

Ohio Department of Transportation

Prebid Questions

Project No. 040293

Sale Date - 6/4/2004

Question Submitted:

Question Number: 1

1) Please see the answer to question #44 regard pole information and issue the standard construction drawings that are needed to properly identify labor and material costs for this item. 2) Numerous answers and responses regarding specification clarifications, drawing revisions and other pertinent information are addressed as "will be included in upcoming addendum". Please note that it takes time to send out and getback pricing, when will we get this information?

A1: More detailed answer to question #44 is as follows: Note 1 indicates poles to be replaced in kind 4 pole locations are shown on drawing number 114/166. Poles supplied shall be according to standard construction drawing HL-10.11 through HL-10.13. Provide the following: 4 each..... Galvanized Steel Light Pole Design A10B25, 713.01; 4 each..... Bracket Arm 10'; 4 each..... Foundations 24" x 6' deep; 4 each..... Ground Rods; Power service to the poles, and pole wiring shall be per the Special Provisions, and payment for all street lighting shall remain lumped with the lump sum item for Bridge Electric. The standard construction drawings are posted on ODOT web site. A2: Addendum 6 has this information.

Question Submitted: 5/10/2004

Question Number: 2

Please provide the following information:

*On drawing 165 of 166 as well as 153 of 166 there is reference made to an overhead crane. Where is the specification setion detailing type, size, configuration etc. of the crane? What bid item is this included under?

Question Submitted: 5/10/2004

Question Number: 3

Dwg 135 and 136 call for submarine cable, is this correct? we assumed this cable requirement was included with the aerial cable from the north and south gate house via the terminal box aerial to the machine room.

Question Submitted: 5/12/2004

Question Number: 4

Structure Notes Page 6 of 6 (7/73; 24/166)

"Steel Grid Roadway Deck Items:"

"Materials"

Structural steel shall.....meet specified minimum notch toughness requirements per CMS 711.01.....

Does all of the steel used to make the a finished deck panel need to meet the specified toughness requirements, or does this requirement apply only to the main components of the grid:

Main Bars;
Cross Bars;
Supplemental Bars;
Diagonal Bars)

Steels in addition to the Main Grid Components would be:

#3 rebars;
20 Ga form pans;
3/8 x 15 End Trim Plates;
3/8 x 5 Base Plates;
3/8 x 1-3/4 Stiffener Plates;
2-1/2" Sch 40 Pipe sleeves

Question Submitted: 5/12/2004

Question Number: 5

Pertaining to section 015004 please verify the following:

All retractable barrier gate manufacturers are required to demonstrate a satisfactory in-service performance record of an existing retractable barrier gate installation for five or more years for the NCHRP Report 350 design Level 3, 231,000 ft/#, maximum deceleration of 8 g's and stopping distance of 32'. Will all retractable barrier gate manufacturers be required to comply with this requirement?

Question Submitted: 5/12/2004

Question Number: 6

Please clarify conduit support material. Can we use steel support(strut) which is electro plated? or nonmetallic? and what are the restrictions on what area either can be used.

Spec calls for pvc coated conduit and fittings, what is the requirement for device boxes type FS, FD etc.?

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Question Submitted: 5/12/2004

Question Number: 7

What is the height requirement of the aviation lites mounted on the north and south towers? Feet above grade or feet above tower.
One line drawing 119 indicates a 600A ATS, cannot locate this on the plan view drawings.

Question Submitted: 5/13/2004

Question Number: 8

Spec 16000-58 3.38 requires hazard warning beacons as indicated on drawings. cannot locate on drawings.if they are required need new vendor B&B does not carry this item.also need additional info if we are to supply,ie color,flashing sequence etc. Thank you.

Question Submitted: 5/14/2004

Question Number: 9

Dwg 148 indicates 10 aerial terminal boxes, Dwg 119 shows 6 terminal boxes,please clarify. Thank You

Question Submitted: 5/14/2004

Question Number: 10

Spec Sec 16000-2-17 calls for sound power phones to be furnished cannot locate on drawings or spec.Can you clarify.
Several vendors asked if the letting date can be changed to the end of the 1st week of june due to the hoiliday,many vendors will be off either the week before or after.If this could be considered they would be greatfull. Thanks again Hank

Question Submitted: 5/14/2004

Question Number: 11

Dwg 147 calls for a stainless steel hoffman box for the aerial terminal boxes.spec 16000-36-Y requires a cast box for allbexterior boxes. Please clarify.Thank You:

Question Submitted: 5/17/2004

Question Number: 12

Lite fixture schedule dwg. 139 details exit lite information cannot locate exit lites on plan view drawings.Please advise.Thank You

Question Submitted: 5/18/2004

Question Number: 13

Lite fixture schedule for Fixture Type D does not have a catalog number or vendor type.Also plan view of MCC shows the FVD's being part of the MCC yet dwg 125 shows the drives as seperate units detached from the MCC please advise.Thank You

Question Submitted: 5/28/2004

Question Number: 14

Two major addenda have been issued in the last three days. Due to the complexity of the project, size of the addenda and the Memorial Day Holiday, we are asking the department to consider delaying this project. A few days or a week would not have any impact on the completion date of the project.

Question Submitted: 5/3/2004

Question Number: 15

Pertaining to section 0155004 -rehabilitation of barrier gates we request clarifications to the following:

- * Are the existing reel boxes to be completely dismantled and rehabilitated?
- * The main drum castings are 64 years old and could be cracked. Is it our responsibility to replace all damaged components?
- * Are all sub-assembly mechanical components to be dismantled and rehabilitated?
- * Are the existing brakes to be dismantled and the brake linings replaced?
- * Are there any electrical safety interlocks for guards and handcranks?
- * What is the minimum strength of the wire rope for the net and counterweight?
- * The net payout cables have bronze guides at the top and bottom cables, are these guides to be replaced with new bronze bushings?
- * Are the existing barrier gate drawings available?
- * The special provisions state that upon completion of the barrier gate rehabilitation and or replacement the gates will be operated through a minimum of 5 complete cycles. Please define the testing requirements for the emergency mode operation to verify that the rehabilitated or replacment gates stop errant vehicle impacting the retractable safety net.
- * Please provide the testing requirements for the retractable nets.

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Ohio Department of Transportation Prebid Questions

Question Submitted: 5/4/2004

Question Number: 16

Per addendum #2 dated April 22, 2004 the "special provisions changes" state that the manufacturer for the retractable barrier gate is the Lokran Industries Model #42. There are several other suppliers which have voiced interest in providing quotes on alternate gates. The specified gate manufacturer has indicated his gates meet the following requirements: "Level 3", 231,000 foot-pounds, stopping distance of 32 feet, and a maximum deceleration rate of 8 g's. Will any alternate gates be required to meet the same requirements?

Question Submitted: 5/4/2004

Question Number: 17

All of these questions pertain to the operators house & machinery enclosure part of this project.

1. Dwgs 149 & 155 of 166 - these drawings show lockers on the plan. is the contractor to provide the lockers? We can find no specification for them.
2. Dwg 160 of 166 - there is a detailed list of furniture shown on this drawing. is the contractor to provide these items? if so where is the specification.
3. Dwg 154 of 166 - Sections on this drawing call for a steel pan roof deck on the machinery enclosure. Where is the specification for this material/ Dwgs 161 & 162 of 166 - this drawings have notes that require the replacement of the metal roofs on the stone guard house structures. Where is the specification for these roofs? Are they copper or some other material?

Question Submitted: 5/4/2004

Question Number: 18

Cannot locate sheet 17A/73 that contains bearing details on-line.

Question Submitted: 5/5/2004

Question Number: 19

dwg 148-166 indicates 3" conduit each for cables on both towers for cables a,b,c,.dwg 146-166 cut sheet shows od of these cable either by code or physiscal requirements will not fit into a 3" conduit.

Question Submitted: 5/6/2004

Question Number: 20

- 1) In the general notes on sht. 24/166. It says to use epoxy coated rebar. Sense the grid is galvanized after fabrication, can the rebar be plain (black) and galvanized with the grid?
- 2) Could you clarify the note under Steel Grid Roadway Deck Item on sht 24/166 that says. "Main members, supplementary bars and cross bars shall be securely interlocked and connected at the top and bottom at each joint" Industry standard for this grid system is a puddle weld at each intersection at the top ONLY. What are you looking for at the bottom if anything?
- 3) The weld for splicing cross bars at panel splices shown on sht 40/166 should be a Field weld.
- 4) Is the break joints shown on sht 42/166 part of the grid deck item ?
- 5) What are the 1/2" dia holes for in the 3/8" x 3" x 5" base plates in the plan detail deck connection at top of stringer on sheet 40/166 ? Are these drain holes? Water can already drain thru clipped corners of stiffener plates. These hole are over the flange of the stringers and will allow water to get between base plates and top flange of stringer.

Question Submitted: 5/7/2004

Question Number: 21

1. On plane page 82/166 note #4 talks about the capacities & other details for the bridge crane & hoist in the machinery room. This note does not match the specification in section 015001 paragraph 2.7. The specification needs to be corrected & expanded to cover the bridge crane as well as just the hoists.

2. On plane page 82/166 note #6 states the machinery platform is part of item " Bridge machinery" later down the page 3 bid items are listed to cover what appears to be all of the same work. what structural steel or floor work is to bid under the Bridge machinery item - if any? This note is not clear. Perhaps this note refers to the welded steel machinery supports shown on the machinery drawings but it is not clear.

NE Quadrant, start Nov.15,2004 ... end Feb.28,2005

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