

Ohio Department of Transportation

Prebid Questions

Project No. 070240

Sale Date - 5/16/2007

Question Submitted: 4/17/2007

Question Number: 1

Please consider adding alternate bid items for Ref 16 & 17 for this project, to allow 646 Epoxy to be included and give the State a chance to save considerable dollars.

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Ohio Department of Transportation

Prebid Questions

Project No. 060507

Sale Date - 12/21/2006

Question Submitted: 11/20/2006

Question Number: 1

The full depth pavement removal and rigid replacement shown on page 7, has a calculation based on 12' lengths, and the note states 6' lengths. It also appears the sawing was calculated on 6' lengths, which does not match the calculation for the removal. Please clarify.

Question Submitted: 11/27/2006

Question Number: 2

In addendum No. 1 you addressed the full depth sawing and stated that there is 3 types of pavement repair. How many full depth slab replacement (27') and how many full depth joint repair (6'). If they all where 27ft long x 12ft wide there would be appx 185 patches based on plan qty of 6,642sy. Therefore your full depth sawing $(12+12+27+27)*185=14,430$ lf not 9,348 ft. If you add in some 6ft long patches that makes it worst.

Also is the 6,642 sy of Full Depth Remove and replace correct. Seem extremely high?

All of the pavement repair areas are not 27' in length. Some are 27' and some are 6' as stated in addendum 1. The areas of removal and replacment will be determined and marked by the project Engineer. The full depth removal and replacement and the full depth sawing is correct.

Question Submitted: 11/28/2006

Question Number: 3

Q1) 255 FULL DEPTH PVMT REM & REPLC - PAVEMENT REHAB CALCS ON PAGE 7 OF 28. PLEASE EXPLAIN HOW $(12')(27')(1/9)(82 \text{ LOCATIONS}) = 6,642 \text{ SY}$. PROPOSED PLANS AND ADDENDUM NO. 1 NOTES DO NOT CLARIFY THE QUANTITY ISSUE. THE DEPARTMENT NEEDS TO CLARIFY HOW THE QUANTITIES WERE DERIVED SO THAT ALL CONTRACTORS CAN BID ON THE SAME SCOPE. IF BIS AS IS, CONTRACTORS WILL BE GUESSING ON THE INTENT OF THESE DOCUMENTS. I DON'T SEE HOW THAT BENIFITS EITHER PARTY. PLEASE REVIEW.

Q2) 255 FULL DEPTH PAVEMENT SAWING - BID QUANTITY WAS CHANGED TO 9,348 LF. EVEN IF ALL REPAIR LOCATION WERE 27' LONG, THE SAWING QUANTITY WOULD BE APPROX 60% MORE THAN THE BID QUANTITY SETUP. EVEN IF ALL 27' REPAIR LOCATION WERE ADJACENT (TRAVEL LANE/PASSING LANE) TO EACH OTHER, THE SAWING QUANTITY WOULD BE APPROX 30% MORE THAN THE BID QUANTITY. PLEASE REVIEW THE QUANTITIES THAT ARE TYPICALLY PAID UNDER LINEAR FOOTAGE ITEM. WE ALWAYS HAVE QUANTITIES THAT ARE INCIDENTAL TO THE REMOVAL, BUT IT LOOKS LIKE THE BID ITEM FOR SAWING IS MISSING SOME PAY QUANTITY. PLEASE REVIEW.

Question Submitted: 11/28/2006

Question Number: 4

Q1) ADD #1 ADDED AN ITEM FOR STR GRE-844-0193L FOR SUBGRADE CORRECTIVE WORK USING HIGH DENSITY POLYURETHANE. THIS STRUCTURE ALREADY HAD AN ITEM FOR SUBGRADE CORRECTIVE WORK UTILIZING A PORTLAND CEMENT SLURRY. THE ORIGINAL BID ITEM WAS NOT DELETED. IS IT THE INTENT TO HAVE BOTH REPAIR TYPES ON THE SAME STRUCTURE? WHICH ONE WILL BE USED? WOULD THE STATE CONSIDER CHANGING ALL THE PORTLAND CEMENT GRADE CORRECTIVE ITEMS TO THE HIGH DENSITY POLYURETHANE? THE HDP REDUCES THE CURE TIME REQUIRED TO ALLOW TRAFFIC.

Question Submitted: 11/28/2006

Question Number: 5

Addendum No. 1 added bid item 0100-special -Structure,Misc: Correcting elevation of concrete approach slabs with high density polyurethane. This item is for structure 0193L. Reference no.0067 Special - correcting elevation of concrete approach slab and pavement, is already included for structure 0193L. Are both of these bid items required for structure 0193L?

Question Submitted: 11/29/2006

Question Number: 6

1. The line items for HDP requests a SY bid for all bridges except Bridge 193L, which requests a LB bid. Do you want bids in both SY and LB forms? (LB is the most accepted bid increment for HPD.)

2. Please clarify: "Supply a HDP meeting the properties specified below as verified by certified data from an independent testing laboratory."

HDP manufacturers certify that the HDP meet the specifications listed. Are "manufacturers" considered "an independent testing laboratory?"

Question Submitted: 11/29/2006

Question Number: 7

On the note on page 12 of 28, it calls for the installation of a stainless steel closer plate. Normally these are only used on railing installed on top of a parapet.

This project has railing at the bottom for removal and re-erect, please advise where or if this is to be used.

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Ohio Department of Transportation Prebid Questions

Question Submitted: 11/8/2006

Question Number: 8

Could you provide more detail on the diamond grinding limits? On sheet 7 of the plans the calculations show 117,008 SY and the table shows 84480 SY. Will the long ramps along the project be ground?

Question Submitted: 11/8/2006

Question Number: 9

What is the pavement thickness for the full depth replacement and the dowel bar retrofit?

Question Submitted: 11/8/2006

Question Number: 10

Page 2 of the plans shows the width of the concrete pavement section as 96'. I believe this should be 48 feet and if so that would decrease the quantity of diamond grinding by 1/2. Is that correct?

Question Submitted: 12/11/2006

Question Number: 11

Under Addendum one you ask for a change to High Density Polyurethane Grout (for Correcting elevation of concrete approach slabs) on one bridge approach.

Under the description of installation you ask for the pumping units to be capable of injecting the HDP BETWEEN THE SLAB, SUB-BASE, SUB-GRADE AND LOWER SOIL STRATA. This description could conflict with a patent if we bid this under the current description. If all you are looking for is to lift or correct the elevation of the slabs then all you would need is the description to read lift slabs. We certainly do not wish to be involved with a lawsuit over this.

Also, under items 813E10000 correcting elevation of concrete approach slabs the bid item is for Square Yard. Do you have an estimated quantity of cubic feet? or cubic yards of void space. We have no way of knowing how much void space to estimate.

Please let me know your thoughts.

Thank You.

Randall L. Brooks

Question Submitted: 12/8/2006

Question Number: 12

Please verify the HDP specifications required.

The Nov. 22 addendum No. 1 specifies required values of high density polyurethane (HDP) that cannot be met by any manufacturer or certified by any independent lab.

1. The listed Dimensional Stability requirements to be tested by ASTM D2126 (+0.01% change, +0.2% change, -0.35% change and -0.20% change) and the Water Absorption requirements (less than 0.12%) reflect a solid polyurethane not a foam.

2. Polyurethane placed and cured under total water immersion cannot meet the same required values as that cured under standard testing procedures.

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