



SUPPLEMENTAL LETTER AGREEMENT

January 6, 2023

RE: Dakota County
Veterans Memorial Greenway –
Amendment for Professional Services
County Contract #C0033121
SEH No. DAKOT 157442 10.00

Tony Wotzka
Senior Project Manager
Dakota County Physical Development Division - Transportation
14955 Galaxie Avenue
Apple Valley, MN 55124

Dear Mr. Wotzka:

Short Elliott Hendrickson Inc. (SEH®) respectfully requests approval of this Supplemental Agreement for Engineering Services (agreement) for the above referenced project. The agreement is needed to address the addition of a Phase II Environmental Site Assessment, veterans memorial node development, 105th Street design alternatives and a concept plan for 4420 Dodd Road as requested by Dakota County that was not included in our professional services contract #C0033121.

Phase II Environmental Site Assessment

The Phase I Environmental Site Assessment completed by SEH identified eleven (11) sites with a high risk of contamination based on previous land use and nine (9) sites with a lower risk of contamination. To protect Dakota County's project construction budget and liability costs, a Phase II investigation was initiated. The Phase II investigation provided information for the following:

- Liability protection (if purchasing contaminated property)
- Determining if Dakota County wants to enter the MPCA voluntary programs to get liability protection for properly handling contaminated soil and/or groundwater
- Determining the project costs associated with managing contaminated soil and/or groundwater so that it can be appropriately budgeted
- Notifying the Contractor in bid documents where contaminated soil and/or groundwater is known to be present so that they can plan accordingly

The cost for this work was \$126,936.26. A detailed breakdown is attached.

Veterans Memorial Node Development

During preparation of the interpretive memorial plan and memorial node concept development, SEH and the 106 Group completed refinements and iterations not originally accounted for as part of the original contract. Several of the concept node locations are located within City parks and required more than anticipated iterations to fit existing park facilities and meet the City's needs. Other concept nodes were refined based on feedback from The Veterans Advisory Group.

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 10400 Yellow Circle Drive, Suite 500, Minnetonka, MN 55343-9302

952.912.2600 | 800.734.6757 | 888.908.8166 fax | sehinc.com

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This included additional sketch-ups, 3D renderings, research and development of interpretive content points and precedent graphics, iterations that addressed Dakota County and the City of Eagan and Inver Grove Heights staff comments, preliminary cost estimates and value engineering iterations.

105th Street Design Alternatives

SEH developed three design alternatives for 105th St to develop approximate grading limits and permanent/temporary easement needs. These alternatives are summarized below.

- Option 1: match City of Inver Grove Heights local, rural street standard section
- Option 2: will consist of curb and gutter (along south side of the existing road only) / 3' boulevard / 10' trail / 2' clear zone
- Option 3: same as Option 2 but with 8' trail

These options were modelled in 3D using previously obtained topographic survey data (and Lidar data). Options 2 and 3 included the layout and preliminary design of a storm sewer system, including catch basin spread and storm main capacity sizing calculations.

Deliverables: Plan view exhibits of each option. Exhibits showed proposed typical sections, proposed improvements, approximate grading limits, and a summary of estimated easement needs. Included a preliminary cost estimate for preferred option.

Assumptions: Catch basin spread and storm main capacity sizing designs to meet City/County/Federal design standards. Storm design was based on option 2 only and used for both options 2 and 3. One (1) preliminary cost estimate was developed for the preferred option only and included a 30% contingency. Storm sewer profiles were not included.

SEH developed existing and proposed hydrologic watershed models in HydroCAD for the watersheds located in the City of Inner Grove Heights that are impacted by the proposed 105th Street trail alignment. This included evaluating the watershed drainage areas and land cover, runoff volumes, and the outfalls into the existing land-locked basins for the 2-year, 10-year, and 100-year, 24-hour rain events. Determination of the high-water level (HWL) for the existing basins was modeled when the chosen drainage design directly outfalls into one or more existing basins.

Deliverables: Stormwater Management report detailing model development and results that show all City stormwater rules are met.

	Tasks
1	Obtain and review existing condition data and develop existing conditions model
2	Evaluate alternative drainage systems and BMPs that meet City stormwater rules for each alignment alternative
3	Develop proposed conditions model for chosen alternative
4	Finalize stormwater design and model
5	Prepare a final Stormwater Management report

4420 Dodd Road Residential Development Concept

SEH was asked to complete a residential development concept for the private property at 4420 Dodd Road (PID 100250052010).

The concept plan was used as a basis for general marketability, rezoning, and platting the property in the future. The concept plan included:

1. General road layouts
2. Concept lot layouts
3. Proposed Phasing
4. Access points
5. Wetland delineation and buffer areas

Assumptions: SEH attendance at meetings were as directed and authorized by the Client. Meetings included the following:

- One (1) meeting with Client to review project scope
- One (1) meeting with Client to review concept plan
- Additional meetings will be billed on an hourly basis as additional services

Items Not included:

- Platting
- Preliminary or final design for site grading, streets, and utilities
- Technical specifications

Deliverables:

Provided 11"x17" Drawings (pdf and agreed upon electronic CAD file) as follows:

- Concept plan

Fee Breakdown

The following is a summary of the additional scope items and associated fees and reimbursable expenses.

Task	Associated Fees/Expenses
Phase II Environmental Site Assessment	
• Phase II Investigation, field expenses and subcontractor laboratory, drilling and excavation costs	\$126,936.26
Subtotal	\$126,936.26
Veterans Memorial Node Development	
• Veterans Memorial Node Development	\$23,250.74
Subtotal	\$23,250.74
105th Street Design Alternatives	
• Civil Engineering design alternatives	\$14,767.00
• Water Resource hydrologic modelling	\$33,636.00
Subtotal	\$48,403.00
4420 Dodd Road Residential Development Concept	
• Concept	\$6,000.00
Subtotal	\$6,000.00
Total Supplemental Agreement Amount	\$204,590.00

If this agreement is acceptable, our total contract amount will increase from \$1,299,151.00 to \$1,503,741.00. If approved, please prepare and process a contract amendment for execution. Please

Tony Wotzka
January 6, 2023
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contact me at 651.235.4296 or tmuse@sehinc.com if you have any questions or need additional information.

Sincerely,

SHORT ELLIOTT HENDRICKSON INC.

A handwritten signature in blue ink, appearing to read 'Toby Muse', with a stylized flourish at the end.

Toby Muse, PE (MN)
Project Manager

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