March 6, 2024

Alex Popp, PE
Project Engineer
City of Duluth Public Works
411 West First Street, Room 240
Duluth, MN 55802

PROPOSAL FOR PROFESSIONAL SERVICES – AMENDMENT 01
1ST AVENUE EAST (SUPERIOR ST TO 3RD ST) RECONSTRUCTION PROJECT

In accordance with our ongoing discussions and final design work on the project we have prepared the following summary of additional services and costs related to the contract. This amendment would cover additional costs incurred during design and construction as well as provide a working budget to complete construction in the spring/summer of 2024. Work is summarized as follows:

Scope of Additional Services

Geotechnical Investigation

Additional geotechnical investigation, performed by AET, was required to provide rock probe borings for the hot water and steam line services. This analysis will be summarized in the geotechnical report.

Additional geotechnical investigation, performed by Braun Intertec, was required to inform the additional structural engineering work needed to complete the project. The findings and recommendations will be summarized in a geotechnical evaluation report.

Structural Engineering Design Services

Additional structural engineering services needed to complete the project. The original structural scope included evaluation of existing vaults only. During design and following structural evaluation, it was determined that the retaining wall just south of 2nd Street would need to be replaced with the project as well as several vault lids. The additional structural scope includes design of the retaining wall and vault lids that needed to be replaced within the road corridor.

Street Lighting and Electrical Construction Services

Additional electrical construction support services for the lighting, traffic signal and electrical work. This includes review of shop drawings related to electrical work and commissioning of the signal and lighting systems. This work is performed by SRF. SRF assumed the Street Lighting design task in full, as stated in the Prime Agreement, therefore the fees associated with the street lighting design task will be transferred to SRF.

Construction Material Testing

Material testing services during construction, performed by Braun Intertec. This includes a working budget to complete construction in the spring/summer of 2024.

Reduction in Fee for Evergreen Energy

Following conversations with Evergreen Energy it was determined the budget originally scoped was more than necessary to complete the work. This amendment includes reducing the Evergreen budget and reallocating to help cover other additional services.

Expenses

Due to the increased duration of construction, additional expenses were incurred. These expenses included survey equipment and construction inspector vehicle.

Fees

The total amount of the additional services included in Amendment 01 is **$67,310**, divided as follows:

- Geotechnical Investigation (AET).....$1,220
- Geotechnical Investigation (Braun Intertec).....$7,380
- Structural Engineering Design Services (LHB).....$21,490
- Street Lighting and Electrical Construction Service (SRF).....$4,800
- Construction Material Testing (Braun Intertec).....$51,220
- Reduction in Fee for Evergreen Energy.....($26,000)
- Expenses.....$7,200

We appreciate the opportunity to continue providing services for this project. Upon review, if you have any questions concerning our proposal or would like to meet to discuss, please do not hesitate to call.

LHB, INC.

Megan Goplin, Project Manager

Matt Settergren, Vice President

Attachments:

c: LHB Project No. 220974

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