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February 26, 2025

RE: W. Superior Street
Design Amendment
SEH No. DULUT 171078

Mr. Alex Popp, PE
Project Engineer
City of Duluth – Public Works and Utilities
411 W. 1st Street
Duluth, MN 55802

Dear Alex:

We are pleased to present this proposal to continue our work on the West Superior Street reconstruction project. This letter outlines the additional services provided during the design phase.

Design Amendments

Since the kickoff of this project in January 2023, SEH held update meetings every two weeks with you to discuss project status. During those meetings, any work SEH was performing that was outside the scope of our original contract was documented and discussed. To date, there has been **\$132,457** in additional work that was previously identified and approved by the City. A description of that work is as follows:

- **Phase 2 Environmental Work** – After the Phase 1 work was completed under our original contract, it was determined that Phase 2 work would have to also be completed. SEH provided an estimate to complete this work for \$103,255.
- **Duluth Pack Retaining Wall** – During preliminary design, the City determined that the retaining wall near Duluth Pack was failing and holding up the sidewalk of Superior Street and should be replaced. SEH provided an estimate to complete this work for \$26,902.
- **Concrete and Bituminous Life Cycle Analysis** – After the Geotechnical Report and Recommendations were completed by Braun, the City asked for a life cycle analysis to be completed. Braun completed the additional work for \$2,300.

In addition to the tasks above, there has been an additional **\$366,094**

spent on other additional or unidentified work since the original scoping of the project. A description of the major work completed includes:

- **Layout Changes at 60%** – In January 2024, coinciding with new leadership at the City, it was decided to change the previously approved geometric layout and add more parking in most blocks of the project and the avenues where feasible. At that time, final design was already proceeding. Alliant, SEH, and Damon Farber all provide updates to the layout and conceptual exhibits in time for public meeting number 4. After that meeting, we were directed to update our design with the geometric changes presented at the public meeting. The primary final design items that required re-work included:
 - Project geometrics (W. Superior St. and Avenues)
 - Curb profiles
 - Catch basin placement and storm sewer alignment
 - Stormwater treatment areas
 - Lighting and tree placements
 - Streetscape placement areas
 - ADA ramp design

- **Casing Pipe through Arch Tunnel** – Between 60% and 90% design, the City decided to replace the steel watermain through the brick arch tunnel at 26th Avenue West with a new casing pipe and HDPE watermain. This additional work included:
 - Structural design and details for piping through the arch pipe
 - Contractor meeting to discuss constructability
 - Changing the intersection to a concrete design to protect the arch pipe
- **Evergreen Hot Water Loop** – The City was seeking a separate grant to include a hot water loop into the Superior Street project. Although it was ultimately decided not to include this in the project, SEH completed additional work including:
 - Meeting attendance with the Evergreen team and City staff
- **Gateway Sign Design** – During the 90% review, the City decided to replace the Lincoln Park entrance gateway sign with a new sign. SEH completed the following
 - Gateway sign concept plans
 - Sign design and details
 - Structural footing design & geotechnical review
- **Additional Construction Phase** – The original scope included 3 phases of construction. To meet grant requirements, it was determined that a Phase “0” would be added to the design for the reconstruction of two intersections. Phasing plans and temporary layouts were revised to incorporate this change.
- **Additional Topo / Design (MnDOT)** – During the summer of 2024, MnDOT completed work at the Michigan Street and 22nd Avenue intersections. SEH completed additional topo survey and design work to incorporate those changes.
- **Ongoing Layout Changes** – Since the 90% design, there have been several changes requested to the layout and final design including 23rd Avenue West, Kia of Duluth, Sheet Metal Solutions, Duluth Tire, Duluth Cider and 26th Avenue West. The work items performed included:
 - New / updated turning movements
 - Parking lot layouts
 - Curb radius changes
 - Driveway entrance changes
 - This also required updates to urban design items. All updates have been made and are included in the 95% design.
- **Right to Construct Drawings** – Our initial scope included preparing permanent and temporary easement exhibits and descriptions. The City also requested “right to construct” exhibits that were prepared.
- **Watermain Depth Changes** – The initial direction from the City was to provide a 7.5” cover depth on all watermain for the project. Between 60 and 90% design, the City requested to shallow the bury depth of the watermain to 7 feet wherever possible. The profiles were updated on all mains, services, and avenue connections.
- **Streetscape / LA Updates** – throughout the project, there were several changes in the urban design elements that resulted in additional work. The primary items include:
 - Big Rock Exploration Coordination and design of rock placement
 - Concrete Bands (location and amount)
 - Tree and plant selection throughout corridor
- **DTA Shelters** – SEH will be designing the power and communication lines and layout for the selected DTA shelters. The DTA has not provided any details to date, but this work will be completed as part of the 100% submittal.
- **Project Management, Misc. & Meetings** – There were also many miscellaneous layout changes that were occurring as business meetings and City meetings were occurring (i.e. Big Rock, Kia of Duluth, Waste Management, etc.). Our planned schedule was extended by three months which necessitated additional meeting time and project management for all additional work.

This summarizes the major items that were outside of our original scope. The total cost of our additional work since the kickoff meeting is **\$498,551**. We are requesting a design amendment in this amount.

Fee Estimate

Our current contact and proposed amendments are summarized as follows:

Current contract for design:	\$2,411,000
<u>Requested amendments:</u>	<u>\$498,551</u>
Total SEH Contract:	\$2,909,551

We look forward to continuing our work with you on this project and to discuss this amendment with you.
If you have any questions, please contact me at **218.260.9551** or via email at **mbolf@sehinc.com**.

Sincerely,

SHORT ELLIOTT HENDRICKSON INC.

Matt Bolf, PE
Project Manager
(Lic. MN, WI)

mh
c: Cari Pedersen