

Ohio Department of Transportation - Prebid Questions

Project No. 100503

Sale Date - 10/8/2010

FRA-79331 - IR-71-6.09

Question Submitted: 10/7/2010 9:27:32 AM

Mowing maintenance period?
Number of cuts?

Question Submitted: 10/6/2010 3:41:54 PM

Calculations are listed for every category. What about mulch quantities?
Topsoil depth?

Question Submitted: 10/6/2010 2:53:14 PM

Ref # 64, Fence, Misc, Decorative Fence As Per Plan - The detail on sheet 665 does not indicate that the fence posts are to be set in concrete footings or to what depth the post is to be set. Please clarify if the posts for this fence are to be set in concrete or dirt tamped.

Question Submitted: 10/6/2010 10:03:22 AM

Bid reference 364 specifies a double chorded signal support structure with a foundation that mounts directly to a bridge structure. A previous ODOT project that was recently constructed with a similar signal support structure and bridge mounted foundation was found to create an excessive vibration frequency leading to a rapid support structure failure. Can this project be delayed to address this concern?

The design of the signal support / bridge structure connection is not the same as other designs constructed recently here in Ohio. The design of the signal support for this project has been reviewed and is approved. The project will not be delayed.

Question Submitted: 10/5/2010 4:05:43 PM

We received addendum #4 for this project at 2:13 Pm on Tuesday 10-5-10.

This addendum revises several plan pages and also some quantities. Will this bid opening be delayed due to the lateness of this addendum?

See forthcoming addendum.

Question Submitted: 10/1/2010 12:03:29 PM

IN REGARDS TO BID LINE ITEM 0011 THE GENERAL NOTES ON PLAN SHEET 27 OF 726 STATE THAT WE ARE TO CONTACT MR. DAN WISE FOR THE LOCATION OF THE DELIVERY. MR. WISE STATED THAT WE NEED TO ASK A PREBID QUESTION FOR THE LOCATION OF THE DELIVERY. CAN YOU FURNISH THE LOCATION INFORMATION FOR THE DELIVERY OF THE PIPE.

See forthcoming addendum.

Question Submitted: 9/30/2010 4:05:31 PM

1) Please check the MSE wall calculation. It appears that the pay quantity does not go all the way to the top of the concrete coping per SS840.

2) The pay quantity for SGB does not reflect the Limits of Select Granular Backfill shown on sheet 474. Please revise.

3) Is the time for the four LEOs in Phase 2A and Phase 3A beam placement included in item 414? If not, is this to be included in item 516?

See forthcoming addendum.

Question Submitted: 9/30/2010 1:52:05 PM

Regarding removals on Sheet 148/726. R4 and R5 refer to 2-EA Regulated Underground Storage Tanks to be removed. The plans provide no information and the Regulatory Agency's have no records regarding these tanks and the cost for removal varies with size, construction and contents. Please provide this information regarding these tanks, or indicate what is to be assumed/bid.

See forthcoming addendum.

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Question Submitted: 9/30/2010 1:47:02 PM

Per ref 250 light pole as per plan. The Decorative Light Pole along pilaster structure 71-08871 qty 8 on page 576, 579 and 589. Does the project require dampening of the light pole shaft and truss arm the same as shown on the alternate decorative light pole as per plan that would be on the structure.

See forthcoming addendum.

Question Submitted: 9/30/2010 10:20:27 AM

Please clarify how the Portable Changeable Message Signs will be paid for. Is the unit of "day" mean each day a single sign is turned on and being used or is it every day a sign is on-site. The note on sheet 38 says we are to have two message boards on-site for the duration of the project, but then later it says the locations are shown on sheets 40, 54 and 72.

See forthcoming addendum.

Question Submitted: 9/30/2010 10:18:17 AM

The quantity for Portable Concrete Barrier, 32" appears to not have included the shifts required in Phase 2A and 3A to shift the lanes back to 12 ft instead of 10.25 ft on I-71. Please adjust the quantity if correct.

Plan sheet 43 outlines the following requirements: "Full maintenance of traffic plans have not been provided for the 12' (original lane width) scenario. Maintenance of traffic configurations for this condition shall be as illustrated in phase 2A and or 3A with the exception that I-71 travel lanes shall be kept at their original lane widths. Protection from the hazards of the work zone shall be consistent with the requirements outlined on the Ohio Department of Transportation's Standard Construction Drawing MT-101.90."

Use of PCB at this point in the construction process may not be needed and is a function of construction methodology implemented by the individual Contractor. The requirement noted on sheet 43 and reiterated above states that: hazards in the work zone shall be protected per the requirements outlined on standard drawing MT-101.90. There are drop off conditions on this sheet that do not require the use of PCB. The Contractor is advised to carefully plan coordination between phases 2A and 3A to prevent the need for PCB at this project transition point.

The quantity of PCB will not be increased. If an individual Contractor feels that their construction phasing operations will necessitate the reuse of PCB, any additional costs associated with this work shall be factored into the unit price issued for the Item 622 Portable Concrete Barrier, 32", quantity provided in the plan or Item 614 Maintaining Traffic, As Per Plan

Question Submitted: 9/29/2010 10:32:35 AM

On sheet 484, the notes for the PVC sanitary force main material reference C900, Class 100, then the additional requirements note references ASTM D2241. ASTM D2241 allows for SDR21 or SDR26 to be used which is a significant cost savings over C900. Which material and class of pipe are we to use?

For the portions of the sanitary force main pipe that is not ductile iron the sanitary force main pipe shall be constructed of polyvinyl chloride pipe conforming to AWWA C900, Class 100 as stated on sheet 484. There are no quantity changes associated with this response.

Question Submitted: 9/28/2010 4:24:56 PM

On September 14, 2010 a question was asked if the Office Calculations will be made available, to date this question has not been answered nor has the calculations been made available on the web site. We wondered also if the calculations are going to be made available?

<ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/FRA-79331/>

Question Submitted: 9/28/2010 8:55:31 AM

This question is regarding the "Concrete Barrier, Single Slope, Type D, As Per Plan, B". The note on page 30 includes this wall as one of the barrier that includes "Architectural Concrete Form Work". However, this as detailed on page 25 is poured with its back directly against an MSE wall. Only the front face (the side facing I 71) is exposed. What sort of Architectural form work does the front face of this wall get?

No formwork is to be applied to the front face (side adjacent to traffic) of any Type D Barrier items. The contractor is advised that Detail "Q" on sheet 25 shows 0.50" PEJF between the wall and the back of the "Concrete Barrier, Single Slope, Type D, As Per Plan, B". Notes on sheet 30 have been revised to call for architectural formwork on "Concrete Barrier, Single Slope, Type D, As Per Plan, A" rather than "Concrete Barrier, Single Slope, Type D, As Per Plan, A & B".
No quantity changes result from this revision.

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Question Submitted: 9/28/2010 8:27:46 AM

pg.665 on plans, my question is regarding the woodgrain vinyl product required in this plan. Only 1 out of the 4 suppliers listed carries this specific product. It is a significant price difference. The question is does ODOT require that specific woodgrain product or are the suppliers listed products acceptable?

Though a wood grain texture is preferred for "Item 607, Fence, Misc.: Decorative Fence, As Per Plan", all four listed products are acceptable for this project. Notes for "Item 606, Fence Misc.: Decorative Fence, As Per Plan" have been revised on sheet 665 so no approved manufacturers are restricted to a wood grain texture. All other specifications outlined for the decorative fence shall remain unchanged. No quantity changes result from this revision.

Question Submitted: 9/24/2010 12:41:31 PM

We need to submit a formal question to Ohio DOT regarding the 179' truss structure. Here is what we need to know:

Item 632 Signal Support, Misc.: Double Chord Structure - Is it the states intent that the column and chord members be true round, or are 18-sided members acceptable?

Plan intent is that round poles be used as shown in the plan details and the contractor is advised to bid the signal supports as provided in the plans. If the contractor is proposing an alternate item to what is shown in the plans, a formal submittal of detailed design for this item would be required in accordance with applicable guidelines established in the ODOT Innovative Contracting Manual, the ODOT Change Order Policy and the ODOT Value Engineering Change Proposal. A change from the plan details would require that the alternate design and new materials would have as a minimum, equivalent structural capacity for the loads of trusses, signage, all loads and wind loads on all components, and signals. The bolt patterns must match the current plan details for attaching these assemblies to the bridge structure. A licensed professional engineer would be required to seal and approve the alternative members.

Question Submitted: 9/23/2010 8:55:34 AM

This question is regarding the On-site assistance for Retaining Walls. Line No. 0477, Item Code - 840E27000. We request that the Quantity of 20 days be reduced to 3 days.

The plan Quantity of 20 days should remain unchanged.

Question Submitted: 9/21/2010 1:51:14 PM

Where is the rub railing to be included for payment?

The Rubrail concrete is paid for under Item 898E10211, QC/QA Concrete, Class QSC2, Superstructure (Deck), As Per Plan.

Question Submitted: 9/21/2010 10:10:11 AM

Paragraph #3 on plan sheet 484 states that "No separate payment shall be made for containment and disposal of liquids" that are associated with the SWACO force main. Since there is no method for the contractor to determine the quantity of liquid that will be encountered during operations associated with the SWACO force main, can payment for containment and disposal of this liquid be made at the unit price associated with and as part of reference #80, Special-Work Involving Regulated Water?

Payment for the containment and disposal of liquids that are associated with the SWACO force main are to be included with the associated Sanitary Force Main Removal and Abandonment items shown on Sheet 484 and shall not be included with Item Special-Work Involving Regulated Water. The contractor can determine the quantity of liquid that may be encountered in the SWACO force main from the SWACO force main record plans (reference attached Existing Plans Sep 29 10). The contractor is advised to assume that the force main may be full and may be under residual pressure and hydraulic head at the force main removal points shown in the project plans. The contractor shall utilize the project plans and record plans in combination with the contractor's means and methods to determine the quantities of force main liquid that may be encountered and needing to be contained and disposed of in accordance with the project plans. This response does not require a revision to quantities.

Question Submitted: 9/15/2010 2:44:17 PM

RE: COMBINATION CURB & GUTTER, TP 2, APP, A: Sheet 8 shows 18" gutter width, and sheet 20 shows 24" gutter width. Which is it?

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Question Submitted: 9/15/2010 2:26:33 PM

On sheet 30, it is clear that three of the barrier items are to have architectural formwork (Tp D Barrier, APP, A & B and End Section, Tp D, APP). Can you clarify if any of the other barrier items are to have architectural formwork?

The questioned barriers do receive the architectural formwork as indicated in the contractor's statement. Other items receiving formwork include the headwalls and endwalls (as indicated on sheets 427/726 and 441/726) and the retaining wall faces (as indicated on sheets 473-481).

The Architectural Concrete Formwork note on bridge general notes sheet 622/726 that states "custom concrete forms shall be used on the back of bridge and abutment wingwall parapets. The forms constructed shall meet the details shown on sheet 39/45".

Reference to this sheet is also made on abutment sheets 629/726, 631/726, 632/726, and 634/726.

No quantity changes result from this.

Question Submitted: 9/15/2010 9:16:11 AM

In the bid letting pamphlet, reference no. 0216, item 625E10615 - Light Pole Anchor Bolts on structure, as per plan qty 32. What size and design is required for the anchor bolts used for the qty 8 light poles mounted on the bridge.

The anchor bolt diameter, length, and bolt circle diameter for the eight light poles to be mounted to the top of the bridge parapet is specified on bridge sheet 643 of 726. All anchor bolts, washers, and nuts shall be galvanized. The contractor shall coordinate his work with the light pole supplier prior to pouring the light pole bridge pilasters to ensure compatibility of the delivered light pole base and anchor configuration as shown on the plans.

Question Submitted: 9/14/2010 3:10:15 PM

I sent an email yesterday about 452 pavement slipform problems on 665 due to varying widths. The same problem occurs on the ramps. The contractor will need to have the freedom to adjust the joint spacing throughout the project so that slipform pavers can be properly utilized.

The locations of longitudinal pavement joints for the Item 452 pavement have been designed and specifically located to:

- **Meet ODOT criteria as per ODOT Pavement Design and Rehabilitation Manual Section 303.3 for Longitudinal Pavement Joints**
- **Accommodate maintenance of traffic phasing**
- **Occur at lane lines**
- **Occur at grade breaks**
- **Occur at concrete median edges**
- **Accommodate adequate pavement drainage**

The Contractor is advised to bid the project plans as provided. However, adjustment of widths by the Contractor may be proposed for review and approval in accordance with ODOT procedures for Innovative Contracting and Value Engineering provided the design intent of the pavement cross slopes are not altered and all ODOT requirements for spacing and locating pavement joints are adhered to.

Question Submitted: 9/14/2010 2:28:14 PM

For Bid Ref 251 & Ref 392, Luminaire decorative, APP, I would like to request if Sternberg Lighting's 1914G3/RLM431 Series can be considered as an approved equal to the specified items as detailed on plan page 578. Sternberg's product can be found at their website address: http://www.sternberglighting.com/product_details.asp?id=1218

Response: The Contractor is advised to bid the luminaires as specified in the plans. The Contractor may propose the Sternburg fixtures for review and approval in accordance with ODOT procedures for Innovative Contracting and Value Engineering provided the design intent of the plans are not altered and all ODOT and Grove City requirements for physical appearance, photometric distributions parameters and maintenance considerations are adhered to.

We cannot accept the Sternberg fixtures as an approved equal which would require an extensive investigation and photometric calculation process. There are multiple factors that need to be considered. Per ODOT policy, these factors were developed for three individual fixtures as listed in the plan.

No quantity changes result from this revision.

Question Submitted: 9/14/2010 9:47:31 AM

Will ODOT make the Office Calculations available?

<ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/FRA-79331/>

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Question Submitted:

9/13/2010 3:29:43 PM

Much of the 452 on SR 665 has widths which vary back and forth from 12' to 14' to 16'. This makes it very difficult to impossible to slipform in an efficient manner and will result in substantially more hand finishing and a lower quality pavement. Can the contractor adjust paving widths so as to minimize this problem?

The locations of longitudinal pavement joints for the Item 452 pavement have been designed and specifically located to:

- **Meet ODOT criteria as per ODOT Pavement Design and Rehabilitation Manual Section 303.3 for Longitudinal Pavement Joints**
- **Accommodate maintenance of traffic phasing**
- **Occur at lane lines**
- **Occur at grade breaks**
- **Occur at concrete median edges**
- **Accommodate adequate pavement drainage**

The Contractor is advised to bid the project plans as provided. However, adjustment of widths by the Contractor may be proposed for review and approval in accordance with ODOT procedures for Innovative Contracting and Value Engineering provided the design intent of the pavement cross slopes are not altered and all ODOT requirements for spacing and locating pavement joints are adhered to.

Question Submitted:

8/30/2010 9:51:32 AM

Can ODOT please post the existing bridge and roadway drawings for the project to their ftp site?

<ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/FRA-79331/>