

September 2, 2022

Patrick F. Loomis, PE Project Engineer City of Duluth 411 West First Street, Room 240 Duluth, MN 55802

# PROPOSAL FOR PROFESSIONAL SERVICES BRIGHTON BEACH ROADWAY

The City of Duluth is requesting engineering design services for the construction of a new roadway through Brighton Beach Park. The new roadway will connect to Trunk Highway 61 at a new entrance location that will require the addition of new turn lanes and bypass lane on TH 61. The Brighton Beach roadway is approximately 0.60-miles long and will terminate at a new entrance location located on Scenic Highway 61. The project will consist of full-depth bituminous pavement construction; selective placement of curb and gutter; fence; walk and trail connections and stormwater design. The roadway design will be integrated with and bid as a common plan with the City's Brighton Beach Park Improvements project. The project will be designed and administered in accordance with City and State Aid requirements.

### **Scope of Services**

LHB's detailed work plan and project costs are attached.

### **Proposed Fee**

LHB proposes a hourly not to exceed fee of Seventy-Five Thousand Six Hundred Dollars (\$75,600) including reimbursable expenses.

We appreciate the opportunity to provide you with our services. We look forward to working with you. Please contact me at 218-213-2604 if you have any questions.

LHB, INC.

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### **BRAD SCOTT, PRINCIPAL**

c: Cari Pederson, City of Duluth Patrice Stalvig, City of Duluth LHB Project No. 220990

### Attachment: LHB Work Plan and Cost Summary

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# LHB WORK PLAN AND COST SUMMARY

Labor Summary

Brighton Beach Roadway City of Duluth LHB

LHB #220990 **September 2, 2022** 

Project Breakdown Task Description	P3	P7	P7	T1	Total Labor Costs (\$)
	Project	Drainage	Roadway	Senior	
	Manager	Engineer	Engineer	Technician	
	\$ 180	\$ 145	\$ 145	\$ 115	
					\$
Task 1 - Project Management					\$
Project Communication, Coordination,	2		2		\$ 65
Prepare and Update/Maintain Project Progress			2		\$ 29
Project Team Meetings (Assume 3 Meetings)	6	2	6	1	\$ 2,35
					\$
Task 2 - Project Development					\$
Gather Information Compile Design Files			8	50	\$ 6,910
Topographic Survey (Assumed not Req'd)					\$
Mapping (Assumed not Req'd)					\$
Hydraulic Analysis		32			\$ 4,64
					\$
Task 3 - Final Design - MnDOT Intersection Design					\$
MnDOT Meetings & Coordination	4	2	4		\$ 1,59
Plan and Profile - 2 Sheets		8	16	20	\$ 5,78
Traffic Control - 6 Sheets			8	16	\$ 3,00
Cross Sections - 10 Sheets			8	20	\$ 3,46
					\$
Гаsk 4 - Final Design - Brighton Roadway					\$
Title Sheet & Index Map - 1 Sheet			1	2	\$ 37
Statement of Estimated Quantities - 2 Sheets			8	8	\$ 2,08
Construction Notes, Standard Plates		1	2	2	\$ 66
Earthwork Quantities - 1 Sheet			4	20	\$ 2,88
Typical Sections - 6 Sheets			6	18	\$ 2,94
Tabulation Sheets - 4 Sheets		20	8	16	\$ 5,90
Construction Details		6	2	6	\$ 1,85
Standard Plans			2	2	\$ 52
Drainage Design, Culvert Profiles		12		4	\$ 2,20
Traffic Control (2 Sheets)			6	8	\$ 1,79
Erosion Control (2 Sheets)			8	16	\$ 3,000

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LHB #220990 September 2, 2022

Project Breakdown Task Description	P3 Project Manager	<b>P7</b> Drainage Engineer	P7 Roadway Engineer	T1 Senior Technician	Total Labor Costs
	\$ 180		\$ 145		(\$)
Striping & Signing Plan - 6 Sheets			6	12	\$ 2,250
Plan & Profile - 6 Sheets			24	32	\$ 7,160
Cross Sections - 40 Sheets			20	60	\$ 9,800
QA / QC Plan Review	6				\$ 1,080
					\$ -
Task 5 - Final Design - Project Coordination	1		2	4	\$ 930
Special Provisions	4				\$ 720
Engineers Estimate					\$ -
Pre-Bid Support	1		1		\$ 325
Staking Files, Etc.				4	\$ 460
					\$-
Total Hours	24	83	154	321	
Travel Expenses	Rate		Other Direct Expenses	Cost	\$ 75,600
Travel (Airfare, Meals, Hotel, Rental Car, Gas, etc.)			Mail / Delivery	\$-	\$-
	\$ -		Printing	\$-	\$-
	\$-		Other	\$-	
	\$-			\$-	\$ -
			Total Direct		
Tot	al Travel Expenses		Expenses	\$ -	\$ 75,600.00