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September 25, 2023

RE: Town of Munster
Amendment #1 – Pedestrian Bridges
over Hart Ditch and Cady Marsh Ditch
SEH No. MUNST 157901

Dustin Anderson
Town Manager
Town of Munster
1005 Ridge Road
Munster, IN 46321

Dear Mr. Anderson:

Short Elliott Hendrickson Inc (SEH) is appreciative of this opportunity to submit this supplemental letter agreement for the Town of Munster's Pedestrian Bridges over Hart Ditch and Cady Marsh Ditch (Des# 1173597) to finalize the design of this project.

In October 2020, the Town selected Short Elliott Hendrickson Inc to complete the engineering design services for the Pedestrian Bridges over Hart Ditch and Cady Marsh Ditch. During the development of the project, multiple utility issues were encountered and the trail alignment needed to be revised to meet the requirements of the utilities.

Additionally, during the project development, the Town of Highland reiterated their stance on adding a southern link to the project along the NIPSCO Right of Way to Martha Street. This leg was not included in the initial scope of the project and will provide a benefit to both Highland and Munster residents.

PROJECT SCOPE

SEH will provide Engineering Design for the Pedestrian Bridges over Hart Ditch and Cady Marsh Ditch, along with a southern trail spur along the NIPSCO easement from the previously identified trail alignment to Martha Lane. Design submittals will be prepared in accordance with the Indiana Department of Transportation's project development guidelines to comply with the funding source.

To summarize – Tasks 1 and 2 are rework associated with the addition of the Martha Lane Connection, which was not in the initial project scope of work.. Tasks 4 and 5 are rework associated with the shift of the alignment based on coordination with NIPSCO and Wolverine Pipelines for the agreeable crossing locations.

During the initial scope of work, multiple revised alignments and additional utility coordination, including field observation and locate verification was needed to finalize the alignment. The budgets for

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 9200 Calumet Avenue, Suite N300, Munster, IN 46321-2885

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the original Task 6 and 8 were used to complete this work and have also been updated with our current billing rates.

Task 7 is for the final corridor design of the main East-West Trail – including grading to allow for utility maintenance to be completed on the North side of the trail. It also includes the addition of creating the project plans for the route to Martha Lane, which is anticipated to be a asphalt pathway.

Task 1 – Environmental Documentation – \$5,000

Scope: Resubmit early coordination letters with the new route to Martha Lane, Resubmit the MPPA Determination letter, prepare an Additional Information Document for the Project to meet NEPA Requirements.

Task 2 – Topographic Survey - \$3,600

Scope: Perform Topographic Survey along the NIPSCO right of way corridor from Martha Lane to the East-West Trail corridor.

Task 4 – Hydraulic Submittal - \$6,600

Scope: Update hydraulic modeling of the bridge crossings, including the proposed placement of fill in the floodway to accommodate utility maintenance crossing request through the corridor. Coordinate with DNR on amending the Construction in Floodway Permit.

Task 5 – Geotechnical Engineering - \$25,400

Scope: Perform 4-90 ft borings at the location of the bridge abutments to design foundations.

Task 6 – Structural Design - \$14,600

Scope: Design foundations and approaches for the prefabricated pedestrian bridges.

Task 7 – Stage 3 Submission – \$44,500

Scope: Prepare final design documents for the Pedestrian Bridges to meet INDOT's requirements. The will also include the preliminary design work needed to prepare documents for the design of the southern leg of the trail to Martha Lane.

Task 8 – Final Tracings - \$8,400

Scope: Prepare final Tracings submittal and carry project through bidding assistance.

PROJECT SCHEDULE

SEH is prepared to begin work on this project once a written notice to proceed is issued by the Client.

The project funding is slated for State Fiscal Year 2025, with the anticipated letting date for the Project set as September 11, 2024. Based on this date, SEH proposes the following schedule:

Submit Stage 3 Design Plans to INDOT: January 19, 2024

Submit Final Tracings to INDOT: May 20, 2024

Schedule assumes timely responses from NIPSCO and other utilities within the project area.

PROJECT FEE

SEH proposes to complete work for a lump sum fee of \$108,100.00.

As always, we appreciate this opportunity to provide design services to Munster and work to complete projects that improve our town. If you have any questions, feel free to contact me by email at gpeterson@sehinc.com or by telephone at (219) 405-3982.

Sincerely,

SEH OF INDIANA, LLC



Glenn Peterson, PE (IN)
Professional Engineer

c: Jill Ditomasso

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