



February 14, 2017

Mr. Michael Ellis
Village Manager
Village of Grayslake
10 South Seymour
Grayslake, IL 60030
Attention: Mr. William Heinz, Director of Public Works/Village Engineer

**RE: Ornamental Railing for CN Bridge over Washington Street
Professional Engineering Services – Supplement #1 Request**

Dear Mr. Heinz,

The purpose of this letter is to provide justification to support HDR's request to supplement our current contract with the Village of Grayslake for work associated with the Ornamental Railing for the CN Bridge over Washington Street. We developed the design plans and cost estimate for fabricating and installing the new bridge railing on the Washing Street Bridge. As part of this process, we coordinated with the CN Railroad, Lake County Division of Transportation, and the Village of Grayslake. Additional coordination was necessary with Patrick Engineering and Lorig Construction to facilitate the design review process and obtain details on fabrication and installation schedules. In support of the contracting process, HDR is providing additional services to prepare contract documentation and coordinate contract details on scope, schedule, fee, and railroad coordination.

Below is a list of specific tasks that are beyond the originally anticipated level of effort:

- Iterative process working with Patrick Engineering to address their review comments on behalf of CN Railroad.
- Coordinate with and advise Grayslake regarding options for procurement of the work – advertisement versus working directly with the general contractor of the ongoing IDOT project.
- Coordinated with Lake County Division of Transportation to discuss construction scheduling and work zone details.
- Contact general contractor for the IDOT project to discuss proposing on this work.
- Determine contractual approach to communicate legal requirements for the general conditions and railroad coordination (certificate of insurance, right-of-entry agreement, flagging).
- Prepare statement for Grayslake to share with Village board regarding proposed approach to procurement.
- Coordination with Berger/Lorig to request proposal for railing work.
- Sent request for proposal to Tim Riemersma of Lorig on 10/20/16.
- Received proposal from Lorig. Called to ask about fabrication time and schedule.
- Coordination with Grayslake on proposal from Lorig; cost-reduction strategies.

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- At the request of Grayslake, HDR started negotiation discussions with the fabricator/installer. Strategies to reduce cost were identified. A cost breakdown was obtained. Various ideas for modifying the design to reduce cost were identified.
- HDR carried out an initial assessment of the various strategies to reduce cost.
- HDR spoke with Lorig to assess what was included in their cost and possibilities in lowering their portion of the cost.
- HDR received word from Grayslake that Lake County is willing to contribute up to \$100,000 for the project, so HDR evaluated the optional approaches to move forward.
- HDR had a follow-up discussion with Lorig.
- Lorig verbally agreed to take on the field survey to verify existing bolt hole locations, which was previously excluded from their proposal.
- HDR requested a best and final offer from Lorig without any design modifications.
- Upon request of the Village, HDR filled out project-specific information in the contract short form and performance bond form for the contract with Lorig.
- Plans and special provision were updated with current date and made ready to issue for construction.
- General coordination with the Village regarding the aforementioned contract documents.
- General coordination with Lorig for the purposes of contracting with the Village.

HDR's work is focused on minimizing the construction cost and schedule risks associated with the ornamental railing installation. The work efforts to compliment the original contract represent a total lump sum fee of \$12,850. We appreciate your consideration of this Supplement #1 request and look forward to reviewing the shop drawings for the bridge railings.

Sincerely,
HDR Engineering, Inc.



Patrick J. Pechnick, PE
Senior Vice President


Acceptance _____



Michael Ellis, Village Manager

Date 4-17-17



April 7, 2016

Mr. William Heinz
Director of Public Works
Village of Grayslake
10 South Seymour
Grayslake, IL 60030

**RE: Request for Proposal
Ornamental Railing for CN Bridge over Washington Street
Professional Engineering Services**

Dear Mr. Heinz:

HDR appreciates the opportunity to submit our proposal for professional engineering services related to the design of an ornamental railing for the proposed CN Bridge (SN 049-3006) over Washington Street in Grayslake.

This task will include preparation of two contract drawings and a special provision for the construction of a steel ornamental railing along each side of the proposed CN Bridge over Washington Street. The ornamental railing will replace the pipe railing shown on the proposed bridge plans and will connect to the pedestrian walkway and supporting brackets extending from the plate girders in the same manner. The length of the ornamental railing will be 132 feet long and 3 feet 6 inches high, matching the pipe railing dimensions in the proposed bridge plans. The ornamental railing will be a post and picket type with a 3/8 inch thick kick plate at the base and a 1/4 inch thick silhouette pattern panel attached to the bottom half of the railing. At each end of the bridge the ornamental railing will have an aesthetic steel panel feature 4 foot 6 inches in total height resembling a monument. The contract drawings will detail one length of ornamental railing that will be utilized for both sides of the bridge.

Services in addition to the design task include 2 external meetings and phase III construction consultation. The phase III work will include response of up to two RFI's and review of up to 4 shop drawings for the ornamental railing fabrication. The review work is limited to an initial review and a follow up review to confirm changes were incorporated. Field visits are excluded from this work.

It is assumed the HDR generated drawings and special provision will be transmitted to the Bridge Contractor by the Village of Grayslake as a contract construction revision. The deletion of the proposed handrail will be a credit applied to the cost of the proposed ornamental railing. Fabrication and installation will be managed by the Bridge General Contractor.

Project Fees: HDR proposes to complete the ornamental railing design task for a Lump Sum fee of \$39,500.00 including all labor and expenses. Thank you for the opportunity to serve the Village.

Sincerely,

HDR ENGINEERING, INC.

Patrick J. Pechnick, PE
Senior Vice President

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