

Ohio Department of Transportation

Prebid Questions

Project No. 080549

Sale Date - 10/8/2008

Question Submitted: 11/10/2008

Question Number: 1

There are several items for steel hand railing using 1/4" & 3/16". The drawings refer you to the 517 spec section and that in turn refers you to the DWTT. Is this required for this type of tubing? Thanks

Question Submitted: 11/7/2008

Question Number: 2

The item 516 - refurbish bearing as per plan note on sheet 137 of 194 states it includes the installation of a new steel fill plate as shown on sheet 23 of 61. Are the new plates included with the weight of the structural steel bid item or are these plates to be included with the refurbish bearing bid item?

The Item 513 - Structural Steel Members, Level 4 quantity includes the weight of the fill plates at the Pier 2 bearing locations. The installation of these fill plates is included by the General Note reference with Item 516 - Refurbish Bearing Devices, As Per Plan.

Question Submitted: 11/7/2008

Question Number: 3

The field office bid item is set up for 10 months, with a completion date of June 2010 this quantity needs to be increased to at least 18 months.

Question Submitted: 11/7/2008

Question Number: 4

It appears from plan sheet 18 of 194 that there is going to be an additional longitudinal joint in the pavement that is not shown on the typical section shown of page 4 of 194. Please revise the typical section to show this additional joint along with joint type.

Question Submitted: 11/7/2008

Question Number: 5

The office calcs for this project that are now posted online do not include the calculations for structure MAH-62-1969. Can those calcs be posted as well?

<ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/MAH-25064/>

Question Submitted: 11/7/2008

Question Number: 6

Are SIP metal forms allowed to be used on the decks?

No

Question Submitted: 11/7/2008

Question Number: 7

Please post the pavement calculations.

<ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/MAH-25064/>

Question Submitted: 11/7/2008

Question Number: 8

Will the Department provide a construction joint placement plan, sequence and required fishing procedures for the deck placement on structure MAH-62-1969? Due to the phase lines and intersecting Ramps, deck concrete placement by conventional methods does not appear to be attainable.

Concerning construction joint locations, see sheets 6/61 and 7/61. Concerning deck finishing procedures, standard ODOT procedures apply. Concerning deck placement sequence, the first sentence of BDM 302.2.7 dated July 2006 (as in effect when this plan was filed) recommends leaving this to the contractor.

Question Submitted: 11/7/2008

Question Number: 9

Structures MAH-62-1969 (5005345) and MAH-62-1982 (5005310) are scheduled to be reconstructed under PID 25064 (Proj. 549-08). This project will be bid on 9/24/08. Can you please post these plans onto the website?

<ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/MAH-25064/>

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Question Submitted: 11/7/2008

Question Number: 10

Please reference the Lighting section of the plans for all the following questions. Question 1) Light pole foundation removed at Sta. 122+18 CL and 125+40 CL have new foundations being installed at the same location, should these removals be full depth and if so the item should be APP. Question 2) The light poles being installed on structure MAH-62-1969 at STA. 127+50 lt, 199+37 lt, 119+28 rt, and 130+50 rt, are mounted on the structure wall. Please add line items for Anchor Bolts and Structure Junction Box. Question 3) The 38' of 725.04 3" conduit that runs from PB-EM4 to PB-EM5 crosses Ramp G, likewise the 37' of 725.04 3" conduit that runs from PB-AN4 to PB-AN5 crosses Ramp H should these two locations be conduit jacked or bored? Question 4) Is there a need for structure grounding at both MAH-62-1981 and 1960? Question 5) The 54' of 3" 725.04 conduit running between light pole 1EM-1 and PB-EM3 crosses the road, should this be conduit jacked or bored? please add line item. Question 6) On all the light poles being removed and reerected is the old pole and bracket cable to be reused? Question 7) The conduit running from VA1 to VA2 would seem to be at grade because of the Trench item. It also appears to cross the Norfolk Southern RR, should there be a conduit jacked item? should there be a sleeve or casing? and is the standard 24" depth acceptable? Question 8) The item for Remove and Reerect Luminaire applies to 6 underpass lights, is the conduit, junction boxes and cable for the U/P Lights to be incidental? Should this item be APP, what ever happened to the HL standard for U/P lighting? Question 9) The #4 distribution cable in 109' of 3" conduit from CC EM to PB-EM1 should increase from 238 feet as shown on sheet 92 to 476 feet in makes up circuit EM1 (two conductors) and EM2 (two conductors). Question 10) The conduit and trench shown on sheet 92 as 84 feet from PB-EM1 to PB-EM2 should be 249 feet as calc. by the stations. Question 11) Plan page 89 describes grounding and bonding. IS the contractor to install a ground wire as part of only the new installation? Should there be a ground wire installed in existing conduit for example between CC-AN and Existing PB-AN10. and is grounding required in the existing undisturbed circuits? Should a separate ground wire be installed in cable-in-duct where the neutral wire is a grounded neutral?

Question 1) On sheet 88/194 a note titled "202, LIGHT POLE FOUNDATION REMOVED" is provided to cover the removal of foundations. In that note the contractor is instructed to remove the foundation to a minimum depth of 1' below ground or to remove it completely. This should cover the removal of the two foundations in question to the full depth. This note has been provided per TEM 1142-8 (Rev. July 21, 2006) and is not an As Per Plan item. Question 2) ITEM 625 LIGHT POLE ANCHOR BOLTS, MISC.: SET FOR PILASTER MOUNTED LIGHT POLE and ITEM 625 STRUCTURE JUNCTION BOX, have been carried with the structure quantities on Sheet 138/194. This is to assure that that the structural general contractor is aware of the presence of the fixtures in his plan and they are accounted for in the construction of the structure. A general note for ITEM 625 LIGHT POLE ANCHOR BOLTS, MISC.: SET FOR PILASTER MOUNTED LIGHT POLE is provided on sheet 137/194. Question 3) The design assumption is that the placement of these runs of conduit would be performed during construction of the ramps when traffic is detoured from the construction area. This would eliminate the additional cost for jacking and boring. Question 4) Both structures require structure grounding. A quantity for ITEM 625 STRUCTURE GROUNDING SYSTEM has been provided on sheet 102/194 for MAH-62-1981 and on sheet 138/194 for MAH-62-1981. This is to assure that that the structural general contractor is aware of the presence of the fixtures in his plan and they are accounted for in the construction of the structure. Question 5) The design assumption is that the placement of this run of conduit would be performed in conjunction with the phasing of construction of the mainline pavement. This would eliminate the additional cost for jacking and boring.

Question 6) The Pole and Bracket Cable will be reused per D4 Stage 3 Comment No. 49a. The removal of the existing connector kits are carried with ITEM 625, CONNECTOR KIT, BY TYPE, AS PER PLAN, and the corresponding note for these items is carried on Sheet 88/194. Question 7) Sheet 92/194 does not refer to ITEM 625 TRENCH, 24" DEPTH for the length from 129+82 (VA-1) to 129+21 (VA-2). This run is conduit attached to the structure. The only length of Trenching on the CIRCUIT VA is from the base of the pier drop for the conduit from VA-2 to the Ex. PB-VA1. This length is not within the Railroad Easement. Question 8) For CIRCUIT 2AN, Sheet 91/194 provides quantities for the replacement of the existing Connector Kits, Cable Splicing Kits, Distribution Cable, and Conduit necessary for the reerection of the existing units. A separate ITEM 625 PULL BOX CLEANED is provided for the existing pull box that will remain. For CIRCUIT VA, sheet 92/194 provides quantities for the replacement of the existing Connector Kits, Cable Splicing Kits, Distribution Cable, and Conduit necessary for the reerection of the existing units. A separate ITEM 625 PULL BOX CLEANED is provided for the existing pull box that will remain. A General Note "625, REMOVAL OF LUMINAIRE AND REERECTION" is provided on Sheet 88/194. This note addresses the mounting of the units and includes the use of the existing mounting brackets on the Andrews Ave. Bridge (CIRCUIT 2AN) and any drop pipe accessories as necessary for the Valley St. Bridge (CIRCUIT VA). We do not have HL standard drawings for UP lighting. Question 9) The 238' on Sheet 92/194 is correct for CIRCUIT 1EM. An additional length of 238' is included under CIRCUIT 2EM with the length from 122+35 (PB-EM1) to 4912 (CC EM). Question 10) The length from PB-EM1 to PB-EM2 of conduit is carried through the backwall of the structure. This is true for length of conduit on CIRCUIT 1AN from PB-AN1 to PB-AN2, PB-AN3 to 1AN-1, and 1AN-2 to PB-AN4, and on CIRCUIT 1EM from PB-EM3A to 1EM-3 and 1EM-4 to PB-EM3B. All conduits carrying the lighting circuits through a structure are carried with the appropriate structure either on Sheet No. 102/194 or 138/194 under ITEM 625 CONDUIT, 2", 725.04. This is to assure that that the structural general contractor is aware of the presence of the fixtures in his plan and they are accounted for in the construction of the structure. Question 11) (YES) (NO) (NO) (NO)

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Question Submitted: 11/7/2008

Question Number: 11

Sheet 167/194 What are the dimensions for existing girders on bridge MAH-62-1969. Flange and web plates, width and depth? Are connection plates being replaced for intermediate diaphragms on bridge MAH-62-1969? If not won't changing angle size from 3 x 3 to 3 1/2 x 3 1/2 interfere with existing hole locations?

The holes in the existing intermediate stiffeners are only for erection bolts, both for the original erection and for our current rehab design. The connections of the new crossframe angles to the existing intermediate stiffeners are to then be welded. See the reference to Type 3 Crossframes of Standard Drawing GSD-1-96. We do not see a problem with the placement of the existing intermediate stiffener holes. The standard gage dimension to center of holes is only 1/4" difference between 3" and 3 1/2" angle legs. Even if this is still an issue, the fabricator can simply revise the gage dimension in the new angles as necessary since these holes are only for erection bolts. The existing plans will be posted on the local ftp site shortly

Question Submitted: 11/7/2008

Question Number: 12

Please make available the existing structure drawings for these bridges.

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