

# Ohio Department of Transportation Prebid Questions

Project No. 090215

Sale Date - 4/22/2009

Question Submitted: 11/24/2008

Question Number: 1

Revised plan sheets 5 thru 8 show the shallow underdrain is being installed through item 204 Granular Material, Type C. 204.02 of the CMS, third paragraph states "Do Not use Granular Material Type C,D,E, or F in the locations where underdrains are to be constructed." Is it ODOT's intent to disregard this spec?

**Item 204, Granular Material, Type C shall be placed as per plan**

Question Submitted: 11/24/2008

Question Number: 2

422 Double Chip Seal, APP general note on page 10 of the plans specifies a crushed gravel for the cover agg. Would the department consider using a limestone aggregate in place of the crushed gravel?

**crushed gravel, as per the plans, will be required for the double chip seal.**

Question Submitted: 11/24/2008

Question Number: 3

A note regarding the rigid pavement repairs on page 134 states "All reinforcing steel shall be epoxy coated and conforming to CMS 709.00" please clarify if this applies only to the dowels, deformed bars, tiebars, and rebar, or if it also applies to the reinforcing mesh. Thanks.

**Reinforcing mesh shall conform to item 451, Reinforced Portland Cement Concrete Pavement material specifications.**

Question Submitted: 11/24/2008

Question Number: 4

There is Concrete Barrier Single Slope Type D barrier on this project and there is Concrete Barrier End Section, Type D on this job. However, there is no pay item for end anchorages. Based on Std Drw RM 4.5 shouldn't there be a separate pay item for reinforced end anchorages any were the Type D barrier doesn't end with an end section? (several runs appear to have an end section on one end and a blunt end on the other).

Question Submitted: 11/25/2008

Question Number: 5

Regarding the sealing of concrete surfaces on this project, while we understand the specifications regarding the sealing of concrete surfaces, will the department please clarify that 100% removal of existing concrete sealer will be required on structures where existing concrete sealer exists before new concrete sealer can be applied. Thank You

**Surfaces to be sealed shall be prepared in accordance with CMS 512.03 (f).**

Question Submitted: 11/25/2008

Question Number: 6

On Sht. 14/222 a note under Item 614, Maintaining Traffic states "ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC BETWEEN DECEMBER 1, 2009 AND APRIL 1, 2010." During Phase-2 of Part-1 traffic is running partially on the outside shoulder. Is it ODOT's intent to simply have 2 lanes open in each direction with one lane still running partially on the shoulder or do both lanes have to be running in their permanent location? If both lanes must be in their permanent location does the temporary outside Edge Line on the Shoulder that is not in traffic have to be removed?

**December 1, 2009 shall be considered to constitute an interim completion date, meaning all of PHASE 1/PART 1 and PHASE 2/PART 1 of sheet 15/222 shall be complete by this date. This means the surface course and permanent traffic control markings shall be completed from STA. 727+00 to STA. 920+65 by December 1, 2009. Work on Part 2 Phase's 1 & 2 shall resume on April 1, 2010.**

Question Submitted: 11/25/2008

Question Number: 7

At Bridge ATH-33-1600LT over Stimson Ave, the plan sheets show demo of the approach slab and portion of the abutment to be re-built. We must excavate through the porous backfill to get to this work. Does the department want the porous backfill replaced? If so, please add a bid item for porous backfill in an addendum.

Question Submitted: 11/25/2008

Question Number: 8

Could the existing structure drawings for Bridges ATH-33-1760L&R, ATH-33-1600L and ATH 50-1592L&R be put on an ftp site?

**<ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/ATH-21904/>**

Question Submitted: 11/25/2008

Question Number: 9

What type reinforcement was used in the existing 9" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT?

**Existing Standard Construction Drawings for Reinforced Concrete Pavement are located in:**

**<ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/ATH-21904/>**

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## Ohio Department of Transportation Prebid Questions

Question Submitted: 11/25/2008

Question Number: 10

Sheet 11/222 includes a note stating "REMOVE LOOSE PIECES OF BROKEN CONCRETE THAT ARE NOT FIRMLY SEATED PRIOR TO PLACING THE DOUBLE CHIP SEAL. REPAIR ANY VOIDS WHICH, IN THE OPINION OF THE ENGINEER WILL MAKE COMPACTION OF THE DOUBLE CHIP SEAL DIFFICULT. THESE VOIDS INCLUDE AREAS WHERE LOOSE PIECES OF CONCRETE WERE REMOVED, JOINTS, CRACKS, SPALLS, ETC. REPAIR THESE AREAS BY APPLYING TACK COAT, FILLING WITH AN ASPHALT CONCRETE AND COMPACTING. THE TYPE OF ASPHALT USED SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACING. PAYMENT FOR TACK COAT, ASPHALT CONCRETE AND COMPACTING SHALL BE INCLUDED IN THIS ITEM." Per this note, this work is incidental to Item 451 Reinforced Concrete Pavement, Misc.: Breaking and Seating Existing Reinforced Concrete Pavement. The amount of this work will be very subjective and is completely in the opinion of the Project Engineer. Please provide a quantity estimate for this work, that is to be included in this item, or establish a separate bid item to cover this work. Also, what type of asphalt is to be used for this work?

**1) The department will not estimate the quantity of asphalt, nor create a separate bid item. Paragraph six (6) of the plan note addresses quality control for the Breaking & Seating pay item; the amount of voids from the Breaking and Seating will be based on the Contractors performance.2) 448 Type 1 shall be the pavement used to fill voids.**

Question Submitted: 11/25/2008

Question Number: 11

Also regarding the Spray Applied Membrane System (SAMS) specified for 3 of the bridges, the plan notes state that "All manufacturers not certified by the British Board of Agreement...or validated by AREMA FAST Test must be qualified by producing a product qualification test." We would assume that the designers had some specific products in mind when developing the specs for this project. Could ODOT please plainly state what products and manufacturers would be acceptable for use?

**I know that Rubber Polymer corporation has a product called RS-60 that meets this spec. I do not know who else has a product that meets this spec.**

Question Submitted: 11/25/2008

Question Number: 12

1.The typical shows placing the underdrain in a 36" deep trench. Per 605.03.C, we are to then place granular material for the full depth of the trench. This would mean that there would only be the thickness of the intermediate and surface asphalt on top of the stone. Is this ODOT's intent?2.Under the bid item note for Catch Basin Reconstruct to Grade on sheet 11, we are required to remove existing catch basin walls below any window openings. What is meant by "window openings"? Is it ODOT's intent to replace the walls to the bottom of the existing pipes?

Question Submitted: 11/25/2008

Question Number: 13

Please clarify the note on plan pages 10 & 11 regarding Item 451, Reinforced Concrete Pavement, Breaking and Seating Existing Reinforced Concrete Pavement. The equipment as it is described will result in a Rubblization (ODOT Standard Spec item 320) of the concrete pavement and not a longitudinal breaking of the pavement. Broken pavement sizing will be significantly smaller than is specified in the note. Please clarify if the intention is to break and seat or to rubblize the pavement.

**The Multiple-Head breaker as specified is proven capable of providing breaking patterns and particle sizes required for a Break and Seat project. The intent is to have particle sizes in the range of 12" to 18".**

Question Submitted: 11/26/2008

Question Number: 14

Under Plan note 14.0 Method of Measurement on plan sheet 172/222 it states that "The Department will measure preparation of transverse construction joints and longitudinal keyways by the number of lineal feet of joints and keyways." There are not bid items for these items. Should they be made incidental to the surface prep or should bid items be added?

**There are no transverse joints or longitudinal keyways on this bridge. therefore there was no pay item set up. The note that we put in the plans is a draft spec. that includes many items which may or may not all be used on every project.**

Question Submitted: 11/26/2008

Question Number: 15

Would ODOT consider lowering the Work Type Percentage Performed by Prime to 40% to allow for more bidders on this project ?

**The Department respectfully declines to change the work type percentage.**

Question Submitted: 11/26/2008

Question Number: 16

On sheet 15 under Phase 1/Part 1 it says that the "MOT zones shall be erected as per the attached details and referenced standard drawings." The MOT plans show the drums spaced at 20' and 40' throughout the job. Can the zone be set up per MT-95.30 to reduce the number of barrels required?

**Standard Drawing MT-95.30 is being used but there are locations, as shown in the plans, where barrel spacing differs from that of the standard drawing. Bid item as shown in the plans.**

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## Ohio Department of Transportation Prebid Questions

Question Submitted: 11/26/2008

Question Number: 17

Regarding the Spray Applied Membrane System (SAMS) specified for 3 of the bridges, there is a note in the bridge plans for ATH-682-0004, ATH-682-0014, and ATH-33-1713 stating that the primer, membrane, and tack coat are to be supplied from a single manufacturer. Tack coat (meeting 702.13 per notes) is a completely different type of material from the primer and membrane, and would not be available from the same producer. Please revise this requirement. Furthermore, there are no pay items to cover tack coat. Please add bid items to account for this requirement.

Question Submitted: 11/26/2008

Question Number: 18

It appears that Cofferdams Cribs and Sheeting bid items 104,112,121,130,140,174,188,239,250,261,269 are not required for any of the bridge work. Please delete them in an addendum.

**Depending on how the contractor wishes to do the work they may or may not be needed. Some will be needed for sure. Therefore we will leave it in.**

Question Submitted: 11/26/2008

Question Number: 19

There are no plan details for Sawing and Sealing Concrete Joint bid items 177, 191,206,226. Please provide in an addendum.

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