

# Ohio Department of Transportation

## Prebid Questions

Project No. 080152

Sale Date - 3/26/2008

Question Submitted: 2/13/2008

Question Number: 1

In Addendum 1, in the Question area, you stated that the waiting period for HEN-24-1141 included the piers. Due to access problems, could you review this decision to allow pier construction to begin prior to the wick drains and embankments being constructed.

Question Submitted: 2/13/2008

Question Number: 2

What is the DBE Goal for this project

**An addendum will be issued to establish the Goal. It will be 8%.**

Question Submitted: 2/14/2008

Question Number: 3

1. What are the points of access for construction of structure HEN-24-1141, especially as it relates to the pier construction since they are surrounded by North Turkeyfoot creek, the railroad, and a wetland? 2. The wick drains extend into the area of the footer for Pier#1 for the left bridge of HEN-24-1141 while it does not for Pier#4. Also, the wick drains extend into the area of the footer for Pier#1 of the right bridge of HEN-24-1141 while it does not for Pier#3. Is it the intent for the wick drains to be in the area of the footer work? 3. Is the pier construction on HEN-24-1141 affected by the waiting period for the wick drains? 4. Where are the 4A notes for the utilities? 5. During the SR109 construction of the MSE walls, is there any concern for the re-incorporation of water into the foundation soils through the wick drains once the preload has been removed and the wick drains are exposed to possible heavy rains? 6. For access to the work immediately east of Bad Creek, what is available? 7. There was/is a contract let to perform clearing and grubbing for this project. Is that work complete? If not, when will it be completed and what remains to be done?

Question Submitted: 2/14/2008

Question Number: 4

Question #1: Are the CADD files available to the contractor? Question #2: Are the pavement calculations available?

**For DGN files: <http://www.dot.state.oh.us/contract/dgn.htm> For calcs: <http://www.dot.state.oh.us/contract/ftp/attach/HEN-80443/>**

Question Submitted: 2/14/2008

Question Number: 5

Addendum #1 included this question and answer: "Is the pier construction on HEN-24-1141 affected by the waiting period for the wick drains?" The answer was: "Per the note on Page 33, under Station 593+25 to Station 618+00 (HEN-24-11.41 L&R), 8b, will include both abutment and pier piles." FOLLOWUP QUESTION: If pore pressures are maintained within the specified 3 psi limit, couldn't work progress on Pier #2 for the Right bridge and Pier #2 and #3 of the Left bridge during the waiting period? We understand how high pore pressures could tend to displace the soil in the immediate vicinity of the embankments, but with the 3 psi limitation and the distance from the toe of slope, would this actually occur on the aforementioned piers?

**Use Load plate dimensions: 12.5"x 1'-1"x 2"**

Question Submitted: 2/25/2008

Question Number: 6

Concerning the MSE Wall Plan and Elevation & MSE Wall Detail Sheets: 1. Is it the intent of the plans to perform wall excavation 10' behind the end of the soil reinforcement straps as described on the MSE Wall Detail Sheets? In the past, this measurement has typically been 1'. 2. Also, is it the intent of the plans to determine the width of MSE wall excavation by using a measurement of 10' from existing ground elevation? Should this measurement actually be the limit for the foundation preparation? 3. Finally, is it the intent of the plans to place Item 203 embankment 703.17 (ODOT 304 material) behind the 1:1 slope of Item 840 Select Granular Embankment? If so, please define the rear limit of this material.

Question Submitted: 2/27/2008

Question Number: 7

The new 6" waterline being installed at TR 5B is shown to be approximately 7.5' below the existing waterline and on the same alignment. This will be impossible to do and maintain flow in the existing waterline. Can this alignment be changed?

Question Submitted: 2/27/2008

Question Number: 8

The cross sections for SR 109 and Ramps A, B, C, and D do not tie together. There is approximately 100' missing on all 4 ramps, which equates to a substantial embankment quantity bust. Please calculate actual quantity required and revise plan quantity.

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# Ohio Department of Transportation

## Prebid Questions

Question Submitted: 3/1/2008

Question Number: 9

On Sheet 35: Note: Endangered Species Habitat- Bald Eagle and in Add # 2 regarding the same, is "trucking" or "hauling" through the bald eagle nest 1/2 mile radius on the USR 24 R/W, considered work? Will we be allowed to "truck" or "haul" through this area from Jan 1 to July 1?

Question Submitted: 3/11/2008

Question Number: 10

Question#1: Sheet 467 of the plans designates the placement of Item 840 Select Granular embankment and Item 203 Embankment 703.17. The top of the sheet shows limits of Roadway Quantities and Wall Quantities which are in conflict with the Pay Limits of Proprietary Wall Embankment shown farther below on the same sheet. Which is correct? Question#2: Sheet 467 shows the Select Granular material being placed at a 1:1 slope above a volume of Item 304 which is also to be placed at a 1:1 slope on one end of the volume and vertically at the opposite end. Considering that this is in the area of the Preload embankment which will be eventually removed, has anyone viewed this as a constructability issue when the dirt, the 304, and the Select Granular embankment are to be placed back into this area; especially with the 304 being constructed at a 1:1 slope? Question#3: On sheet 467, what is the purpose of the 304 material being placed below the Select Granular fill in the so called "Roadway Quantities" area? Does this have to be Item 304?

Question Submitted: 3/11/2008

Question Number: 11

1. Without reading, and possibly incorrectly interpreting, the 600+ pages of the 404 Permit included in Addendum #3, couldn't ODOT just let the bidders know if a permit requirement is required for construction stream crossings? During the prebid meeting, the question was raised and the immediate answer was that it would have to be checked. It was possible that the construction of the stream crossings were already anticipated and included in the 404 Permit and additional permitting may not be required. So, the question is asked again. Is an additional permit required? If so, how is that process initiated? To whom is it directed? How long will it typically take?

Question Submitted: 3/12/2008

Question Number: 12

Concerning the MSE Wall Details on sheets 467 and 470: Please provide the distance between the end of the soil reinforcement straps and bottom limit of wall excavation.

Question Submitted: 3/13/2008

Question Number: 13

1. Special Provisions 404 Permit-Waterway Permits. Sheet 17 of 48 Impact to Wetland W54, Note= REMOVE AND STOCKPILE TOP 12 INCHES OF TOPSOIL. TO BE USED AS FINAL TOP 12 INCHES OF FILL TO MATCH EXISTING GRADE IN WETLAND. I CAN NOT FIND WHERE THIS IS ADDRESSED OR QUANTIFIED IN PLANS OR QUANTITIES OF WORK? 2. Application for Department of The Army Permit 404 Permit. Sections 20 thru 22 If Dredged and/or Fill Material is to be Discharged. Clean, hard fill material will also be discharged into wetlands along with Minimal Degradation Alternative to achieve the desired elevation for roadway. The plans indicate that the contractor is to place soil embankment in the wetland areas. Does this meet the requirement of clean hard fill?

Question Submitted: 3/13/2008

Question Number: 14

Under reference # 0080, 6" conduit type E, the plan sheets show the pipe being placed to allow for the existing field tile to be drained by this pipe. Do we just install the 6" type E pipe or do we need to connect the existing field tile into these pipe runs? What is the depth required for 6" type E pipe runs? Also the plan sheets call for the existing field tile to be plugged at various locations. Is this plugging cost covered in Item # 0014 Special - Fill And Plug Existing Conduit addressed in the General Notes on plan sheet 29 or is the cost to be included elsewhere?

Question Submitted: 3/14/2008

Question Number: 15

1. Would you please provide a detail or specification for Bid Item #151- Meter, Setting, Stop and Chamber. 2. Would you please provide a detail or specification for Bid Item #152- 2" Air Release Valve.

Question Submitted: 3/17/2008

Question Number: 16

Subject Addendum 5, Completion of Work, Paragraph 1, The contractor should expect to receive notice on 09-11-08. The contractor shall have this section of roadway between SLM 0.00 and SLM 4.62 open to unrestricted traffic by 10-01-08. If the existing contractor is not complete with his contract work, until after 9-11-08 how will the contact time be modified? Pavement Markings & RPM's are not part of this work. How can the contractor be held responsible for these items of work. Who is responsible for generating profile grades and time frame for approval for the milling operation?

Question Submitted: 3/17/2008

Question Number: 17

Is bid item #25 Granular Embankment (As Per Plan), to be placed in loose lifts or compacted according to CMS section 203?

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# Ohio Department of Transportation

## Prebid Questions

Question Submitted: 3/17/2008

Question Number: 18

Addendum 5 added Item 617E10100 Compacted Aggregate Type A, Quantity 12082 cubic yards. Based on the typical sections provided with addendum 5 we can only verify 223.74 cubic yards. Where is the 11858.26 cubic yards to be placed?

Question Submitted: 3/17/2008

Question Number: 19

After a review of the Sequence of Construction (Stage 1) and the time allowed to construct the overpass @ County Road 4A (240 days), it appears some revisions maybe required. Assuming an early start date of June 2, 2008 for the work @ County Road 4A, the 240 days allowed for construction puts the completion of the overpass at the end of January in 2009. This places 60 days of calendar time in December and January which are not typically conducive to construction. Would the Department review these days and consider revising the days allowed to a maximum of 360 days which would allow the construction of county Road 4A to begin in 2008 (as directed in Stage 1 sheet 38) and still allow the opening of 4a to coincide with and/or precede SR 109, as directed in the criteria for maintaining traffic on sheet 38 of 775.

Question Submitted: 3/18/2008

Question Number: 20

Addendum 6 Question Q6-6. During construction of project 080152 fill material is to be placed in existing wetlands within the project limits. The cross section indicate that the contractor is to place soil embankment in the wetland area. The 404 permit indicates that clean hard fill will be used to fill existing wetland. Does 203 soil embankment meet this requirement for clean hard fill?

Question Submitted: 3/19/2008

Question Number: 21

Will access be provided on the east side of structures HEN-24-1572 L&R (Bad Creek), and if so from where? This has been discussed, but we have not seen an official response.

Question Submitted: 3/19/2008

Question Number: 22

1. Addendum #6 stated that the MSE wall select granular embankment, embankment as per plan, wall excavation, and foundation preparation items had calculations posted on the ODOT website at: <http://www.dot.state.oh.us/CONTRACT/ftp/PrebidQs.pdf>. Visiting that site reveals pavement calculations, but we don't find the MSE wall calculations. Where did we go wrong?

<http://www.dot.state.oh.us/CONTRACT/ftp/attach/hen-80443/>

Question Submitted: 3/20/2008

Question Number: 23

Reference sheet 606 of 775. On HEN-24-1572 (L & R) plan dimensions are not given for the steel load plates at the abutments. Reference is given to 'Wpl' and 'Lpl', but no dimensions are located there. What are the plan dimensions for the steel load plates?

**Abutment Load Plate Dimensions HEN-24-1572 L/R over Bad Creek :**

Question Submitted: 3/20/2008

Question Number: 24

Part of Addendum #8 requires barns to be cast in the outside face of bridge #HEN-109-1975 parapets. Our question is are the barns to project or recess from the face of the parapet ?

**Lp1= 12.5"**

Question Submitted: 3/21/2008

Question Number: 25

In areas where stiff surficial soils are present where wick drains can not be installed without pre-loosening the soil, what procedures should be followed? If pre-augering or pre-drilling is required, are there separate pay items for these activities? Please provide direction/guidance for performing these tasks. In areas where stiff to dense ground is present above the target wick drain depth it is industry standard procedure to terminate the wick drain at the point of refusal. Please advise what should be done if the target depth can not be reached with normal wick drain installation procedures. Regarding measurement for payment, industry standard is to pay for all drains installed, regardless of whether or not the design elevation is reached, assuming that refusal was met. Please confirm that drains terminating above the design elevation, but refusing in very stiff to hard soils will be included in the measurement for payment.

**Wp1= 13"**

Question Submitted: 3/24/2008

Question Number: 26

This question is regarding the MSE walls shown on sheets 466 to 471. What is the allowable bearing capacity that shall be used as the criteria for designing the MSE walls at SR109 over US24 and US 24 over CR 4A?

**Note: Proprietary Retaining Wall Data. See sheets 468 and 471 Allowable Bearing Pressure.**

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## **Ohio Department of Transportation Prebid Questions**

Question Submitted: 3/3/2008

Question Number: 27

On sheet 197 of 775, a 30" Type B Conduit is to be installed thru the County Road 8 and County Road S intersection. The west half of the Road S intersection is not being replaced and it appears there are no pavement quantites setup to account for the 30" pipe to be installed thru the intersection. Is the pavement replacement to be included with the pipe or will current bid items be adjusted to accomodate the pavement repair due to the conduit trench?

Question Submitted: 3/6/2008

Question Number: 28

Addendum #1 lists the 4A notes concerning the status of existing utilities on the project but there are no stated dates for this work to be completed. Could ODOT please address each utility and state when they will have their individually itemized work completed?

Question Submitted: 3/8/2008

Question Number: 29

Is it possible to provide the calculations used to determine the quantites for the MSE walls? Specificaly the Select Granular Embankment, Embankment as per plan, Wall Excavation, and the Foundation Preparation items.

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