

# Ohio Department of Transportation - Prebid Questions

Project No. 153007

Sale Date - 1/29/2015

ASD-97540 - TR 383 / CR 31 (PART 1 AND PART 2)

*Question Submitted:* 1/27/2015 11:38:13 AM

In a prior question the Department answered that sub soils will need to be modified per GB1. The soil boring on TR383 shows A-4b soils which will require undercutting. The quantity is unknown until proof rolling (if the entire paved area is under cut this quantity could exceed 500 CY). Would the Department consider adding a unit price line item for undercutting since the quantity could vary significantly?

**No, all items shall remain as lump sums.**

*Question Submitted:* 1/21/2015 7:53:36 AM

Will a reference # be added for the bond?

**Yes. An Addendum will be posted.**

*Question Submitted:* 1/20/2015 6:57:40 AM

The preliminary foundation investigations encountered subgrade soils that require modification per ODOT GB1. Will these requirements have to be met for this project?

**Yes, ODOT CMS will have to be met.**

*Question Submitted:* 1/19/2015 11:12:51 AM

1. Are approach slabs required if the 3-sided flat-topped culvert option is chosen for structure RIC-T0383-0105? Are spread footings permitted per L&D Volume 2 1008.9 if the 3-sided flat-topped culvert option is chosen for structure RIC-T0383-0105?

**1. Approach slabs are not required with 3-sided culverts. Spread footings must be keyed into solid rock and not be susceptible to scour for use as foundations for 3-sided culverts.**

*Question Submitted:* 1/16/2015 4:43:30 PM

Will the approach slabs for this project be required to meet the new SCD AS-1-15 and AS-2-15 just posted on the DRRC?

**The approach slabs will not be required to meet the just posted SCD upgrades.**

*Question Submitted:* 1/13/2015 11:18:08 AM

Is the area near 7+50 to 8+00 RT at the RIC-CR31 structure a drive and does access need to be maintained?

**The area is not an access drive and does not need to be maintained.**

*Question Submitted:* 1/6/2015 12:21:43 PM

Should the pavement buildup provided in Section 14.3 of the Scope still be used for this project even though Item 448 is not a current asphalt specification? If a pre-stressed box beam alternative is selected at TR 383, can the same roadway pavement be used for the asphalt wearing surface even though it may not match the requirements of Section 302.1.3 of the BDM?

**The current asphalt specification Item 441 should be used in lieu of Item 448. BDM requirements should be used.**

*Question Submitted:* 1/6/2015 10:32:14 AM

Can the HEC-RAS files be made available if revised hydraulic design is necessary?

**If a revised hydraulic analysis is determined to be needed the HEC-RAS files can be made available at that time.**

*Question Submitted:* 1/6/2015 8:29:11 AM

For the RIC-C0031-0425 structure, the scope says to use capped pile piers per CPP-1-08 and semi-integral abutments. Capped pile piers are normally integral to the superstructure and fixed at the piers, but semi-integral abutments and piers float with elastomeric bearings. Should bearings be used at the piers or not?

**Piers shall not have bearings, and be per CPP-1-08. The DBT shall propose a bridge type and components meeting design standards.**

*Question Submitted:* 1/6/2015 8:16:35 AM

Section 14.10 of the Scope of Services states slopes can be steeper than 2:1 if reinforced per SS863 but no steeper than 1:1. Standard Drawing MGS-1.1 shows a maximum of 2:1 slopes for guardrail installations. Will the slope requirement on the SCD be waived? If so, how should the posts be modified to meet crash test requirements for the increased slopes?

**The SCD slope requirement can be waived, and if so 9 feet posts must be used.**

\*\*\* DISCLAIMER - Prebid questions and answers provided are for informational purposes only and are not part of the Bid Documents. If a question warrants a clarification, the Department will issue an addendum addressing the request.

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*Question Submitted:* 12/30/2014 11:54:01 AM

RIC-0031-0425: 1) The scope says to use SCD CS-1-08 and CPP-1-08, however these standard drawings prohibit skews greater than 30 degrees. Since a skew of 47 degrees is shown on the plans, has this requirement been waived? If this requirement is waived, does the reinforcing steel shown in the tables on the standard drawings have to be adjusted to accommodate the skew? 2) The scope says to use semi-integral abutments, however, the BDM prohibits their use on curved alignments. Is this requirement waived? 3) The existing plans provided do not match the existing structure (most current plans show a 3-span steel beam bridge). Is there any additional information available regarding the existing structure? 4) The preliminary plans provided show the existing centerline of right of way is a 14 degree curve. The existing from 1964 and 1965 show the centerline of right of way as a 18 degree 30 minute and 18 degree curve. Which is correct for the centerline of existing right of way? 5) Would the District accept a horizontal curve sharper than 9 degree 30 minute? 6) The soils report does not provide the D50 grain size for scour. Is this available? Will scour calculations be required? 7) Two borings have been provided with recommendations for abutment foundations, but no recommendations for pier foundations. Will these recommendations be acceptable for pier design? 8) IC-T0383-0105: 1) Boring logs were provided but no foundation recommendations. Are any foundation recommendations available? 2) Standard drawing PSBD-1-93 is referenced in PN 527, however, this drawing has been retired. Should PSBD-2-2007 be used instead?

**RIC-31: 1) The 30 degree requirement is waived, and the SCD is for reference. The reinforcing steel must be designed for this arrangement. 2) The requirement is waived. It may also be possible to use CPA's with straight wingwalls. 3) These were the only plans made available from the County Engineer's office. 4) The County Engineer provided the survey and the 14 degree curve was based on field monuments and existing alignment. It is up to the DBT to accept and certify, or redefine the survey. 5) No, unless the DBT determines that major issues arise with this curve. 6) The D50 grain size is not available. Per the scope, collection of additional soils information is the responsibility of the DBT. Any scour calculations required shall be per L&D Volume 2. 7) The geotech information provided is for information only. It is up to the DBT to determine design criteria. 8) IC-383 1) The geotech information provided is for information only. It is up to the DBT to determine design criteria. 2) PSBD-2-2007 should be used.**

*Question Submitted:* 12/30/2014 7:21:48 AM

Please make available the CAD files of the preliminary engineering Survey and Site Plan.

**<ftp://ftp.dot.state.oh.us/pub/Districts/D03/97540/AsFiled/97540CADD>**

*Question Submitted:* 12/23/2014 1:33:54 PM

For Bridge No. RIC-T0383-0105, Section 15.4 of the Scope of Services states: "The Consultant shall use the same span lengths shown on the existing original plans for the design, and preparation of the detail construction plans for the construction of this structure. The number of spans must also remain the same." Per the Scope and the existing plans, the existing span is 20'. The Preliminary Plan shows a proposed structure that is significantly longer than the existing bridge. Will a single span structure that is longer than the existing bridge be acceptable?

**A longer than existing span for the proposed structure is acceptable.**

*Question Submitted:* 12/23/2014 1:32:00 PM

For Bridge No. RIC-C0031-0425, Section 15.4 of the Scope of Services states: "The Consultant shall use the same span lengths shown on the existing original plans for the design, and preparation of the detail construction plans for the construction of this structure. The number of spans must also remain the same. A two span structure shall not be acceptable." Per the Scope, the existing spans are 35' – 40' – 35'. The Preliminary Plan shows a proposed structure that is slightly longer than the existing bridge. If the existing span lengths are matched, there may be conflicts between existing and proposed piles for abutments and piers. In addition, the Scope states that the new bridge is to be a continuous reinforced concrete slab per Standard Drawing CS-1-08. There is no span arrangement listed on the standard drawing that matches the existing span arrangement. Will a three-span structure that is slightly longer than the existing bridge be acceptable?

**A continuous concrete slab superstructure was scoped. A slightly longer proposed bridge is acceptable.**

*Question Submitted:* 12/23/2014 1:28:15 PM

The RFP states that the existing plans are included in Attachment B. Attachment B is "Preliminary Plan". Attachment D is "Existing Plans and Photos". Existing plans are not included in Attachment D for Bridge No. RIC-C0031-0425, the existing three-span box beam bridge. Can these plans please be provided?

**Plans are available at: [ftp://ftp.dot.state.oh.us/pub/Districts/D03/97540/Bellville\\_Johnsville\\_Ex.\\_Plans](ftp://ftp.dot.state.oh.us/pub/Districts/D03/97540/Bellville_Johnsville_Ex._Plans)**

*Question Submitted:* 12/22/2014 1:58:47 PM

Can any existing or preliminary CAD files be made available for our designer's use?

**<ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/RIC-97540/>**

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*Question Submitted:* 12/10/2014 3:57:17 PM

Can the existing project CAD files be made available?

**Preliminary plans, survey, and related information can be found at:**<ftp://ftp.dot.state.oh.us/pub/Districts/D03/97540/AsFiled/97540CADD>

*Question Submitted:* 12/10/2014 3:03:42 PM

Can the CAD files (DGN) used to create preliminary plans be made available to the DBT?

**Preliminary plans, survey and related information can be found at:**<ftp://ftp.dot.state.oh.us/pub/Districts/D03/97540/AsFiled/97540CADD>

*Question Submitted:* 12/10/2014 12:51:28 PM

I see this project call for a bridge replacement, can you please type what type of structure is proposed; steel, concrete or timber? Thank you-

**This is a Design/Build project; therefore, the proposed structure type shall be proposed by the Contractor and their Designer.**