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May 16, 2018

Via Email: jshoberg@DuluthMN.gov

Mr. Jim Shoberg, PLA
Parks and Recreation Department – City of Duluth
411 West 1st Street
Duluth, Minnesota 55802

Re: Request for Amendment 1 to Agreement L30020
Additional Engineering Services-Design and Construction Phases
DWP Trail Infrastructure Rehabilitation - City Project 1528-03
TKDA Project No. 16584.000

Dear Mr. Shoberg:

Per our recent discussion, we propose to provide Additional Engineering Services for the DWP Trail Infrastructure Rehabilitation Project. Our Team has been involved with the initial phase of trail design and construction work and we are familiar with the Project requirements and the City's need for additional services. This includes the design of liners for two recently-discovered large concrete culverts in poor condition, additional construction observation services for the current phase, and construction observation for the additional improvements. Professionals in our Duluth office are available to perform additional design and construction observation work with regard to the grading and stormwater elements and to ensure that the contractor performs this work in accordance with project plans, specifications, and as directed by the City.

Our proposed amendment includes additional work scope for design as well as construction observation and administration services related to the DWP Trail Infrastructure Rehabilitation project as follows:

Culvert Liner (2) Design and Construction

1. Design of culvert liners to maintain stormwater flow and pipe integrity.
 - A) Two additional large concrete culverts in poor condition were identified during construction, which require liners to prevent further deterioration of existing culvert pipe.

We have included time for meeting with City staff, field survey and measurement, as well as developing construction documents for this work.

Phase 1 Construction Observation—Additional

1. Additional work has been identified for completion by the contractor working onsite for the Phase 1 improvements including repairs to several additional culverts, rock rip rap, and additional grading along the DWP Trail.

The hours we have included are for providing the construction observation and administration to complete the additional work on the first phase of the project to ensure the work meets specifications.

Phase 2 Construction Observation (Additional work on DWP Trail and two culverts)

1. We have included time for staking and providing the construction observation and administration to complete the construction of improvements under Phase 2 of the project to ensure the work meets specifications. This includes liners at the two concrete culverts, installation of several smaller culverts, and rock rip rap armoring.

We propose to provide these services as described in the original Agreement L30020, amending Phases B, D, F and G as indicated herein. The additional services under Phases B and D are related to the field survey and design of liner type repairs to two additional culverts which are in poor condition and were discovered during construction in April. Phase F work includes field survey and measurement for culvert and footing construction to provide a working guide for the selected Contractor. Phase G services include construction observation of the work and contract administration - these hours are included to be used as needed on an hourly basis to supplement City staff time in managing and observing the construction of the project to ensure the work meets City specifications. 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 six (6) months thereafter. It is anticipated that trail construction work will be completed during the summer and fall of 2018.

We are requesting modification to our compensation as summarized below. Our Amendment 1 Fee Estimate is attached.

Original Agreement Amount L30020	\$27,800
Amendment 1 Amount for Additional Services by TKDA	\$15,407
Total Revised Agreement Amount	\$43,207

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 \$15,407 for an amended Project total of \$43,207.

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 Jeff Goetzman at jeff.goetzman@tkda.com or (218) 491-7385.

Sincerely,



Jeffrey S. Goetzman, PE
Project Manager



Dennis M. Postler, PE
Vice President, Municipal Services

JSG:DMP:th
ATTACHMENT: AMENDMENT 1 FEE ESTIMATE





Project Fee Estimate

Client:		City of Duluth Parks and Recreation Department			Date:	5/16/2018
Project:		DWP Trail Rehabilitation Amendment No. 1 (16584.000)			By:	JSG
Contract Phase	Task		Estimated Person Hours Required		Total Hours	Total Dollars
			Sr Reg Eng	Reg Eng		
B		Preliminary Survey Phase				
	1	Site Observations and Topo Survey at Culverts, Beck's Rd	2	8	10	\$ 1,002
		Subtotals:	2	8	10	\$ 1,002
D		Final Design Phase				
	1	Hydraulics/drainage design/DNR Coord. for Culverts	2	16	18	\$ 1,682
	2	Sargent Creek Culvert Lining (near Skyline Pkwy)	1	16	17	\$ 1,521
	3	Culvert Lining (near Ulland Pit access road)	1	16	17	\$ 1,521
	4	Erosion Control Plan/Permitting (DNR, MPCA, City)	1	4	5	\$ 501
	5	Specifications	1	2	3	\$ 331
	6	Construction Cost Estimate	1	2	3	\$ 331
		Subtotals:	7	56	63	5,887
F		Construction Survey and Layout Phase				
	1	Construction Staking-Culverts and Grading		8	8	\$ 680
		Subtotals:		8	8	680
G		Construction Administration & Inspection Phase				
	1	Added Construction Obs.(hourly as needed) for Phase 1	4	40	44	\$ 4,044
	2	Construction Observation for Grading and Culverts (2)	4	30	34	\$ 3,194
		Subtotals:	8	70	78	7,238
Total Person Hours			17	142	159	
Billing Rate/Hr x Multiplier			\$ 161	\$ 85		
Total Billable for Charged Time			\$ 2,737	\$ 12,070		\$ 14,807
Expenses:						\$ 600
Amendment No. 1 Total Fees						\$ 15,407
ORIGINAL FEE						\$ 27,800
NEW TOTAL FEE						\$ 43,207