TKDA

Project Fee Estimate

Client:	City of Blaine	**Date:**	12/29/2021
Project:	TH 65 Access Improvements - Phase 1A Tasks AMENDMENT NO. 1	**By:**	JMW

Task	Task Description	Estimated Person Hours Required													Total Hours TKDA	Total Dollars TKDA	Total Hours HDR*	Total Dollars HDR*	Total TEAM Hours	Total TEAM Dollars
		PM	Roadway			Permitting / Drainage			Traffic	Bridge	Utilities		QA	Admin.						
		Sr Reg Eng	ES I	Reg Eng	Tech	Sr Reg Eng	Reg Eng	Grad Eng	Sr Reg Eng	Sr Reg Eng	Sr Reg Eng	Grad Eng	Sr Reg Eng	Tech II						
		$ 224	$ 166	$ 158	$ 72	$ 183	$ 126	$ 108	$ 190	$ 157	$ 192	$ 93	$ 194	$ 91						
1	**Project Management**																			
1.1	Overall Project Management																			
	Day-to-day Project Management	24													24	$ 5,376				
	Invoices and Progress Reports	3													3	$ 672				
	Internal Staff Meetings	3	3	3		3			3	3					18	$ 3,234				
1.2	Preliminary Layout QA/QC	1	4	6		4			2		2		2		21	$ 3,720				
	SUBTOTAL HOURS	31	7	9	-	7	-	-	5	3	2	-	2	-	66		160		226	
	SUBTOTAL COST	$ 6,944	$ 1,162	$ 1,422	$ -	$ 1,281	$ -	$ -	$ 950	$ 471	$ 384	$ -	$ 388	$ -		$ 13,002		$ 36,561		$ 49,563
2	**Public and Agency Involvement**																			
2.1	PMT Meetings (3 additional)	9	2			3					3			3	20	$ 3,746				
2.5	Utility Coordination/Mtgs										3				3	$ 576				
	SUBTOTAL HOURS	9	2	-	-	3	-	-	-	-	6	-	-	3	23		160		183	
	SUBTOTAL COST	$ 2,016	$ 332	$ -	$ -	$ 549	$ -	$ -	$ -	$ -	$ 1,152	$ -	$ -	$ 273		$ 4,322		$ 23,022		$ 27,344
3	**Environmental Documentation**																			
	HDR														-	$ -	-	$ -		
	SUBTOTAL HOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-		670		670	
	SUBTOTAL COST	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -		$ 92,989		$ 92,989
11	**Identify R/W Needs**																			
11.1	Identify R/W Needs (Additional Alternative)		2	4											6	$ 964	-	$ -		
	SUBTOTAL HOURS	-	2	4	-	-	-	-	-	-	-	-	-	-	6		-		6	
	SUBTOTAL COST	$ -	$ 332	$ 632	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ 964		$ -		$ 964
12	**Utility Identification and Reloaction**																			
12.1	Coordination with Utility Owners										10	20			30	$ 3,780	-	$ -		
	Gopher State One Call											2			2	$ 186	-	$ -		
12.2	Public Utiltiy Coordination										6	-			6	$ 1,152	-	$ -		
	SUBTOTAL HOURS	-	-	-	-	-	-	-	-	-	16	22	-	-	38		-		38	
	SUBTOTAL COST	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,072	$ 2,046	$ -	$ -		$ 5,118		$ -		$ 5,118
13	**Final Project Design**																			
13.1	Layout Alternatives (one additional)	12	30	30	40										112	$ 15,288	-	$ -		
	SUBTOTAL HOURS	12	30	30	40	-	-	-	-	-	-	-	-	-	112		-		112	
	SUBTOTAL COST	$ 2,688	$ 4,980	$ 4,740	$ 2,880	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ 15,288		$ -		$ 15,288
16	**Traffic Studies**																			
16.2	*HDR*														-	$ -	-	$ -		
	SUBTOTAL HOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-		158		158	
	SUBTOTAL COST	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -		$ 24,198		$ 24,198
17	**Traffic Management Plan**																			
17.1.	Layout Alternatives TMP																			
	Prepare/Update Layout Alternatives TMP Report (w/ added alternative)							20	10						30	$ 4,060	-	$ -		
	SUBTOTAL HOURS	-	-	-	-	-	-	20	10	-	-	-	-	-	30		-		30	
	SUBTOTAL COST	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,160	$ 1,900	$ -	$ -	$ -	$ -	$ -		$ 4,060		$ -		$ 4,060
18	**Hydraulic Design**																			
18.1	Prelim. Hydrologic and Hydraulic Design and Modeling of Alternatives																			
	Preliminary Storm Sewer, Culvert, Ditch, Pond Design and Modeling					40	80	80						8	208	$ 26,768	-	$ -		

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		$ 224	$ 166	$ 158	$ 72	$ 183	$ 126	$ 108	$ 190	$ 157	$ 192	$ 93	$ 194	$ 91						
	SUBTOTAL HOURS	-	-	-	-	40	80	80	-	-	-	-	-	8	208		-		208	
	SUBTOTAL COST	$ -	$ -	$ -	$ -	$ 7,320	$ 10,080	$ 8,640	$ -	$ -	$ -	$ -	$ -	$ 728		$ 26,768		$ -		$ 26,768
	TOTAL LABOR HOURS - PHASE 1A AMENDMENT														**483**		**1,148**		**1,631**	
	TOTAL LABOR COSTS - PHASE 1A AMENDMENT															**$ 69,522**		**$ 176,769**		**$ 246,292**
Expenses:																				
	Travel / Misc.															$ -		$ 500		**$ 500**
	TOTAL TKDA TEAM PROJECT COST - PHASE 1A															$ 69,522		$ 177,269		**$ 246,792**

<u>ASSUMPTIONS:</u>

1. Additional PMT Meetings (3).
2. Additional Coordination Meetings: Agency and Property Owner (2), Neighborhood (1)
3. Concept Development, Design Refinement, Constructability, and Cost Estimates for PEL Section 2 Alternatives included 1 additional alternative.
4. Refine Alternative 1A lane/intersection geometry based on additional Traffic Analysis.