

May 25, 2022

Mr. Scott Sanders
Village of Roscoe
10631 Main Street
Roscoe, Illinois 61073

RE: Roscoe Main Street – Pedestrian Bridge Design Additional Services

Dear Mr. Sanders,

Fehr Graham is pleased to present you with the following proposal for professional engineering services pertaining to the design of a pedestrian bridge crossing of the South Kinnikinnick Creek immediately adjacent to the Main Street roadway bridge crossing of said Creek. Our understanding of the scope of work is to complete supplemental topographic survey tying into the previously complete topographic survey for the Main Street Reconstruction project (FG Project No. 20-580), hydrologic and hydraulic design and reporting, and prefabricated pedestrian bridge design plans. It is assumed that this project will be constructed utilizing MFT funding as the funding source. Below is a description of the scope of service to be completed by Fehr Graham.

SCOPE OF SERVICES

Topographic Survey & Data Collection

Fehr Graham will complete a supplemental topographic survey of the area near the proposed pedestrian bridge crossing immediately east of the Main Street roadway bridge crossing of the South Kinnikinnick Creek. Ground features will be collected to develop an existing 3-Dimensional Surface for use in engineering design. Creek cross sections will be required upstream and downstream from the proposed crossing in order to properly complete the hydraulic review for the proposed structure.

In addition to the topographic survey and to supplement the base map, LIDAR data will be requested from local/County GIS databases. This LIDAR data will be obtained to see topographic conditions beyond the survey limits, both upstream and downstream of the existing culverts, to assist with the hydraulic analysis on this project.

Hydrologic and Hydraulic Report

Utilizing information obtained from the topographic survey and local/County GIS, Fehr Graham will complete the hydraulic design engineering to size the pedestrian bridge opening to allow for proper flow of the Kinnikinnick Creek and compile a hydrologic and hydraulic report for ultimate submission to the IDNR for review.

Engineering Plans

Fehr Graham will prepare detailed engineering plans for purposes of bidding and construction for a prefabricated steel pedestrian bridge with a concrete deck. It is our understanding that the Village would like to incorporate lighted handrails along the bridge. One geotechnical boring will be completed on either side of the creek crossing (two total) to assist with the bridge substructure design.

The final engineering plans are expected to include the following sheets:

- Cover Sheet
- General Notes, Standard Legend & Abbreviations and Typical Pavement Sections
- Removal Plan
- Bridge Substructure Plans
- Manufacturer Provided Prefabricated Bridge Plans
- Erosion Control Plans
- Standard Details

Plans will be signed and sealed by an Illinois licensed structural engineer.

Geotechnical Borings

Fehr Graham will subcontract with a geotechnical boring company to complete two (2) geotechnical borings. One boring will be completed on either side of the creek in the approximate location of each proposed abutment. A report will be provided by the geotechnical firm to recommend substructure design approaches.

EXCLUSIONS

The following items are **not** included in the scope of services proposed here within:

- Bidding documents and services separate from those already covered within the original scope of FG Project 20-580. It is assumed this bridge construction will be bid with the roadway reconstruction project.
- Boundary and plats of surveys, easement documents or legal descriptions
- Environmental studies including IDNR Eco-CAT & IHPA consultation
- Wetlands delineation or mitigation services
- Local/State Permitting or fees
- Construction Management, Observation and Layout
- Public presentations, board meeting attendance

Any of the above services can be performed as an additional cost to the project upon request.

FEES

Based on the information available at this time, we are prepared to provide these services as outlined for the following fee amount:

Topographic Survey & Data Collection	\$	2,900
Stormwater Analysis for Culvert Sizing	\$	12,300
Engineering Plans	\$	32,300
Geotechnical Borings	\$	6,000
Total	\$	53,500

Payment for the services rendered will be requested via an invoice prepared monthly.

AUTHORIZATION

We appreciate the opportunity to provide you with this proposal and trust that the information we have provided is in line with your expectations. Please sign the authorization line below to include this proposed scope and fee in the existing contract (Fehr Graham Project 20-580) and the associated terms and general conditions.

If you should have any questions, please do not hesitate to contact me.

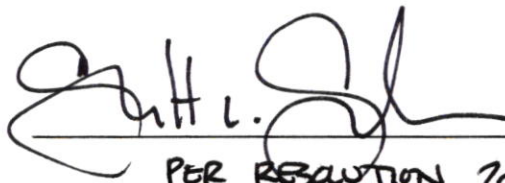
Sincerely,



Seth Gronewold, PE
Principal

SWG:ted

Authorization:

 Date: 6.22.22
PER RESOLUTION 2022-P42 APPROVED 6.21.22