need clarification on our proposed contract amendment, please contact Will DeRocher at will.derocher@tkda.com or 218.391.3993.

Sincerely,



Will DeRocher, PE
Project Manager



Douglas W. Fischer, PE
Vice President – Municipal, Utility, and
Planning Division

WDD:DWF:slv:jks

ATTACHMENT: AMENDMENT 3 FEE ESTIMATE





Fairmount Snowmobile Trail Project Fee Estimate

Client:		City of Duluth					3/31/2021	
Project:		Fairmount Snowmobile Trail Project--Amendment 2					WDD	
City Phase	Task	Task Description	Est. Person Hours				Total Hours	Total Dollars
			Sr Reg Eng	Reg Eng	Reg Eng	Grad Eng		
H		Design of Bridge Abumtents - Additional services						
	1	Raleigh/ Kingsbury	1	20	80	68	169 \$ 17,651.00	
	2	Knowlton/ Keene	1	3	80	68	152 \$ 15,938.00	
		Subtotals:	2	23	160	136	321 \$ 33,590.00	
F		Construction Survey and Layout Phase						
	1	Construction Staking and Layout for Contractor		30			30 \$ 3,022.00	
		Subtotals:	-	30			30 \$ 3,022.00	
G		Construction Administration and Inspection Phase						
	1	Construction Administration and Inspection	4	48			52 \$ 5,570.00	
	2	Construction Permitting (MPARS, COD)	2	20				
	3	Record Drawings		8			8 \$ 806.00	
		Subtotals:	6	76	-	-	60 \$ 8,758.00	
Total Person Hours			8	129	160	136	411	
Billing Rate/Hr x Multiplier			\$184	\$101	\$117	\$90		
Total Billable for Charged Time			\$ 1,468	\$ 12,996	\$ 18,696	\$ 12,209	\$ 45,370.15	
Expenses:								
Travel & Subsistence (TS)							\$ 400.00	
Total Design Fee							\$ 45,800.00	