



**PERFORMANCE
DRIVEN DESIGN.**
LHBcorp.com

November 18, 2021

Tom Pfeffer
Senior Engineer
City of Duluth – Public Works & Utilities
411 West First Street, Room 240
Duluth, MN 55802

PROPOSAL FOR PROFESSIONAL SERVICES MNDOT TWIN PORTS INTERCHANGE PROJECT – WP-3 & WP-4 UTILITY DESIGN

The City of Duluth is requesting engineering services for the design of City utilities related to MnDOT's Twin Ports Interchange (TPI) project Work Packages 3 and 4 (WP-3 & WP-4). All design work is to be designed in accordance with the current City of Duluth Construction Standards for utility work. It is anticipated that the utility relocation plans will be bid as part of the overall MnDOT TPI construction documents being prepared by MnDOT's design team. Therefore, it will also be necessary to deliver the Plans in accordance with MnDOT's Standard Specification for Construction and plan processes including plan format, pay items, and working with MnDOT's design team to ensure all aspects of the Plan are coordinated and shared throughout the design phase.

For WP-3, LHB completed 90% design plans and the overall project plans were shelved pending funding availability. The anticipated work scope related to WP-3 is re-engaging with the project design, verifying and updating the plans based on revisions across the MnDOT design team, preparation of final plans and special provisions, and coordination with the MnDOT project team including participation in project meetings and MnDOT Quality Management Process.

For WP-4 located near the intersection of Highway 535 and Garfield Avenue, the preliminary design will include establishing a utility base map that includes MnDOT provided topographic survey and design files. LHB will participate in up to (3) meetings with the City of Duluth and MnDOT to review the project scope and complexity and establish design criteria. Preliminary design will require utility record research to confirm and establish ownership and other relevant data to the design. A project design review and conflict analysis versus the proposed MnDOT design will be provided. A preliminary water main layout will be prepared. Final design included plans and specs for the watermain are included as a separate task.

SCHEDULE

LHB is available to begin this work upon approval and execution of an Agreement.

PROPOSED FEE

LHB proposes a hourly not to exceed fee of Seventy-Three Thousand Five Hundred Thirty-Two Dollars (\$73,532) including reimbursable expenses. A detailed budget is enclosed.

TERMS AND CONDITIONS

Upon your approval of this proposal, we will prepare an agreement consistent with the terms and conditions of our standard LHB agreement form.

We appreciate the opportunity to provide you with our services. We look forward to working with you. Please contact me at 218.279.2474 if you have any questions.

LHB, INC.

A handwritten signature in blue ink, appearing to read "BRAD SCOTT", with a stylized flourish at the end.

Brad Scott, Principal

c: File
LHB Project No. 210547

FEE ESTIMATE WORKSHEET
LHB Labor Summary

Project Name **WP-3 & WP-4 UTILITY DESIGNS**
Client **CITY OF DULUTH**
Preparer **LHB**

Project Number **210757**
Date **11/18/21**



Project Breakdown Summary Description	P1	P2	P5	P4	P3	T1	P2	T3	T5	T7	T7		A1	Total Labor Costs (\$)
		PM		CE		TECH	RLS		CREW CHIEF				Admin. Assist.	
		\$165		\$135		\$106	\$165		\$84				\$59	
WP-3 UTILITY DESIGN														\$0
Design Meetings & Coordination (Assumes 3 Meetings)		6		6										\$1,800
Update Existing Design with Current Project Base Files		4		12		40								\$6,520
Review Design Changes and Conflict Analysis		4		16		20								\$4,940
Prepare Final Plans & Provisions		4		30		40								\$8,950
MnDOT FGR and QA Review Process		8		8										\$2,400
														\$0
WP-4 UTILITY DESIGN														\$0
Design Meetings & Coordination (Assumes 3 Meetings)		6		6										\$1,800
Prepare and Compile Utility Base Mapping		8		20		40								\$8,260
Preliminary Project Utility Scope and Evaluation		8		4										\$1,860
Utility Record Research / Establish Onwership		6		8		4	10							\$4,144
Review Design and Conflict Analysis		4		8		20								\$3,860
Water Main Layout		4		12		24								\$4,824
Final Design		24		48		120	4						6	\$24,174
														\$0
Total Hours	0	86	0	178	0	308	14	0	0	0	0	0	6	
Travel			Cost	Direct Costs						Cost	Labor Cost			\$73,532
			\$0							\$0	Travel Costs			\$0
			\$0							\$0	Direct Costs			\$0
			\$0							\$0				
Total Travel Costs			\$0	Total Direct Costs						\$0	Total LHB Est. Cost			\$73,532