

Ohio Department of Transportation

Prebid Questions

Project No. 090466

Sale Date - 9/16/2009

Question Submitted: 8/28/2009

Question Number: 1

The Bid Quantity for Bid Item 103 Field Office is 12 Months. The Bid Date is 9/16/09 and completion date is April 19, 2010. Please adjust the Bid quantity in an addendum.

Question Submitted: 8/28/2009

Question Number: 2

The Bid Quantity for Bid Item 103 Field Office is 12 Months. The Bid Date is 9/16/09 and completion date is April 19, 2010. Please adjust the Bid quantity in an addendum.

Question Submitted: 8/31/2009

Question Number: 3

Can the original drawing for the widening be made available online.

<ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/CUY-82069/>

Question Submitted: 8/31/2009

Question Number: 4

Can the original drawing for the widening be made available online.

Question Submitted: 9/11/2009

Question Number: 5

Will plan sheet 50/175 be revised because of the additional work added in addendum 1?

Question Submitted: 9/14/2009

Question Number: 6

Since the stringers rest on floor beams, can the bridge deck form supports be welded to the top flange of the stringers.

They can be welded to the top flange using fillet welds at least 1" from the edge of the flange, no more than 2" long, and at least 1/4" thick.

Question Submitted: 9/3/2009

Question Number: 7

After inspection of project it seems the detour signing for this project is already there from a previous project. Will the contractor be able to use this detour signing for this project?

The detour signing that is up belongs to a contractor. It is helping the trucks to follow the truck detour for the Innerbelt Bridge. The contractor will not be able to use this signing and will have to put up his own detour signs.

Question Submitted: 9/3/2009

Question Number: 8

The Bid Quantity for Bid Item 50, Worksite Traffic Supervisor, is 12 Months. The Bid Date is 9/16/09 and completion date is April 19, 2010. Please adjust the Bid quantity in an addendum.

Question Submitted: 9/8/2009

Question Number: 9

1.What is 'legal weight truck'? Is it the post weight for the bridge or legal weight for an un-posted bridge?2.Are there any lane restrictions when work is being done using a crane not on the bridge?3.Is the 'Methods and Sequence of Construction' based on loading/unloading constraints? And if it is what are the constraints?

1. The "legal weight truck" is the legal weight for an un-posted bridge. The legal weight truck conforms to the requirements for Ohio Legal Loads and does not require a permit. 2. There are no lane restrictions when a crane or excavator are not on the bridge. Truck restrictions still apply. 3. The "Methods and Sequence of Construction" is based on truss structure member capacity limits. The loading conditions are based on analysis of the individual member's structural capacity. The critical members are the same as the listed members requiring strengthening prior to opening the bridge to unrestricted traffic.

Question Submitted: 9/9/2009

Question Number: 10

What requirements shall the high strength bar used in the floorbeam extension and cantilever strengthening meet?

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Ohio Department of Transportation Prebid Questions

Question Submitted: 9/9/2009

Question Number: 11

On Sht 94/140, the 11" x 11-1/2" in the floorbeam extension strengthening bracket is shown in the elevation view to be 3/4" thick. It is then shown in View A-A, Section H-H, and Section K-K as 1-1/4" thick. What is the correct thickness of this plate?

Question Submitted: 9/9/2009

Question Number: 12

There are not any grip or bolts lengths provided for the bolts used in Ref 70 – Floorbeam Gusset Repair, can ODOT please provide this information?

Question Submitted: 9/9/2009

Question Number: 13

What grade steel shall the cable brackets for the inspection cable be fabricated from? Can these brackets be field fabricated and will shop drawings be required?

Question Submitted: 9/9/2009

Question Number: 14

The quantity for Ref 89 – Truss Gusset Repair, Type 1 with Furnished Materials looks to be misstated. Please revise.

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Ohio Department of Transportation

Prebid Questions

Project No. 080616

Sale Date - 11/5/2008

Question Submitted: 9/29/2008

Question Number: 1

On plan drawing 8/466, the double nut angle installation sequence is described. The sequence indicates that any drilling of new bolt holes through new angles, fill plates and existing material is to be performed AFTER erection of new fill plates and angles. This drilling through multiple thicknesses will be very difficult and expensive. Would it be acceptable to drill holes and install new bolts one at a time (Steps H,I and J for double nut method) PRIOR to erecting fill plates and angles? We do not see any issues with structural integrity, and it would result in a more economical repair. Please advise.

Question Submitted: 9/29/2008

Question Number: 2

On page 14/472 in the contract drawings, There is a note about full sized patterns. In the note it states, "There will be a pattern for each complete angle assembly." It does not say anything about the plate repairs, Gusset Repair Type 7. Will there be full sized paper templates supplied for the plates to be installed onto the outside of the existing gusset plate?

Question Submitted: 9/29/2008

Question Number: 3

Inspection Cable note on drawing 8/466 specifies galvanized 5/8" dia. 6 strand fiber core wire rope. After checking with suppliers fiber core is not common so can the wire rope be steel core or synthetic core?

Question Submitted: 9/29/2008

Question Number: 4

Maintenance of Traffic, Will the current shutdown of the two outside lanes be in effect for the duration of this project and if so who is responsible for maintaining the zones?

The intention is for the two outside lanes in each direction to be opened as soon as possible. However, there is no schedule to open the lanes at this time. ODOT is responsible for maintaining the lane closures.

Question Submitted: 9/29/2008

Question Number: 5

The plan not on page 14/472 about the Full Sized Patterns states that electronic images will be provided. What type of electronic images will be provided, and will the contract drawings be available electronically for the awarded contractor?

Question Submitted: 9/29/2008

Question Number: 6

CP welds are specified for the mixer cut gusset repair angles. Is Ultrasonic or Radiographic Testing of these welds required and if so at what percentage of weld?

Question Submitted: 9/29/2008

Question Number: 7

For the gusset plate repairs type 1, 4, and 7 where the double nut method is to be used, can the holes in the 1 1/4" fill plate be plasma burned since this is just a fill plate?

Question Submitted: 9/29/2008

Question Number: 8

Is plasma cutting an acceptable way of cutting the shapes into the plates for all of the plates required in the gusset plate repair type 7 and the fill plates in gusset repair types 1 and 4?

Question Submitted: 9/30/2008

Question Number: 9

Truss Gusset Repair Type 4 Bolts for repair need to be separated out of list just as the type 7 repair bolts are listed independently. The type 4 repair is also the double nut method and the A490 bolts will have to include increased thread length.

Question Submitted: 9/30/2008

Question Number: 10

While looking through the contract drawings and proposal, we noticed no specific requirements for the fabrication of the structural steel. Are there any requirements for the fabricator on this job, or can any fabricator supply a price for the structural steel on this project?

Many of the Item 513 Structural Steel, Misc.: notes allow field fabrication or shop fabrication of the steel. Field fabrication does not involve a preapproved level of fabricator qualification, but the facility and equipment must be approved by the engineer. Shop fabrication must also be approved by the Office of Materials and CMS 513.03 Levels of Fabricator Qualification is a part of the plan note reference to 513 items.

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Question Submitted: 9/30/2008

Question Number: 11

On page 18/472 in the contract drawings, the plans note that there is a "PATENT PENDING" for the double nut method which is to be used for some of the gusset plate repairs. Is the G.C. who is awarded this contract responsible for anything for using this method of repair which has a patent pending?

The contractor is not responsible for any additional cost for this method.

Question Submitted: 9/30/2008

Question Number: 12

On drawing 12/466 the detail for the double nut method specifies a 2" dia. hole in the 1 1/4" fill plate. The washer dia. for a 7/8" bolt is 1 3/4" which does not allow much clearance between the washer and fill plate due to washer installation may not be concentric with the fill plate. Can the hole in the fill plate be 2 1/4" dia. to allow for more clearance?

The hole in the fill plate cannot be 2 1/4".

Question Submitted: 9/30/2008

Question Number: 13

Will the I-90 bridge be available for inspection by contractors during the overnight closing week of 10/06/08. If so how will contractors be notified?

No . The bridge will not be available to Contractors for inspection while the strain gauging operation is going on.

Question Submitted: 9/30/2008

Question Number: 14

Double Nut Method shown on drawing 12/466. These are not standard A490 bolts. Standard A490 7/8" dia. bolts are manufactured with 1 1/2" of thread. These bolts will need to be special ordered with a minimum thread length of at least 3". Please verify length of thread.

The A490 bolts are not standard manufacture. The thread lengths will need to be longer than a standard 1 1/2". The minimum thread length can be determined from bolt tables in the plans by subtracting the grip from the length except for bolts used in double nut connections. Bolts in double nut connections need to have the grip through the new material added to the thread length.

Question Submitted: 9/30/2008

Question Number: 15

Pencil Abrasive Blasting note on drawing 9/466. Note requires SP10 near white at repair locations. Can this be reduced to SP6 commercial blast for repair locations? Blasting has to occur prior to rivet removal and new material installation. There will be a period of up to two weeks after template is confirmed and fabricated material is installed. Which will allow blasted area to develop surface rust. Also new material being installed is weathering steel and will develop a rust coat against existing steel. At areas where bolts are installed per the double nut method you can not re-blast without causing damage to exposed threads before repair material is installed.

Question Submitted: 9/30/2008

Question Number: 16

Is there any of the full sized paper templates available for viewing before the bid date, and if so who do we contact to actually see these templates?

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