

DESIGN-BUILD FINAL Q/R

TENNESSEE DEPARTMENT OF TRANSPORTATION

US-64 (SR 40) over Ocoee River Bridge

Polk County- TENNESSEE

**TO BE ATTACHED WITH COVER SHEET IN TECHNICAL
PROPOSAL**

**(Where conflict arises, the responses provided in this form
supersede the original Contract Book 1, 2, 3, and any
Addendum issued prior to the date an individual Q/R response
is posted. Addenda issued after a posted Q/R response supersede
any prior Q/R response.)**

CONTRACT NUMBER: DB1802



October 4, 2019

RFP QUESTION REQUEST FORM QR

PROJECT: US-64 (SR-40) over Ocoee River Bridge, Polk County

DB CONTRACT No.: DB1802

DATE: 05/06/2019

Question #	RFP Book No. and Section ID	Question	Reserved for Agency Response
1-1	Reference Material link	The webpage link does not work for the "TVA Ocoee Dam #1 Water Elevation and Flow Data 2003-2018.pdf". Please repair this link.	The link has been corrected.
1-2	Reference Material	Please provided the survey control data and level loops so the DB may verify existing elevations.	Additional survey files have been placed in the Reference Material on the project website, and their addition will be included in a future amendment. These files are provided for informational purposes only. As stated in Contract Book 3 Section 1.3, the successful Design Builder shall verify existing survey and provide all update surveys.
1-3	Reference Material	Please repost the HEC RAS DATA as a SINGLE ZIP file or make the data available for pickup. The currently HEC RAS data as posted will not completely download.	The link has been corrected.

RFP QUESTION REQUEST FORM QR

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1-4	DB1802 Website (Under Alternative Contracting)	<p>There are numerous web links that do not direct us to the referenced information. Those include:</p> <ul style="list-style-type: none"> a. Construction\Design_Build\DB SR 40\Reference Material (LAST FILE LINK DOES NOT WORK) b. Construction\Design_Build\DB SR 40\Reference Material\Bridge (updated 03.25.19)\RAS 03.21.19\Features (ALL FOUR FILE LINKS NOT WORKING) c. Construction\Design_Build\DB SR 40\Reference Material\Bridge (updated 03.25.19)\RAS 03.21.19\LiDAR\47139C_20090518 (THE ONLY FILE THAT HAS A WORKING LINK IS THE FIRST ONE....ALL OTHERS NOT WORKING) d. Construction\Design_Build\DB SR 40\Reference Material\Bridge (updated 03.25.19)\RAS 03.21.19\RAS Stuff\Phase-1 Tiles (NO FILE LINK WORKS WITH THE EXCEPTION OF THE LAST FILE) e. Construction\Design_Build\DB SR 40\Reference Material\Bridge (updated 03.25.19)\RAS 03.21.19\RAS Stuff\Phase-2 Tiles (NO FILE LINKS OPERATIONAL, WITH THE EXCEPTION OF THE ONE LABELED Phase-2 Tile_Index.zip) f. Construction\Design_Build\DB SR 40\Reference Material\Bridge (updated 03.25.19)\RAS 03.21.19\RAS Stuff (NO FILE LINKS OPERATIONAL) g. Construction\Design_Build\DB SR 40\Reference Material\Bridge (updated 03.25.19)\RAS 03.21.19\RASMAPPER (THE _____,vrt FILES HAVE LINKS THAT DO NOT WORK) h. Construction\Design_Build\DB SR 40\Reference Material\Bridge (updated 03.25.19)\RAS 03.21.19\raster (NO FILE LINKS OPERATIONAL) i. Construction\Design_Build\DB SR 40\Reference Material\Bridge (updated 03.25.19)\RAS 03.21.19\TVA HEC2 (NO FILE LINKS OPERATIONAL) f. Construction\Design_Build\DB SR 40\Reference Material\Bridge (updated 03.25.19)\RAS 03.21.19 (ONLY FILES WITH .hdf EXTENSIONS) 	The links have been corrected.

RFP QUESTION REQUEST FORM QR

Question #	RFP Book No. and Section ID	Question	Reserved for Agency Response
1-5	6 allowable ATC's - RFP Contract Book 1 (pg. 12) Section 2.b Aesthetic ATC - RFP Contract Book 3 (pg. 19) Section 4.2	Does the ATC on aesthetics count against the 6 allowable ATC's?	Yes.
1-6	Book 1, Section A.5	The Submittal Deadlines table mentions the submittal of an Initial ROW Acquisition Exhibit; the RC IV section mentions that ROW Acquisition sheets are required to be submitted as part of the proposal. Can the same sheets be submitted for both the Exhibit and the Proposal? Also, RC IV makes reference to the ROW Acquisition sheets that are required in Contract Book 3. However, there is no mention of any specific requirements for Preliminary ROW sheets in Book 3.	The initial ROW Acquisition Exhibit and the ROW Acquisition sheets for the proposal can be the same sheets. The Design Builder should show the maximum right-of-way required for his design. Book 3 will address requirements for the ROW Acquisition sheets by a forthcoming addendum.
1-7	Book 3	Can TDOT provide the Preliminary Design plan sheets so the DB teams don't have to recreate the sheets to match the provided plan set?	TDOT can provide the dgn files of the preliminary plans if the Design Builder first submits a request with a completed CAD Disclaimer form. This form has been added to the Reference Material under the Roadway folder on the project website. Book 3 will address this requirement by a forthcoming addendum.

RFP QUESTION REQUEST FORM QR

Question #	RFP Book No. and Section ID	Question	Reserved for Agency Response
1-8	Book 3, 1.3 & Website	The "TVA Ocoee Dam #1 Water Elevation and Flow Data 2003-2018.pdf" is not able to be downloaded from the website. An error stating that "the resource you are looking for has been removed, had its name changed, or is temporarily unavailable"	The link has been corrected.
1-9	Book 3, 1.3 & Website	The TDOT 2017 Waste and Borrow Manual (May 15, 2017 edition) was not provided on the website	<i>The Procedures for Providing Offsite Waste and Borrow on Construction Projects dated May 15, 2017 has been added to the Reference Material.</i>
1-10	BK 3, 3.0 Roadway Scope of Work 7.0 Utility Scope of Work	There are 6 teams short-listed for this project. We have several questions (as will all other teams) that need to be asked of the respective utility companies. However, to be considerate of the Utility Companies' time, could a utility coordination meeting including all utilities represented on the project and all short-listed teams be hosted by TDOT to allow all teams the opportunity to ask questions?	TDOT has already held meetings with the utilities, and they were made aware that they may be contacted by multiple Design Build teams. The list of utilities on the project and contact information has been placed in the Resource Material folder, and the addition of this list of utilities will be included in a future amendment.
1-11	Book 3, 4.1	RFP refers to TDOT STD-11-4 for the standard concrete open rail. This standard isn't on TDOT's website. Should the reference had been made to STD-11-3?	STD-11-4 will be a new TDOT standard drawing. The DRAFT STD-11-4 standard drawing has been posted to the Reference Material on the project website for informational purposes only. The final standard drawing will be added to book 2 by a forthcoming addendum

RFP QUESTION REQUEST FORM QR

Question #	RFP Book No. and Section ID	Question	Reserved for Agency Response
1-12	Book 3, 4.1	Section 4.1 states that "the new structure shall provide at least the same vertical clearance over the river as the existing structure." Where at on the river is the vertical clearance to be measured? Across the entire width or within a certain portion of the channel? The existing plans show both a High-Water Elevation (HWE) and an Assumed HWE. From which HWE is the existing clearance height to be determined?	The minimum vertical clearance of the existing structure shall be measured from the Normal Water Level elevation shown on the Bridge Preliminary Layout and shall apply for the entire width of the river channel from bank to bank.
1-13	BK 3, 7.0 Utility Scope of Work	Are utility relocation costs to be part of the LUMP SUM bid, or is TDOT paying for those costs independent of the DB1802 contract?	See Contract Book 3 Section 7.0 - Item #2. Utility relocation costs will not be part of the LUMP SUM bid. TDOT will add any Move-In-State utility relocation work to the Design Builder's contract in accordance with Standard Specifications 109.04. However, the Design Builder is responsible for utility coordination and relocation costs due to any changes in the approved Definitive Plans.

RFP QUESTION REQUEST FORM QR

PROJECT: US-64 (SR-40) over Ocoee River Bridge, Polk County

DB CONTRACT No.: DB1802

DATE: 05/14/2019

Question #	RFP Book No. and Section ID	Question	Reserved for Agency Response
2-1	RFP Book 1, Section 2 RFP Book 3, Section 1.1 RFP Book 3, Section 3.1 RFP Book 3, Section 7.0	The Project Overview in Section 2 states that the Design-Builder shall be responsible for "coordinating the construction/relocation of private utilities with the appropriate owners" and "coordination with all stakeholders, including but not limited to utility companies". This is also included in Section 1.1 of Book 3. RFP Book 3, Section 3.1, page 13 says that TDOT will perform the utility coordination for the project. RFP Book 3, Section 7.0 seems to infer a combination of TDOT and Design- Builder utility coordination. Can the Department clarify the Design-Builder's responsibilities regarding utility coordination?	<p>The Design-Builder is responsible for coordinating with utilities as needed in the preparation of their proposal and during plans development and construction. Utility relocation costs will not be part of the LUMP SUM bid. TDOT will perform the utility coordination as specified in RFP Book 3, Section 7.0, Item 2. TDOT will add any Move-In-State utility relocation work to the Design Builder's contract in accordance with Standard Specifications 109.04. However, the Design Builder is responsible for utility coordination and relocation costs due to any changes in the approved Definitive Plans.</p>

RFP QUESTION REQUEST FORM QR

Question #	RFP Book No. and Section ID	Question	Reserved for Agency Response
2-2	Preliminary Plans	Can the Department please provide all Microstation and Geopak files for the Preliminary Roadway and Bridge plans?	TDOT can provide the dgn files of only the preliminary roadway plans if the Design Builder first submits a request with a completed CAD Disclaimer form. This form has been added to the Reference Material.
2-3	RFP Book 3, Section 4.1	This section states that the bridge rail is shown on standard drawings STD-11-4. This drawing is not available on the TDOT website. Can the Department please provide this drawing?	STD-11-4 will be a new TDOT standard drawing. The DRAFT STD-11-4 standard drawing has been posted to the Reference Material on the project website for informational purposes only. The final standard drawing will be made available with a future amendment.
2-4	RFP Book 1, Section 5	When will the Department start one-on-one meetings and given the limited time between now and the ATC deadline would the Department consider moving the ATC deadline back to allow time to have one-on-one meetings and develop ATCs?	The one on One meeting is already setup and an email was sent to each Design Builder for it.

RFP QUESTION REQUEST FORM QR

Question #	RFP Book No. and Section ID	Question	Reserved for Agency Response
2-5	Reference material - Preliminary Plans - Sheet 1 of 2	The elevation view shown on the first sheet of the preliminary bridge layout plans for SR40 over Ocoee (PIN No. 124102.00) indicates the FEMA 100-year flood elevation is 735.20 and the Low Girder Elevation is shown as 733.78. However, the low chord elevation at the end of the bridge appears to be schematically higher than the FEMA 100-year elevation on the drawing. Please verify these elevations for accuracy.	The 733.78 elevation shown on the bridge preliminary is incorrect. The correct Low Girder Elevation is 737.38. A revised bridge preliminary will be made available with a forthcoming addendum. The following statement will be added to book 3 by forthcoming addendum: The bearings for the girders shall be seated above the 100 year flood elevation of 735.20.
2-6	Reference Material	If consolidation testing was performed on the original soil borings, can TDOT provide the consolidation laboratory data?	No consolidation testing was performed.
2-7	Reference Material	Can TDOT provide the sheet files for the preliminary plans so the DB Teams do not have to recreate the sheets?	These files will not be provided. TDOT can provide the dgn files of only the preliminary roadway plans.
2-8	Reference Material	Can you ask if they can provide the sheet files (.SHT), the proposed GPK file, and the bridge preliminary in CAD? There may be other items, but at first look, I know those are missing.	These files will not be provided. TDOT can provide the dgn files of only the preliminary roadway plans.

RFP QUESTION REQUEST FORM QR

PROJECT: US-64 (SR-40) over Ocoee River Bridge, Polk County

DB CONTRACT No.: DB1802

DATE: 06/03/2019

Question #	RFP Book No. and Section ID	Question	Reserved for Agency Response
3-1	Book 3, Section 4.1	Please provide the minimum vertical clearance for the bridge over the River to ensure that every team is using the same vertical clearance number	A minimum vertical clearance of 24'-0" has been added to RFP Book 3 in Section 4.1.
3-2	Book 3, Section 4.2	Please provide the raw rendering files in the native program file format so we can ensure that our ATC renderings look like the RFP's?	The model was developed in Sketchup, and the renderings created from Sketchup using Enscape in the format that has been provided. The model .skp file has been added to the Renderings folder of the Reference Material.
3-3	Book 2, SP108C	Special Provision 108C states that the LD deductions for this project shall be \$2,200 per day for a contract value of \$10M-\$20M. SP108B states that the LD is \$1,800 per day. Please confirm that SP108B takes precedence.	The LD for this project is \$2500. SP108B will be revised and SP108C will be deleted by a forthcoming addendum.
3-4	Book 3, Section 4.1	As required in 44 CFR 60.3, the local jurisdiction has the responsibility to confirm that any encroachments within the regulatory floodway do not result in increases during the base flood event. Is this anticipated to be a separate approval process or have there been discussions with the local community regarding who will be reviewing the encroachment review?	A no-rise certification does not require separate review from the local community. TDOT will review and provide to the local floodplain manager after our approval.

RFP QUESTION REQUEST FORM QR

Question #	RFP Book No. and Section ID	Question	Reserved for Agency Response
3-5	RFP Contract Book 3 (pg. 12) Section 3.1	<p>The conceptual plans show the cut slope within a couple of feet of the existing ROW along the Maintenance Road at approximate station 130+00. The RFP states to maintain a minimum of 10 feet along SR 40 from the Proposed ROW to the toe of the proposed slope.</p> <p>Since the location at station 130+00, which is existing ROW, reduces the 10 foot as shown on the conceptual plans, can this be applied along SR 40 to the Welcome Valley Road Intersection if we maintain existing ROW?</p>	No. The ROW line shall be set as shown on the preliminary (30%) plans adjacent to the maintenance road.
3-6	Reference Material	<p>The 2016 Bridge Inspection included in the Reference Material shows an earliest date of next regular inspection of 02/19/2018. If an inspection has occurred since 02/19/2018 please provide for reference.</p>	The pdf document “70SR0400005 04 2019 bridge inspection report.pdf” will be posted to the reference material. Note that the inspection was completed prior to a recent Bridge Repair project.
3-7	RFP Contract Book 3 (pg. 18), Section 4.0	<p>Per Book 3, Section 4.0, the DB shall conduct and submit a load rating analysis for the existing bridge if the use of the existing bridge for construction activities exceeds normal highway loading.</p> <p>As the bridge is currently posted with a 40-ton weight limit, will TDOT provide the current load rating analysis as Reference Material so the DB may review the existing structure components for its construction loads.</p>	The load posting that was listed for this bridge was calculated before the recent Bridge Repair project was completed. With the completed repairs, the load posting can be removed from the bridge. The requirement for rating the bridge is still applicable for any proposed construction loads that are greater than the standard AASHTO HS-20 design loading. The bridge repair plans will be posted to the reference material.

RFP QUESTION REQUEST FORM QR

PROJECT: US-64 (SR-40) over Ocoee River Bridge, Polk County

DB CONTRACT No.: DB1802

DATE: 06/17/2019

Question #	RFP Book No. and Section ID	Question	Reserved for Agency Response
4-1	Addendum #1 Book 3, Page 19	Addendum #1 requires hydraulic analysis to support bridge length recommendation as part of Bridge Aesthetic Submittal. Will TDOT supply design-build teams with HEC-RAS files for hydraulic analysis used as a basis for the 30% plans?	The HEC-RAS files can be found in the Reference Material under the Bridge folder.
4-2	Addendum #1 Book 3, Page 19	Does the Bridge Aesthetic Submittal require submission of a hydraulic analysis, even if no reductions are proposed to the drainage cross-section?	The hydraulic analysis is not required at the time of the Bridge Aesthetics Submittal. TDOT approval of the Design-Builder's Final Bridge Aesthetics Submittal will be contingent upon approval of the hydraulic analysis required with the proposal submittal. A hydraulic analysis shall be submitted even if no reductions are proposed to the drainage cross-section.
4-3	Addendum #1 Book 1, Page 7 AND Book 3, Page 20	Page 20 of Book 3 discusses a DRAFT and FINAL Bridge Aesthetic Submittal. However, the revised schedule on Page 7 of Book 1 doesn't address the submittal dates for each respective DRAFT and FINAL submittal. Please clarify.	The date shown in the revised schedule is for the Final Bridge Aesthetics Submittal. Prior to the Final Submittal, the Design-Builder may submit a Draft Bridge Aesthetics Submittal including any alternatives for TDOT review and approval. The Design-Builder shall anticipate the time needed for TDOT's review (10 business days) of the

RFP QUESTION REQUEST FORM QR

Question #	RFP Book No. and Section ID	Question	Reserved for Agency Response
			Draft Submittal and for the Design-Builder to prepare his Final Submittal by the deadline shown in the schedule.
4-4	Book 3, Section 4.1	Addendum 1 states that the Normal Water Level elevation is 714.90 and the Preliminary Bridge Plans show the NWL is 715.90. Please clarify which is the correct elevation.	Normal Water Level elevation 715.90 is correct, and RFB Book 3 will be corrected in a future addendum.
4-5	Reference files	When we tried to open the Sketchup .skp file, there was no model contained within this file. Please provide the full Sketchup model and/or Revvit files so we can reproduce the renderings.	A zip file of the Sketchup .skp file has been provided in the Reference Material under the Bridge folder.

RFP QUESTION REQUEST FORM QR

PROJECT: US-64 (SR-40) over Ocoee River Bridge, Polk County

DB CONTRACT No.: DB1802

DATE: 06/26/2019

Question #	RFP Book No. and Section ID	Question	Reserved for Agency Response
Revised 4-3	Addendum #1 Book 1, Page 7 AND Book 3, Page 20	Page 20 of Book 3 discusses a DRAFT and FINAL Bridge Aesthetic Submittal. However, the revised schedule on Page 7 of Book 1 doesn't address the submittal dates for each respective DRAFT and FINAL submittal. Please clarify.	See Addendum #2 for clarification.
5-1	Book 3, Section 4.1	Since the bridge is being striped for 3 lanes, should the deck drains be based on 3-lane section or the ultimate 4-lane section?	Deck drains shall be designed and installed for the "ultimate" 4-lane section.

RFP QUESTION REQUEST FORM QR

PROJECT: US-64 (SR-40) over Ocoee River Bridge, Polk County

DB CONTRACT No.: DB1802

DATE: July 30, 2019

RFP Book No. and Section ID	Question	Reserved for Agency Response
Book 3, Section 3.1	Please clarify which document we should use for side road design speeds. There is a discrepancy between Table I from the respective RD11-TS standard drawing and the design speeds shown on the side road profiles.	The proposed sideroad profiles shown on the TDOT 30% preliminary plans are appropriate for tying into the SR-40 roadway cross-slope at this stop condition.

RFP QUESTION REQUEST FORM QR

PROJECT: US-64 (SR-40) over Ocoee River Bridge, Polk County

DB CONTRACT No.: DB1802

DATE: September 20, 2019

RFP Book No. and Section ID	Question	Reserved for Agency Response
RFP Book 1 Page 20	ITS is listed under the 714-40.75 Design-Build Utilities and Railroad bid item. Is ITS a part of the required scope for this project? If so, please provide additional information regarding requirements.	ITS is not part of the scope for this project. ITS is deleted from this pay item by addendum.
RFP Book 3 – Section 3.0 Roadway Scope of Work	Are Prime and Tack coat required for this project?	Prime and Tack coat are shown as included in the Pay Item Number 301-50.50 Design-Build Pavement in RFP Book 1 Page 19, and therefore both are required in the pavement schedule.