



Project Fee Estimate

Client:		City of Blaine													Date:	4/7/2021					
Project:		TH 65 Access Improvements at 99th Ave NE and 109th Ave NE - Phase 1A Tasks (Alternatives Analysis and Environmental/NEPA)													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		Funding Advisor*	QA							Admin.
		Sr Reg Eng	Reg Eng	ES I	Tech	Sr Reg Eng	Reg Eng	Grad Eng	Sr Reg Eng	Sr Reg Eng	Sr Reg Eng	Grad Eng	Sr Reg Eng	Sr Reg Eng							Tech II
		\$ 222	\$ 146	\$ 157	\$ 71	\$ 181	\$ 124	\$ 102	\$ 188	\$ 146	\$ 192	\$ 89	\$ 221	\$ 201							\$ 88
1 Project Management																					
1.1	Overall Project Management																				
	Day-to-day project management	20														20	\$ 4,440				
	Invoices and progress reports	12														12	\$ 2,664				
	Generate/Update Project Schedule	20														20	\$ 4,440				
	Internal Staff Meetings	4	4			4			4	4						20	\$ 3,532				
1.2	QA / QC																				
	Preliminary Layout	2	20		20	4	4		4		2			6		62	\$ 8,346				
1.3	Grant/Funding Management												200			200	\$ 44,200				
	SUBTOTAL HOURS	58	24	-	20	8	4	-	8	4	2	-	200	6	-	334		193		527	
	SUBTOTAL COST	\$ 12,876	\$ 3,504	\$ -	\$ 1,420	\$ 1,448	\$ 496	\$ -	\$ 1,504	\$ 584	\$ 384	\$ -	\$ 44,200	\$ 1,206	\$ -	\$ 67,622		\$ 42,227		\$ 109,849	
2 Public and Agency Involvement																					
2.1	Kick-off and Monthly PMT Meetings (6 meetings)	21	8			4			12	8	4			4	12	73	\$ 12,606				
2.2	Public Open House Meeting (1)	4			4				2							10	\$ 1,548				
2.3	City Council Meetings (2)	6			4				2							12	\$ 1,992				
2.4	Agency Coordination Meeting (1)					2										2	\$ 362				
2.5	Utility Coordination Mtgs		4								18	6				28	\$ 4,574				
2.6	Project Web Site (Initial plus updates) [HDR]															-	\$ -				
	SUBTOTAL HOURS	31	12	-	8	6	-	-	16	8	22	6	-	4	12	125		545		670	
	SUBTOTAL COST	\$ 6,882	\$ 1,752	\$ -	\$ 568	\$ 1,086	\$ -	\$ -	\$ 3,008	\$ 1,168	\$ 4,224	\$ 534	\$ -	\$ 804	\$ 1,056	\$ 21,082		\$ 80,281		\$ 101,363	
3 Environmental Documentation																					
	HDR																				
	SUBTOTAL HOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		790		790	
	SUBTOTAL COST	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 110,027		\$ 110,027	
4 Noise Analysis																					
	HDR																				
	SUBTOTAL HOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		252		252	
	SUBTOTAL COST	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 36,799		\$ 36,799	
5 Surveying and Mapping																					
5.1	Surveying/Mapping/Basemap Creation																				
	SUBTOTAL HOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 62,655				
	SUBTOTAL COST	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,655		\$ -		\$ 62,655	
6 Geotechnical Information																					
6.1	Geotechnical Analysis (Braun Intertec - see Subconsultant section below)																				
	SUBTOTAL HOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	SUBTOTAL COST	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -		\$ -	



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		PM	Roadway			Permitting / Drainage			Traffic	Bridge	Utilities		Funding Advisor*	QA	Admin.						
		Sr Reg Eng	Reg Eng	ES I	Tech	Sr Reg Eng	Reg Eng	Grad Eng	Sr Reg Eng	Sr Reg Eng	Sr Reg Eng	Grad Eng	Sr Reg Eng	Sr Reg Eng	Tech II						
		\$ 222	\$ 146	\$ 157	\$ 71	\$ 181	\$ 124	\$ 102	\$ 188	\$ 146	\$ 192	\$ 89	\$ 221	\$ 201	\$ 88						
7 Coordinate with VE Study Team																					
	SUBTOTAL HOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	SUBTOTAL COST	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
8 Identify/Obtain Agency Approvals/Permits																					
8.1.	Wetland Delineation					4											4	\$ 724			
	SUBTOTAL HOURS	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	4	114			
	SUBTOTAL COST	\$ -	\$ -	\$ -	\$ -	\$ 724	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 724	\$ 12,119			
9 Staging and Timing Review																					
	SUBTOTAL HOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	SUBTOTAL COST	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
10 Design Study Report																					
	SUBTOTAL HOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	SUBTOTAL COST	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
11 Identify R/W Needs																					
11.1	Identify R/W Needs			4	8												12	\$ 1,196			
	SUBTOTAL HOURS	-	-	4	8	-	-	-	-	-	-	-	-	-	-	-	12	-			
	SUBTOTAL COST	\$ -	\$ -	\$ 628	\$ 568	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,196	\$ 1,196			
12 Utility Identification and Relocation																					
12.1	Utility Identification																				
	Gopher State One Call											2					2	\$ 178			
	Identify Utility Representatives										4	8					12	\$ 1,480			
	Site Visit to Check Information										6	-					6	\$ 1,152			
	Coordinate with SUE Subcontractor										6	-					6	\$ 1,152			
	Coordinate Base Map with Utility Owners										10	20					30	\$ 3,700			
	<i>SUE (T2 - see Subconsultant section below)</i>																				
12.2	Utility Relocation																				
	Coordinate Public Utility Design										6	-					6	\$ 1,152			
	SUBTOTAL HOURS	-	-	-	-	-	-	-	-	-	32	30	-	-	-	-	62	-			
	SUBTOTAL COST	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,144	\$ 2,670	\$ -	\$ -	\$ -	\$ -	\$ 8,814	\$ 8,814			
13 Final Project Design																					
13.1	Layout Alternatives (3)	36	90	90	120												336	\$ 43,782			
	SUBTOTAL HOURS	36	90	90	120	-	-	-	-	-	-	-	-	-	-	-	336	-			
	SUBTOTAL COST	\$ 7,992	\$ 13,140	\$ 14,130	\$ 8,520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 43,782	\$ 43,782			



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		\$ 222	\$ 146	\$ 157	\$ 71	\$ 181	\$ 124	\$ 102	\$ 188	\$ 146	\$ 192	\$ 89	\$ 221	\$ 201	\$ 88						
14. Bridge Plans																					
	SUBTOTAL HOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	SUBTOTAL COST	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
15 Traffic Forecasting																					
	HDR																				
	SUBTOTAL HOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	237	237			
	SUBTOTAL COST	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,432	\$ 41,432			
16 Traffic Studies																					
16.2	HDR																				
	SUBTOTAL HOURS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	472	472			
	SUBTOTAL COST	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 72,469	\$ 72,469			
17 Traffic Management Plan																					
17.1	Layout Alternatives TMP																				
	Prepare Layout Alternatives TMP Report (incl. Worksheet and Red Flag Checklist)							120	60							8	188	\$ 24,224			
	Update Layout Alternatives TMP Report							24	16							4	44	\$ 5,808			
	SUBTOTAL HOURS	-	-	-	-	-	-	144	76	-	-	-	-	-	-	12	232	-			
	SUBTOTAL COST	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,688	\$ 14,288	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,056	\$ 30,032	\$ 30,032			
18 Hydraulic Design																					
18.1	Prelim. Hydrologic and Hydraulic Design and Modeling of Alternatives																				
	Preliminary Storm Sewer, Culvert, and Ditch Design and Modeling						80	210	210								500	\$ 61,940			
	Preliminary Pond Design and Modeling						40	64	64								168	\$ 21,704			
18.2	Prepare Preliminary Hydraulic Design Report						32	8	8							8	56	\$ 8,304			
	SUBTOTAL HOURS	-	-	-	-	-	152	282	282	-	-	-	-	-	-	8	724	-			
	SUBTOTAL COST	\$ -	\$ -	\$ -	\$ -	\$ 27,512	\$ 34,968	\$ 28,764	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 704	\$ 91,948	\$ 91,948	\$ 91,948			
TOTAL LABOR HOURS - PHASE 1A																1,829	2,603	4,432			
TOTAL LABOR COSTS - PHASE 1A																\$ 327,855	\$ 395,354	\$ 723,209			
Expenses:																					
Travel / Misc.																\$ 8,500	\$ 5,981	\$ 14,481			
Subconsultant - Braun Intertec: Geotechnical Task 6																		\$ 3,185			
Subconsultant - T2: SUE Task 12.1																		\$ 235,950			
TOTAL TKDA TEAM PROJECT COST - PHASE 1A																\$ 336,355	\$ 401,335	\$ 976,825			

ASSUMPTIONS:

1. Geotechnical Investigation within Phase 1A includes a desktop review of Existing Soil Borings/Maps for high-level geotechnical assessment (hours from Activity 1.4).
2. This Phase 1A Fee Estimate incorporates the Drone Survey included in our proposal's Additional Services which provides a cost savings over the Conventional Survey included in our base bid (as was required by the RFP).
3. This Phase 1A Fee Estimate incorporates QL B Subsurface Utility Exploration. QL A test holes will be included in a subsequent Phase of the project/contract.