

February 18, 2014

Mr. Mark Delhotal
Vice President of Railroad Operations
City of Rochelle
420 North 6th Street
Rochelle, IL 61068

**Re: Proposal for Additional Professional Services
Design of Quiet Zone Improvements**

Dear Mark,

With the completion of the diagnostic reviews for both the BNSF and UP rail corridors, please accept this proposal for professional services related to the next steps in advancing the Rochelle Quiet Zone. For purposes of this proposal, the following crossings are included:

Street Name	Railroad	DOT No.
1 st Avenue	Union Pacific	175123V
9 th Street	Union Pacific	175122N
Washington Street	Union Pacific	175120A
Main Street	Union Pacific	175119F
Caron Road	Union Pacific	176396T
15 th Street	BNSF Railway	069803B
9 th Street	BNSF Railway	069801M
Washington Street	BNSF Railway	069799N
Main Street	BNSF Railway	069798G
1 st Avenue	BNSF Railway	069797A

The following details our scope of services associated with the design, implementation, and establishment of the Rochelle Quiet Zone.

Selection of Crossing Treatments and Filing of Notice of Intent

Fehr Graham will assist the City in finalizing the selection of the crossing treatments for both the BNSF and UP corridors. Upon final selection, Fehr Graham will prepare and submit the Notice of Intent to the FRA which initiates the establishment of the Quiet Zone. Included in this phase of work are the following items:

- Meetings with staff to review options
- Estimates of cost for each crossing
- Coordination with the BNSF for estimates to install quad-gate protection systems
- Preparation of the Notice of Intent and submittal to the FRA

Design of Crossing Treatments

Topographic Survey

Fehr Graham will complete a detailed topographic survey of each of the at-grade crossings detailed above. The said survey will encompass the area necessary to construct the desired improvements and will include all visible structures, utilities, equipment, roadways, railroad facilities, and trees. The survey will be completed utilizing the Illinois State Plane Coordinate System (West Zone datum of 1983 revised) and the 1988 North American Vertical Datum (NAVD-88). The completed topographic survey will be utilized in preparing the construction plans and specifications.

Traffic Counts, Railway Data and Final Quiet Zone Calculations

Prior to the construction of the improvements, Fehr Graham will collect up-to-date traffic counts and verify Union Pacific and BNSF rail traffic data in accordance with FRA regulations. For purposes of this proposal, it is assumed that IDOT District 2 will allow the City of Rochelle to use their traffic collection equipment. Fehr Graham will install the equipment and process the data. The processed traffic data and rail data will be used to generate the final Quiet Zone Risk Index for each rail corridor. These calculations will be provided to the FRA in conjunction with the Notice of Establishment.

Crossing Treatment Design

Utilizing the completed topographic survey as a base drawing, Fehr Graham will complete the final site engineering and design necessary to secure applicable permits, City approvals, and facilitate construction through the preparation of detailed construction improvement drawings and specifications for the above-referenced at-grade crossings.

Plan set will include:

- Existing site conditions
- Paving removal plan
- Paving plan and pavement design, including concrete median or channelization device installation
- Pavement elevations and spot grades
- Striping and signage plan
- Pavement illumination and lighting plan (if necessary)
- Site restoration plan
- Drainage and storm sewer design (1st Avenue Crossing Only)
- Erosion control plan (where necessary)

For purposes of this proposal, it is assumed that plans will not need to be prepared for the crossings proposed to be protected with quad gates or wayside horns, which at this time include the 15th Street and Steam Plant Road crossings with the BNSF. Included in this proposal is coordination with the BNSF in securing cost estimates in order to make decisions associated with treatment options.

The 1st Avenue crossing includes the design of the roadway widening on the west side of Poplar Street to better facilitate tractor-trailer movements. Excluded from this proposal

is the design of any improvements to the Street Department facility and access to the RMU Lift Station.

Plans will be prepared in accordance with City of Rochelle and State of Illinois regulations and be signed and sealed by an Illinois licensed Professional Engineer.

Notice of Establishment Application

Upon completion of the improvements, Fehr Graham will prepare and submit the Notice of Establishment to the FRA.

Exclusions

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

- Storm Water Pollution Prevention Plan (SWPPP) and NPDES Permitting
- Storm water detention report and design
- Traffic Study or Traffic Analysis
- Right-of-way or easement plats
- Economic and Environmental studies
- Permit fees

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

Schedule

Fehr Graham can initiate this project as soon as authorized to proceed. The topographic survey will be initiated as soon as the field conditions allow.

Fees

Fehr Graham is prepared to complete the above-described services as detailed below:

Selection of Crossing Treatments and Filing of Notice of Intent	\$ 8,500
Design of Crossing Treatments	
Topographic Survey	\$ 9,000
Traffic Counts and Final QZ Risk Index Calculations	\$12,500
Crossing Treatment Design	\$44,500
Notice of Establishment Application	\$ 2,400

Services rendered will be invoiced on a monthly basis until completion of the project.

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Authorization

Please consider this correspondence as an addition to our proposal for professional services dated December 12, 2012. Please sign below and fax back to our office at 815-562-4233 if this meets with your approval. Please contact me with any questions.

Sincerely,



Noah Carmichael, PE
Principal

Accepted:

Date: _____

NJC:rfs

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