

Ohio Department of Transportation

Prebid Questions

Project No. 091028

Sale Date - 6/10/2009

Question Submitted: 5/21/2009

Question Number: 1

This project has 16 months set up for field office yet the completion date for this project is June 30th of 2011. With a bid date of June 10th, there is no reason this project can't be completed at the end of 2010. Further backup of shortening the completion date would be the fact that plan notes allow the structure to be closed for reconstruction for only 9 months.

Based on information from the Consultant and from the District's Bridge designers, the District will leave the Completion Date as June 30, 2011. If the Contractor needs time to obtain his materials, i.e. the 48" Cast in Place RC Piles, the I-beams, etc., he may not start his work until early 2010. Also, we will leave the field office time (16 months) as it is.

Question Submitted: 5/27/2009

Question Number: 2

Are the existing bridge plans available and can they be posted to a ftp site?

There are no plans available for this structure.

Question Submitted: 5/28/2009

Question Number: 3

There appear to be several overhead power lines crossing the project and an underground gas line in the vicinity of the work. Neither the project proposal nor plans provide details about utility relocation locations, schedules, etc. or information about which power lines will remain active or not. Usually the proposal includes a special section for utility work - can one be provided for this project?

Question Submitted: 5/28/2009

Question Number: 4

The detour plans on sheets 9 and 10 indicate signalized intersections. Is the State's Contractor to signalize these intersections as part of the detour, or are the indications just for informational purposes about existing signalized intersections?

The signals details on sheet 9 and 10 show existing signalized intersections.

Question Submitted: 5/28/2009

Question Number: 5

Please provide details of the exfiltration trench. The referenced standard WQ-1.2 does not have details for an exfiltration trench.

Question Submitted: 6/2/2009

Question Number: 6

Two questions concerning the 48" diameter pier piles. 1.) on plan page 47/73, notes under item 507 - piling, 6th paragraph beginning "Do not remove excess What is the reason for this paragraph? Cutting the casings to the top elevation or just above it prior to excavating the interiors, placing the rebar cages & placing the concrete fill will be much easier if done from elevation 864 +/- . If there is a problem with a pile during or after interior excavation additional casing can be welded back on & the pile driven further if necessary prior to placing the cage & concrete fill. The piles cannot be driven further once filled with concrete. Can the "excess" casing left in place be limited to 1' or less? 2.) on plan page 56 note 5 states mechanical connectors are required for the verticle bars in the 48" piles. However the details on this page show lapped splices for these bars. The steel list on drawing 64 also calls for lapped bars. Are mechanical couplers required for these bars?

Question Submitted: 6/3/2009

Question Number: 7

Per the note 2 on sheet 63 the contractor must provide expansion couplings near the abutments. Please provide details for the couplings and the transitions to and from the couplings.

As stated in the note, these are to be installed per the manufacturer's recommendations. Since the plan only limits the pipe class and not the specific manufacturer, it is not practical to detail every possible choice available to the contractor. It is anticipated that the pipe manufacturer has the appropriate fittings for this work.

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.

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Prebid Questions

Question Submitted: 6/3/2009

Question Number: 8

Referencing the note on sheet 47/73, it states, "Do not remove excess casing length which may exist above the top of the pile plan elevation after driving is complete until all excavating, cleaning, placing of reinforcing steel, and concreting has been completed and concrete has cured." Why is this required as it is possible to have over 15 feet of extra casing which will make it very difficult and near impossible to excavate out the casing as well as extremely difficult to check the grade on the concrete and rebar placed inside the casing to assure that it is at the correct elevation for the cut-off after the fact. Will the department consider allowing the contractor to cut-off the casing after all driving operations are complete including any restriking that may be necessary?

The reason we did not want the excess casing length removed until all excavation, cleaning, placement of the reinforcing steel, and the concrete had been placed and cured was to avoid change orders if the piles needed to be restriking to achieve the required ultimate bearing value, to keep high water in the river from infiltrating the top of the pile, and to keep extra weight on the piles until the concrete inside the casings cured to counter buoyancy.

Question Submitted: 6/3/2009

Question Number: 9

Where is the 2" conduit running through the railing to be paid?

In the bridge estimated quantities on sheet 48/73.

Question Submitted: 6/4/2009

Question Number: 10

The plans indicate the existing piers to be removed to the top of the existing piles, which is approximately 13 feet below grade in these areas. Will the Department consider removing the piers to an elevation of 3 feet below the existing grade and saving the expense of the sheeting in these areas.

Due to the high potential for scour in the stream bed after construction of the new piers, the existing piers are to be removed to the lines indicated in the plans.

Question Submitted: 6/5/2009

Question Number: 11

Sheet 47/73 states that dynamic load testing is to be performed on each pile. The plan quantity for this item only allows for 4 tests to be performed. There are 8 piles in the piers, should this item be increased? Sheet 47/73 states that restriking should be performed on each pile, again there is only 4 restriks in the plan quantities, should this be increased?

Per CMS 523.02, a dynamic load test consists of a minimum of two piles. Therefore 4 Each Dynamic Load Testing is the correct quantity to test each pile.

Question Submitted: 6/6/2009

Question Number: 12

Ref# 126 class c pier concrete above footer, seems to be double what my takeoff qty is. please review.

We have checked the consultant's calculations and have confirmed that the quantity shown for this item in the plan and proposal are correct (72 CU. YD.).

Question Submitted: 6/8/2009

Question Number: 13

We are to temp relocate a fiber optic cable for this project. Can you tell us how many fibers are in the conduit. It makes a big difference.

A plan note on Sheet 37/73 indicates that this information (existing circuit diagrams and splicing details) is available from the City of Dover. A contact person and telephone number for the City of Dover Office of Technology is listed in the note.

Question Submitted: 6/8/2009

Question Number: 14

ref 122/piles shows a lap for the vertical #11 bars, but note 5 on sheet 56 of 73 states a mechanical connector is required. Which is correct?

Please see addendum.

Question Submitted: 6/9/2009

Question Number: 15

What is the rebar size required for the top longitudinal steel in the prestressed concrete I-beams? Reference page 15/23 of the structure plan sheets.

Top longitudinal rebars are #6.

Question Submitted: 6/9/2009

Question Number: 16

Is there more detail on the insulation requirements for the 14" waterline ? i.e. manufacturer/supplier

Several suppliers are available to perform this work. One supplier is Perma-Pipe, Inc. They have a sales representative in Medina, OH.

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