

# Ohio Department of Transportation

## Prebid Questions

Project No. 080120

Sale Date - 2/13/2008

Question Submitted: 2/4/2008

Question Number: 1

On page 14A of the plans, General Notes: Unsuitable Materials, Conduits Type B & Type C greater than 5 feet deep require work described. Is the work described required for the entire length of conduit between structures regardless of depth if any portion of the conduit is deeper than 5 feet deep or only for portions of conduit that are deeper than 5 feet?

**The required work for the Conduits B & C is only for the portion of the conduit that is deeper than 5 feet.**

Question Submitted: 2/4/2008

Question Number: 2

On page 14A of the plans, General Notes: Unsuitable Materials, the notes require work to be performed on Type B & Type C Conduit greater than 5 feet deep. How is this depth determined? (i.e. from proposed finish/existing grade to top of conduit/invert of conduit?

**The depth is from the existing ground/roadway to the proposed invert of conduit.**

Question Submitted: 2/4/2008

Question Number: 3

Will the Department make available the Office Calcs as referenced on sheet 43 of the plans?

Question Submitted: 2/4/2008

Question Number: 4

Pavement repair for pipe trench quantities as provided on sheet 190 do not take into account the proposal note on sheet 14A. For example, pavement repair quantities for pipe run 3-D are calculated with an area of 8.9 feet by 70 feet. The normal trench width for this pipe, assuming it is plastic, at top of pipe would be 4.75 feet. The repair trench, given the necessary two feet on each side on undisturbed soil, would then be 8.75 feet. However, the invert depth of this 36-inch type b pipe is over 8 feet. Therefore the trench must be undercut to place the granular mattress per plan note on sheet 14. So the trench width must be cut an additional four feet wide at top of no. 2 aggregate, which would make the width 8.75 feet there. The trench must also be benched at a 1.5 to 1 slope, which causes the trench repair to be 47.25 feet at the surface. How will the department pay for trench repair, required by the project as per plan notes, which are not included in the resurfacing quantities provided on sheet 190?

**The trench repair pay items on sheet 190 are estimates only. Actual quantities will be dictated by field conditions and adjusted by the project engineer.**

Question Submitted: 2/4/2008

Question Number: 5

The proposed inlet no. 3 for single slope barrier, type D located at STA 90+06, 17.08' left 6-D appears to be in conflict with the existing bridge column foundation shown on plan sheet 5 in the typical section for the full depth replacement section w/barrier. Please advise.

Question Submitted: 2/4/2008

Question Number: 6

Upon inspection of the pavement calculations provided on the web, sheets 13 and 14 show that there has been a 20% contingency added into the bid quantity for item 204 granular material, app. Where does the department intend to use this material? How will the department pay for the corresponding excavation work for this contingency quantity?

Question Submitted: 2/4/2008

Question Number: 7

In the unsuitable materials specification it calls for all new headwalls and storm sewers greater than five feet deep to be excavated three more feet below the normal conduit bedding. Where is the five feet to, the top of pipe, axis of pipe or invert of pipe? It does not specify. Thanks

**The depth is from the existing ground/roadway to the proposed invert of conduit.**

Question Submitted: 2/4/2008

Question Number: 8

On page 16 under Sequence of Construction, Phase 3, the plan states that "where open cut, partial width construction is required, work will be completed during weekend daylight hours on short (<400 feet) sections of the project." Does this mean that work can only be performed in a single 400 ft. section, or can more than one 400 ft. section be active at one time?

**yes. The work can only be performed in a single 400' section.**

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.

## Ohio Department of Transportation Prebid Questions

Question Submitted: 2/4/2008

Question Number: 9

2979 SR-59 Cultural Resource Property Avoidance note states a quantity of temporary construction fence is to be installed. What type of fence will be required? How will the contractor get paid for this item? In areas where the concrete incased telephone conduit is to be incorporated into the sub-grade at the stations listed in Addendum #1, how is the contractor to perform proof-rolling and sub-grade compaction items in these areas? The existing conduit is in the middle of the excavation trench. Does not leave enough room for equipment to perform these items without damaging the conduit. The UNSUITABLE MATERIALS note on sheet 14A/282 is very unclear. 1. This note specifically applies to 603 items. Isn't there the same concern for item 604 structures? 2. How will the depth of conduit be measured? Invert of the low end, invert of the high end, bottom of trench construction per standard drawing DM-1.4? Will this trench treatment apply to full runs of conduit structure to structure, or will it only apply to portions deeper than five feet? 3. In regards to the temporary trench excavation at 1.5:1 slope as shown in detail on sheet 14A/282, Can excavated materials be used to backfill this area? If not, what type of material will be required? 4. A minimum of twelve inches of No. 2 aggregate will be placed unless determined otherwise by the ODOT geo-technical engineer. How will payment be made for additional depth as directed by this geo-technical engineer? If separate payment will not be provided for this material, please provide a maximum depth to be included in payment for 603 items. 5. A granular mattress of ODOT 304 a minimum of three feet in depth will be placed unless determined otherwise by the ODOT geo-technical engineer. How will payment be made for additional depth, greater than three feet, if directed by this geo-technical engineer? If separate payment will not be provided for this material, please provide a maximum depth to be included in payment for 603 items. 6. The detail for this plan note shows pipe whose flow line is at the existing ground level. The five-foot depth requirement does appear to be applicable. Please clarify.

Question Submitted: 2/4/2008

Question Number: 10

Will ODOT make available the office calculations as referred to on plan page 43?

<http://www.dot.state.oh.us/contract/ftp/attach/POR-25837/>

Question Submitted: 2/4/2008

Question Number: 11

The project note involving unsuitable materials on page 14A of 282, states that the ODOT Geotechnical Engineer will evaluate the exposed subgrade prior to placement of the No 2 aggregate, and will determine the actual amount of No 2 aggregate used. Also this note states that the contractor will excavate 3 feet below the normal conduit bedding and fill this excavation with 3 feet of ODOT 304, this excavation doesn't take any of the No 2 aggregate excavation into account. With this in mind, should there be a bid item setup for undercutting and installing No 2 aggregate as directed by the engineer.

**On Sheet No. 14A, the last paragraph for Unsuitable Materials note is clear that all cost of material, equipment and materials to perform this work should be included in the cost of the conduit. The "undercutting and installing No 2 aggregate" is included in the cost of the conduit.**

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