

Ohio Department of Transportation

Prebid Questions

Project No. 090119

Sale Date - 3/11/2009

Question Submitted: 1/22/2009

Question Number: 1

The Trumbull Cty Engineer now has information regarding the existing structure. Please post the information on the server.

Two TIF images have been placed for reference by the bidders at the following path:<ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/TRU-23460/>

Question Submitted: 1/22/2009

Question Number: 2

Page 6 has Item Special, Pipe Cleanout 125 LF. This item and quantity is not listed on the General Summary. Where are the costs for this item to be allocated?

Question Submitted: 1/22/2009

Question Number: 3

Proposal Addendum No. 1 under item 1.3a indicates dewatering may be required and that this water shall be containerized and subsequently disposed. All containerized water shall be subject to testing by an inspector. What testing is required for the containerized water (for instance, volatile organic compounds, semi-volatile organic compounds, Mirex, etc.) and how many samples need to be collected for analysis?

Question Submitted: 1/22/2009

Question Number: 4

Can legible and readable existing plans be posted online for this project?

None are available. TRU county does not have the original drawings for this bridge.

Question Submitted: 1/22/2009

Question Number: 5

Ref #46, Sheeting and bracing ordered and left in place, 6 MBF states that this item is to be used at the direction of the project engineer. Please clarify that this item is to be used for the water line bore and receiving pits. If so this item should not be as directed. It is needed due to the fact that the two pits are more than 20 feet below grade next to the Mahoning River. Also, this item should be bid as a square foot item not MBF. Possibly this is a typo. Square feet is the industry standard. The square footage of sheeting estimated for the two pits is near 20,000 sf. Please change the bid item to reflect sheeting in square feet and clarify or explain why the possibility exists to leave in place.

Question Submitted: 1/22/2009

Question Number: 6

We request confirmation of the previous prebid questions concerning the waterline bore. Is the design consultant certain that the bore depth and soil profile is adequate to prevent the river from entering the bore pit through the bore head with its disturbance as the bore travels under the river? We also request that the 638 Item sheeting and bracing is removed and replaced with a cofferdam item. The 638 sheeting item does not cover the required work necessary for this work. Wood sheeting is not an applicable solution for this work. A cofferdam item allows the contractor to choose a much safer, water tight and efficient system and is applicable to this extremely critical item. Has the thought been given to temporary bypass the existing waterline and put the new line on the structure?

Question Submitted: 1/22/2009

Question Number: 7

Has either ODOT, the design consultant or local water authority considered a HDPE directional bore for the waterline under the river? This method could eliminate the need for deep bore pits and potential water and soil issues. Readily available and compatible materials are available to mate ductile iron and HDPE. This is potentially another economical, safer and constructable solution to the proposed plan.

Question Submitted: 1/23/2009

Question Number: 8

Can the "environmental study" referenced on Sheet 8/45 be made available in an Addendum or on ODOT's website. This information is relevant to our bid.

ODOT is not in possession of the study; bidders may examine environmental studies at the TRU county engineer's office as stated in the plan notes.

Question Submitted: 1/23/2009

Question Number: 9

We have deep concerns about the viability of boring a 22" diameter casing and installing a watermain in close proximity under the river which contains sand/gravel soil with approximately 13' of groundwater above the pipe (according to information obtained from the soil borings). There is a high probability that, during the boring process, water from the river will drain directly into the boring pit via the bore and surroundings. We believe this to be a constructability and safety issue. Please review.

The borings included in the plan reasonably represent the subsurface conditions that will be encountered in the work. The contractor should employ the appropriate means and methods necessary to complete the work as described in the plans.

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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Question Submitted: 1/23/2009

Question Number: 10

The waterline issue and redesign addressed by addendum 4 requires further clarification. Due to the fact that the existing waterline service cannot be interrupted at any time we feel that a design should be given to the contractor for the temporary support of the 8" temporary HDPE line. Due to the nature of the river, soils and need for unimpeded service, the design responsibility should not fall on the shoulders of the contractor. Also, the Item Special, 24" steel casing pipe describes insulation in the third paragraph. However, the pay description and new drawings on page 23/45 and 36A do not include or show insulation. Therefore, there is no pay item for the insulation inside the casing nor outside of the casing pipe. Please add appropriate pay items for the insulation required in and out of the casing. Please provide a temporary support design including the anchorage of the HDPE pipe to the support which will handle the anticipated waterline pressures and pipe expansion and contractions. The temporary design should also be able to handle impacts to supports from floating debris at high water elevations.

A design for the temporary water main / temporary support will not be provided; basic parameters have been provided. As you cited in the item special note for the steel casing, insulation is included in the price for the steel casing.

Question Submitted: 1/23/2009

Question Number: 11

asphalt paving for this project call for med duty 64-22 on the roadway. asphalt paving for the bridge is different 64-28 binder and 1H wearing. these are heavy duty designs. is the proposal correct stating med duty pavement. or should all the pavement be heavy duty. please check ref. 38, 39, 64, and 65.

Question Submitted: 1/23/2009

Question Number: 12

The Plan Note under the heading "Environmental Work" on Sheet 8/45 calls for the Engineer to provide inspection and testing services of excavated materials from the river prior to transport and disposal. Does the State have an estimate of how long these tests will take so the contractor will know how to bid on the related work? This can affect the production of the Cofferdam Work, Rock Channel Protection, Pile Driving, Structure Removed, etc.

The analytical results of the sampled material can be processed in three (3) days at the laboratory, in addition to four (4) days advanced notice to the Lab.

Question Submitted: 1/23/2009

Question Number: 13

Per Sheet 8/45 under the heading "ENVIRONMENTAL WORK" a note states "THE CONTRACTOR SHALL TAKE MEASURES TO ENSURE THAT DEMOLITION DEBRIS DO NOT FALL INTO THE RIVER." We believe this is not possible since the contractor is required to remove the existing pier and abutments which are located directly in the river and along its banks. It is also necessary to construct a river crossing in accordance with SCD DM-5.1 which is not referenced on the Title Sheet to gain access to construct two new piers located in the river. This involves fill that may become contaminated.

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