



WORK PLAN & COST PROPOSAL

Project Name **East 9th / East 8th Recond.**
Client **City of Duluth**
Preparer **LHB**

Project Number **170650**
Date **9/29/17**

Work Task	Description	LHB						TOTAL HOURS	TOTAL EXPENSES	TOTAL COST PER TASK	TOTAL COST PER DELIVERABLE
		Brad Scott	Adam Beissel	Megan Goplin	Paul Vogel	Mike Zabukover	Linda Nelson				
		Project Manager	Roadway Designer	ADA Specialist	Land Surveyor	Survey Tech	Admin				
1.00	Initial Site Visits & Consultations	6	6	10	0	0	0	22	\$ -	\$ 2,542.00	\$ 2,542.00
1.01	Project Kickoff / Coordination Meeting & Establish Design Criteria	2	2							\$ 464.00	\$ 464.00
1.02	Site Visits (1)	4	4	10						\$ 2,078.00	\$ 2,078.00
2.00	Public Participation	12	14	0	0	0	0	26	\$ -	\$ 2,948.00	\$ 2,948.00
2.01	(2) Public Meetings	4	8							\$ 1,256.00	\$ 1,256.00
2.02	(2) Meetings w/City regarding street configuration and layout	6	6							\$ 1,392.00	\$ 1,392.00
2.03	(1) Attend SAB Meeting	2								\$ 300.00	\$ 300.00
3.00	Reconnaissance, Field Surveys & Geotechnical Exploration	3	46	0	8	64	0	121	\$ 1,200.00	\$ 11,134.00	\$ 12,334.00
3.01	Field Survey & Mapping		32		8	64			1200	\$ 9,536.00	\$ 10,736.00
3.02	Gopher State One Call & Utility Coordination	2	12							\$ 1,284.00	\$ 1,284.00
3.03	Geotechnical Coordination	1	2							\$ 314.00	\$ 314.00
4.00	Preliminary Recommendations and Costs	8	16	0	0	0	0	24	\$ -	\$ 2,512.00	\$ 2,512.00
4.01	Preliminary Cost Estimating and Recommendations	4	12							\$ 1,584.00	\$ 1,584.00
4.02	Final Recommendations Memo and Cost Estimate	4	4							\$ 928.00	\$ 928.00
5.00	Preliminary Design	18	56	36	0	0	0	110	\$ -	\$ 11,432.00	\$ 11,432.00
5.01	30% Project Plan	12	40	36						\$ 9,220.00	\$ 9,220.00
5.02	Draft Project Memorandum	4	12							\$ 1,584.00	\$ 1,584.00
5.03	Final Project Memorandum	2	4							\$ 628.00	\$ 628.00
6.00	Plans & Specifications	53	237	62	0	0	2	354	\$ -	\$ 34,644.00	\$ 34,644.00
6.01	Title Sheet (1 Sheet)	1	2							\$ 314.00	\$ 314.00
6.02	Statement of Estimated Quantities (2 Sheets)	2	8							\$ 956.00	\$ 956.00
6.03	Construction Notes & Standard Plates (1 Sheet)	1	2							\$ 314.00	\$ 314.00
6.04	Tabulations (3 Sheets)	4								\$ 600.00	\$ 600.00
	Removals, Pavement, Driveways, Striping, Erosion Control & Turf	2	24	8						\$ 3,188.00	\$ 3,188.00
	ADA	4		36						\$ 4,740.00	\$ 4,740.00
6.05	Typical Sections (2 Sheets)	8	12							\$ 2,184.00	\$ 2,184.00
6.06	Construction Details (10 Sheets - Details / ADA Standard Plan Sheets)									\$ -	\$ -
	ADA & ADA Design Documentation	2		18						\$ 2,370.00	\$ 2,370.00
	Driveways - (Approx. 45 Driveways)	8	45							\$ 4,890.00	\$ 4,890.00
6.07	Erosion and Sediment Control Plan (3 Sheets)									\$ -	\$ -
	City standard SWPPP and EC Details	4	10							\$ 1,420.00	\$ 1,420.00
6.08	Traffic Control (4 Sheets)	4	16							\$ 1,912.00	\$ 1,912.00
6.09	Plan Sheets (15 Sheets - 1" = 40)	8	120							\$ 11,040.00	\$ 11,040.00
6.10	Special Provisions (90% Complete)	6					2			\$ 1,030.00	\$ 1,030.00
	Total Sheets:										
7.00	Cost Estimates	6	16	0	0	0	0	22	\$ -	\$ 2,212.00	\$ 2,212.00
7.01	30%, 60%, 90% and 100% Engineer's Estimates	6	16							\$ 2,212.00	\$ 2,212.00
8.00	Bidding and Construction Assistance	8	32	0	0	0	0	40	\$ -	\$ 3,824.00	\$ 3,824.00
8.01	Bidding and Construction Assistance	8	32							\$ 3,824.00	\$ 3,824.00
Total Hours		114	423	108	8	64	2		SUMMARY		
Cost per Hour		\$ 150	\$ 82	\$ 115	\$ 160	\$ 88	\$ 65		TOTAL LABOR \$ 71,248.00		
Total Cost		\$ 17,100	\$ 34,686	\$ 12,420	\$ 1,280	\$ 5,632	\$ 130		TOTAL EXPENSES \$ 1,200.00		
									SUBCONSULTANT (GEOTECH) \$ 2,964		
									TOTAL FEE \$ 72,448		