May 16, 2019

Subject: Request for Proposal No. 41748  
Interlocking Signal System Upgrades for Milwaukee District  
Rondout Interlocking and PTC Upgrades  
Addendum No. 1

Dear Sir/Madam:

The subject Addendum No. 1 is being issued to correct, amend, add and/or delete certain words, phrases, sentences, or paragraphs in Request for Proposal No. 41748.

This Addendum No. 1 consists of:

1. **Delete** Exhibit 1-A, Specification No. 34 42 01 - 19, and **replace** with the attached Addendum No. 1 Exhibit 1-A, Specification No. 34 42 01 - 19.
2. The attached questions Metra has received and the responses from our agency.
3. Attached is a copy of the Pre-Proposal Attendance Sheet.

The question period is closed. Metra will be unable to respond to any additional questions submitted by contractors.

The Proposal Due Date remains June 6, 2019 no later than 4:00 P.M. (CST).

Please acknowledge receipt of the Addendum in your proposal submittal on page 25 of the Professional Services Agreement. Failure to acknowledge addenda may be cause for your proposal to be considered non-responsive.

Sincerely,

James Barker  
Department Head  
Construction & Facilities Maintenance Procurement  

SB
QUESTIONS/RESPONSES

Listed below are additional questions (“Q”) Metra has received and the responses (“R”) from our agency:

Q1: Please confirm the scope of supply related to PTC systems and subsystems for the signal supplier is at the WIU level and includes:
   a. Supply of PTC ready ElectrologIXS WIU, application, and mapping file
   b. Interface to PTC communications network through Ethernet cable to VPM-3
   c. Commissioning of Interlocking and verification of PTC messages to PTC system

R1:
   a. Yes, regardless of what type of equipment is supplied as long as it meets the Metra minimum specification.
   b. Yes, regardless of what type of equipment is supplied as long as it meets the Metra minimum specification.
   c. Metra shall commission the interlocking and verify PTC messages to PTC system.

Q2: Please confirm that the following items are outside of the scope of supply:
   a. PTC system design, supply, and integration external to the WIU
   b. PTC communications equipment including radios, towers, licensing and design
   c. PTC Back Office Server design and integration
   d. Onboard equipment
   e. Subdivision file modifications and GIS data

R2:
   a. No, this is not outside the scope of supply.
   b. No, this is not outside the scope of supply.
   c. Yes, this is outside the scope of supply.
   d. Yes, this is outside of scope of supply.
   e. Yes, this is outside of scope of supply.

Q3: With respect to signal bungalows, what level of completion of the bungalow does Metra expect to receive, i.e. does Metra want to receive Bungalows with utility wiring and complete all signal wiring internally or does Metra want to receive bungalows completely wired, tested & ready for field installation & commissioning?

R3: Contractor to supply houses/bungalows according to Specification No. 34 42 12.

Q4: If Metra intends to complete all bungalow signal wiring, should we provide completely assembled racks for each location (plug coupled) or just a kit of material for each location?

R4: No, the contractor shall provide just the kit of material. Metra forces shall wire and assemble equipment in bungalows.
Q5: Bidder requests the following clarification about fabricated ductwork as described in the request for proposals:

1. Are the requirements for fabricated ductwork contained in 34 42 02, DESIGN CONSTRAINTS, 1.01, A., 5. (Conduits) or is there a different specification?

SPECIFICATION SECTION IN QUESTION

Section 34 42 00, Part 3.02 GRAYLAND INTERLOCKING, A.7.,

All required Material to be supplied by Contractor for the Grayland House shall include, but not be limited to the following:

Item q.

All fabricated duct system for cables and gas lines under tracks or on bridges.

Specification sections with similar requirements:

Section 34 42 00, Part 3.03 RONDOUT INTERLOCKING, A. 9. m.
Section 34 42 00, Part 3.03 RONDOUT INTERLOCKING, C. 8. o.
Section 34 42 00, Part 3.03 RONDOUT INTERLOCKING, E. 9. s.
Section 34 42 00, Part 3.04 FLSD MP 33.00 CP TRI-STATE, H. 17.

R5: For purposes of this contract, conduit, innerduct and pipe are fabricated ductwork.

Q6: Project documents suggest the East and West Remote houses connected to Rondout will be a new fiber link for PTC. (1) Please clarify if there’s existing fiber optic cable spanning these locations with available spare fibers to make these connections. (2) If the fiber cable shall be placed new, please clarify the required fiber cable size (number of strands”). (3) Also clarify if the fiber cable is new if new conduit is required to house the new fiber cable.

R6:

1. No, the fiber will be all new.
2. Cable sizing is on the contract drawings.
3. Yes, see specification 34 42 43 section 2.03.

Q7: Project documents suggest the Contractor is responsible to map all new PTC wayside components. Please confirm if the Contractor is responsible to update the PTC220 WIU database and base slot plans to accommodate the new PTC additions.

R7: No, Metra is responsible.

Q8: How many circuit design reviews does Metra expect throughout the design of each phase? 1 final contractor checked set or multiple throughout the design progression?
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R8:  *The contractor is responsible for as many circuit design submittal reviews as required in order to achieve a complete acceptable design for the project. No additional compensation will be allowed for multiple design reviews.*

Q9:  Kindly confirm if software is part of each phased design package submittal?

**R9:**  Yes.

Q10:  Will Metra expect material to be shipped by phase and containerized per phase?

**R10:**  No.

Q11:  Rondout West CP remote shows new xing unidirectional at same IJ’s with TJC’s for Atkinson Road. We do not recommend predictor track connections at IJ’s with TJC’s. Will Metra replace TJC’s with new unidirectional remotes and AX circuit for Atkinson or shorten Atkinson’s approach?

**R11:**  *Atkinson approach will not be shortened. The contractor is responsible for design and procuring material for the Metra approved design.*

Q12:  Is professional engineer approval required for the design and/or installation of signal bridges and cantilevers on this project?

**R12:**  *See specification 34 42 01 section 2.16.8a.*

Q13:  Can flashing red be used in lieu of lunar aspects?

**R13:**  No.

Q14:  We would like verification that the signal contractor is not providing track components such as the turnout and headblock ties but only the switch machine, snow melters and switch layout.

**R14:**  *The contractor is responsible for providing switch/snow melters and all accessory equipment to mount switch/snow melters to the Metra provided headblock ties and rail.*

Q15:  Is “teleconferencing” an acceptable interpretation of “in person” as used in Specification 34 42 01, Part 2.08?

**R15:**  No.

Q16:  Are design or plan updates for Atkins Road part of this RFP?

**R16:**  *If the contractor’s design requires changes to Atkinson Rd., then it is the contractor’s responsibility to provide a safe and functioning system that includes all interfaces to adjacent locations.*
Q17: Verify if scope of work includes adding Electrocode to signal 1-345/1-348?

R17: No.
10. In submitting drawings for approval the Contractor shall use the MPQMP Transmittal Cover Sheet and clearly mark each submittal as shown in this Specification.

11. The Contractor shall maintain an accurate log of drawing submittals for the duration of this Contract. The log shall be updated and kept on the WBMS and submitted to Metra if requested. The log shall include information as shown in this Specification.

12. At the time of submittal, the Contractor shall note any proposed deviation from the requirements of the Contract.

2.11 SUBMITTAL APPROVAL PROCESS

A. “Approved” submittals will be handled as follows:

1. For drawing submittals, the Engineer will return one (1) of the submitted copies stamped “Approved” and countersigned by the Engineer.

2. For product submittals, the Engineer will return one (1) of the submitted copies stamped “Approved” and countersigned by the Engineer.

B. “Approved as Noted” submittals (minor corrections) will be handled as follows:

1. One (1) of the submitted copies will be returned stamped “Approved as Noted” and countersigned by the Engineer.

2. The Contractor shall, at his expense, make the corrections requested by the Engineer. The corrected version shall be resubmitted if requested by the Engineer and shall be considered approved.

C. “Disapproved” submittals shall be handled as follows:

1. If major corrections to the submittals are required, one copy will be returned stamped “Disapproved”. The Engineer will inform the Contractor of the necessary corrections to be made or the reason for not approving the submittal.

2. The Contractor shall, at his expense, make the corrections requested by the Engineer, and shall resubmit the submittal, following the same procedure as for the initial submittal, until final approval is granted.

D. If any correction shown on the submittals constitutes a change in the Contract Documents, the Contractor shall:

1. Give notice to the Engineer within five (5) days and before any extra work commences.

2. Submit a formal contract change notice with cost and time implications for Metra's review within ten (10) days of the initial correction shown in the submittals.

E. If the submittals show variations from the Contract requirements because of standard shop practice or for other reasons, the Engineer may approve any or all such variations. Variations approved by the Engineer shall

1. Be without additional cost to Metra.

2. Not relieve the Contractor of responsibility for executing the Work in accordance with the Contract Documents, even though such variations have been approved.
### Meeting Attendance

**Subject:** Pre-Proposal Meeting - RFP 41748 - Rondout and PTC Upgrades  
**Meeting Owner:** Steve Bauman

**Date:** 5/1/19  
**Time:** 10:00 AM  
**Location:** Rondout, A-20, and Grayland

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<thead>
<tr>
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<th>Affiliation/Position</th>
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**NOTE:** Meeting owner should retain the original form in his/her files.