



## COMMENT RESOLUTION FORM

<b>Date:</b>		6/1/2022		<b>Disposition Codes:</b>					
<b>FHU Project Number</b>		117253-08 EPC Reviews 2022		<b>A. Accept Comment</b>			<b>E. Comment Conflicts with Previous Direction</b>		
<b>Project Name:</b>		Sterling Ranch Road over Sand Creek Bridge		<b>B. Delete Comment</b>			<b>F. Designer to Evaluate Comment</b>		
<b>Project Number:</b>				<b>C. Clarify Comment</b>			<b>G. Discuss Comment; Follow-up Required</b>		
<b>Client:</b>		El Paso County		<b>D. Disagree with Comment</b>					
<b>Designer:</b>		Contech Engineered Solutions; KBJW							
<b>Submittal:</b>		Review 1		<b>Other Review:</b>			N/A		

Reviewer Comments				Designer/Consultant Response			Final Disposition		
Comment No.	Reviewer	Sheet/ Page No.	Comments	Initial Code	Date	Response	Code	Date	Initials
1	CAO	CONTECH plan sheet 3 of 7	Headwall		7/15/22	Updated	A	8/15/22	CAO
2	CAO	General calculations, CONTECH plan sheet 6 of 7	Confirm fill does not exceed 5'-0" per design. It is unclear from the Grading and headwall plans what the maximum fill height will be.		7/15/22	Please see revised plans and report for better defined fill height over structure. Planned fill height min. is 5.1' and a max. of 5.75' per the revised report.	A	8/15/22	CAO
3	CAO	KBJW plan sheets 3, 4	An indication of FG height below TOW at BF would be helpful in this section.		7/15/22	Dimension now added to sections	A	8/15/22	CAO
4	CAO	KBJW Bridge Design Report pg 1	Addendum table with updated bearing capacities not provided for review. The referenced Entech Engineering report for Job No. 211647 for Briargate Parkway over Sand Creek does not indicate the bearing pressure noted here. Please provide addendum/report for verification.		7/15/22	Geotech. Addendum previously provided to Jeff Rice directly	G	8/15/22	Still require the addendum and/or report for verification of bearing pressures noted in KBJW report.
5	CAO	KBJW Bridge Design Report pg 2	Cannot confirm with submitted Entech Subsurface Soil Investigation report (revised, dated March 24, 2022) nor referenced Entech report for Job No. 211647. Please provide for verification.		7/15/22	Geotech. Addendum previously provided to Jeff Rice directly. See revised KBJW Report	G	8/15/22	Still require the addendum and/or report for verification of bearing pressures noted in KBJW report.
6	CAO	KBJW Bridge Design Report pg 6	Cannot confirm with submitted Entech Subsurface Soil Investigation report (revised, dated March 24, 2022) nor referenced Entech report for Job No. 211647. Please provide for verification.		7/15/22	Geotech. Addendum previously provided to Jeff Rice directly. See revised KBJW Report	G	8/15/22	Still require the addendum and/or report for verification of bearing pressures noted in KBJW report.
7	JRR	Drainage Letter pg 26 (HY-8 Calc)	Culvert inverts don't match plans. Inv in = 7000.80, pond plans (pg 53) show 7000.88, const plans show 7001.17. Similar minor discrepancies on downstream end		7/15/22	Updated	A	8/30/22	JRR
8	JRR	Drainage Letter pg 26 (HY-8 Calc)	Show cross section of the barrel shape used in HY-8 model. There is no way to confirm the cross-section being shown matches the geometry of the Contech arch structure.		7/15/22	Now provided	A	8/30/22	JRR
9	JRR	Drainage Letter	Where is the outlet protection defined? No design shown at the outlet of the structure.		7/15/22	Now provided	G	8/30/22	Provide analysis for outlet protection design
10	JRR	Drainage Letter	Was scour taken into account with this structure? There is no mention of this type of analysis.		7/15/22	Scour Analysis provided with next submittal	G	8/30/22	Will review scour analysis when it is submitted
11	JRR	Drainage Letter	The letter mentions that the culvert will be included in the overall Sand Creek Channel Improvements project, but there is no hydraulic data presented in this letter for the floodplain. Besides referencing the other study, please ensure that base flood elevations are not being affected by this project, or at least show that this project is following the design as depicted with that study.		7/15/22	This structure has been provided to JR Eng. to include in their overall Sand Creek Model. Please reference their latest Design Report for flood plain information.	A	8/30/22	JRR
12	JRR	Drainage Letter pg 54	There is no way to confirm the roadway grade shown in the HY-8 calculations. Please show the proposed grading in the profiles for the culvert.		7/15/22	Longitudinal section now provided with plans.	A	8/30/22	JRR

<b>Verifier Signature:</b>				<b>Date:</b>			
<b>Distribution:</b>		FHU, El Paso County		<b>Other - Specify:</b>			