

# Ohio Department of Transportation

## Prebid Questions

Project No. 101041

Sale Date - 4/8/2010

Question Submitted: 3/15/2010

Question Number: 1

1) Please provide the motor nameplate data for the synchro tie motor. 2) Schematic and 1-line drawings indicate dashed lines. The Legend Sheet indicates this to be an existing device, does this also apply to the wiring/cable? 3) The Legend drawings indicate a square box with a 's' inside the square. Is this CP-1 relay panel? 4) The CCTV specs calls for the use of a COHU-3930 camera. Is remote control from the control room required for the optical zoom?

**A1) Serial Number for the synchro tie motor is S-27N2818 Model AHNV as manufactured by Westinghouse. A2) Note there is a dashed line that indicates "New External Wiring". Therefore, all dashed wiring is not always to be assumed as existing/to be reused. A3) The "S" implies submarine cable termination, which is not applicable for the work being done in this contract. A4) It was our intent that the cameras would be setup during commissioning for tilt, pan, and zoom (typical for this type of application). It was not the intent that this would be adjustable by the operator.**

Question Submitted: 3/18/2010

Question Number: 2

On plan sheet 22 the note 'Work In & Over The Cuyahoga River' state " the bridge will be in the open position, that is, open to river traffic and closed to vehicular traffic". This statement seems to be in conflict with the MOT for this project.

**A) Roadway and River traffic will be maintained at "all" times except for the 21 day river closure and special night time roadway closures as in the general notes. Plan Sheet 22 will be revised as a part of an addendum.**

Question Submitted: 3/23/2010

Question Number: 3

Please provide contact information for access to the bridge for pre-bid site visits. The control stations, and access to the hoist motors, were locked and unoccupied at our last visit.

**Please contact Romas Pliodzinskas at 216-857-7520 to make arrangements for a site visit.**

Question Submitted: 3/25/2010

Question Number: 4

Can the existing drawings be made available?

Question Submitted: 3/29/2010

Question Number: 5

Ref. #41 - Structural Steel Members, Level UF, as per plan; Ref. #47 - Concrete Filled Grid Steel Roadway Deck; Ref. #48 - Fiberglass Sidewalk Grid; Ref. #49 - Open Grid Steel Roadway Deck; and Ref. #60 - Temporary Stringer all have a work type classification of 21, Level 2 Bridge. All of these items have to do with steel repairs. Could there be a mistake on these work types? Should all of these work types be 31, Structural Steel Repairs?

**Ref# 41, 48, 49 and 60 are revised to work type 24 and included in the addendum. Ref#47 is correct and is work type 21.**

Question Submitted: 3/29/2010

Question Number: 6

Drawing 23/94 Note 1 - In lieu of the steel temporary beam rail a 32" tall galvanized steel portable barrier...may be used. If the steel portable barrier is used is the temporary stringer floorbeam to floorbeam still required?

**Yes, you still need the temporary beam.**

Question Submitted: 3/29/2010

Question Number: 7

1. Please check reference numbers 22 and 45; they appear to be duplicate items for reinforced concrete approach slabs.

**Reference #45 is correct addendum is issued for ref # 22.**

Question Submitted: 3/29/2010

Question Number: 8

1. Please review the Work Type 21, Level 2 Bridge, assigned to Reference numbers 41, 47, 48, 49 and 60. These specific replacement items seem better defined as Work Type 31, Structural Steel Repairs or Work Type 24, Structural Steel Erection.

**Works types have been revised in the addendum (ref # 41, 48, 49, 60 revised to work type 24 and ref # 47 is still work type 21)**

All prospective bidders, subcontractors, suppliers, materialmen and all others who have an interest in these prebid questions and answers are advised that these items are being provided for informational purposes only and are not part of the bidding documents. If a question warrants a clarification, the Department will issue an addenda addressing the request for clarification to all plan holders. If the Department believes that the bidding documents adequately address the request, the contractor will be advised accordingly.

# Ohio Department of Transportation

## Prebid Questions

Question Submitted: 3/29/2010

Question Number: 9

WILLOW AVENUE LIFT BRIDGE 1.# 22 reinforced concrete approach slab 155 sy 2.# 45 reinforced concrete approach slab 159 sy Both items reference the drawings for the same work.3. Temporary beam rail, does all material have to be galvanized? Can used three beam rail be used for this work?

**Use the 159 sy quantity for the approach slabs as shown in the structural estimated quantities. Used guardrail may be used, so long as it is structurally sound with no impact damage.**

Question Submitted: 3/30/2010

Question Number: 10

1. There are navigation lights on both sides of the bridge. There are no drawings or discussion about these lights in the plans. Do these lights need to be maintained while the supporting steel is replaced? Where will the lights be mounted while the sidewalk stringers and railing system are being repaired/replaced? 2. The new steel stringer to floor beam connection plates will be shop painted with a three coat IZEU system. What are the requirements for surface preparation for the faying surface on the floor beam where these connection plates will be attached?

**A1. The contractor must maintain all functions of the lift bridge during construction. See Sheet 5 of 94 Under "MAINTENANCE OF TRAFFIC GENERAL NOTES" WATERWAY and on Sheet 20 of 94 WORK IN AND OVER THE OLD RIVER CHANNEL. See Sheet 5 of 94 WATERWAY: THE BRIDGE SHALL BE OPERATIONAL TO MARITIME TRAFFIC AT ALL TIMES. Sheet 20 of 94 WORK IN AND OVER THE OLD RIVER CHANNEL: THE CONTRACTOR SHALL MAINTAIN ALL EXISTING NAVIGATION LIGHTS, SIGNALS, ETC. Where the lights will be mounted is a means and methods question. A2. YOU MUST USE ODOT 514 SPECIFICATION.**

Question Submitted: 3/31/2010

Question Number: 11

On plan sheet 4 note #2 calls out Accessey by Atlantis Railing Systems as an approved source for the Fence item. Note # 3 calls for aluminum railing. Atlantis Railing makes stainless steel railing and does not make aluminum railing. What type of railing is required? Note #10 talks about concrete anchors, the existing railing appears to be buried in the ground.

**Plan sheet #4 Note # 2 shall be revised as: Remove "Atlantis Rail Systems" and add "As Supplied and Manufactured by Selco Manufacturing, West Caldwell, New Jersey or approved Equal." Aluminum 1.5 Inch schedule 40 aluminum pipe alloy 6105-T5 ASTM-B-429. See "Drawing 23 of 94" and "Drawing 24 of 94" for railing rehabilitation details.**

Question Submitted: 3/31/2010

Question Number: 12

1. Please review the quantity at reference numbers 41 and 42. Both quantities appear to be overstated by appreciable amounts. Considering the weight of the cover plates at both tower and lift spans, sidewalk stringers and diaphragms at the tower span and stringer connection plates at the tower span; yields a total weight about 40 percent short of the bid quantity at reference 41.

Please verify that the temporary stringer weight, as listed at reference number 60, is not included in reference number 42, which is the approximate difference in our calculations for this item.

**All bidders should bid the project as per the quantities in the plans. No quantities will be changed.**

Question Submitted: 3/31/2010

Question Number: 13

Mechanical Special Provisions page 2 'Supervising Personnel'.....shall be supervised and directed by foreman and supervising engineers, each with a minimum installation and design experience of two movable bridge machinery projects. Question is the design experience portion of note required to install the machinery as shown on the project plans?

**Yes: The installation foreman for the contractor must have experience with at least "two" movable bridge projects.**

**Yes: The supervising engineer must have experience with at least "two" movable bridge design projects.**

Question Submitted: 4/1/2010

Question Number: 14

Could the existing drawings be made available? In particular, existing electrical circuit diagrams/electrical as-builts?

**<ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/CUY-86257/>**

Question Submitted: 4/1/2010

Question Number: 15

Is the intent of the project to replace all electrical conductors and conduits, or only as needed, and to add conduits and circuits only as needed?

**The replacement of any component shall follow the plans and specifications. In the Work description of the electrical spec it states that : "The Contractor shall furnish, and install new conduit and wiring (where called for in Contract Plans or required based on site conditions)..." It also says the drawings were based upon field observations, etc and contractor is to verify. It includes the process that contractor must follow if there is some issue with existing conditions.**

---

All prospective bidders, subcontractors, suppliers, materialmen and all others who have an interest in these prebid questions and answers are advised that these items are being provided for informational purposes only and are not part of the bidding documents. If a question warrants a clarification, the Department will issue an addenda addressing the request for clarification to all plan holders. If the Department believes that the bidding documents adequately address the request, the contractor will be advised accordingly.

## Ohio Department of Transportation Prebid Questions

Question Submitted: 4/2/2010

Question Number: 16

1. Plan Sheet 91/94 indicates the "center window at the South wall of the control house shall be replaced under this contract". Please provide specifications for the size and thickness, make, model etc. to control this item of work.

**Replace in kind**

Question Submitted: 4/2/2010

Question Number: 17

It appears the quantity of 260 sf for ref 47 is also included in ref 49.

**All bidders should bid the project as per the quantities in the plans. No quantities will be changed.**

Question Submitted: 4/7/2010

Question Number: 18

Plan sheet 14/94 discusses a work zone traffic signal. Note number 5 on this sheet states 'it is the intent to utilize wireless communications between the two work zone traffic signals. It also states for the contractor to contact ODOT central traffic engineering for the specification and installation requirements. Does ODOT have an actual specification or installation requirements available for this item? It seems that the challenge using wireless technology to remotely run the signals at the south end of the bridge is in the ability to monitor them in the remote traffic control cabinet. The signal suppliers will not quote this item due to the lack of information on how this is actually supposed to occur. Any further information that might clarify this item is greatly appreciated.

**Please go to the following link for all ODOT approved  
signals<http://www.dot.state.oh.us/Divisions/ConstructionMgt/Materials/Pages/Portable-Traffic-Signals.aspx>**

---

All prospective bidders, subcontractors, suppliers, materialmen and all others who have an interest in these prebid questions and answers are advised that these items are being provided for informational purposes only and are not part of the bidding documents. If a question warrants a clarification, the Department will issue an addenda addressing the request for clarification to all plan holders. If the Department believes that the bidding documents adequately address the request, the contractor will be advised accordingly.