

**Region 2 Bridge Bundle Design-Build
FBR R200-266; S/A 23558
Industry Review Phase**

Non-confidential One-on-One RFIs and Responses					
Question No.	Document	Section	Page No.	Question	Response
1	ITP	3.2.29	12 of 36	Escrow Agreement: The paragraph states that "three signed originals" must be delivered with the proposal. Is this required given that the proposal is submitted electronically?	Yes
2	ITP	3.2.29	12 of 36	Escrow Agreement: Would CDOT consider submittal of the escrowed documents on an encrypted flash drive?	An ATC may be submitted for consideration in changing the escrowed documents requirements.
3	ITP	4.3.2		Maximum total points listed as 20, adding individual scoring elements equals 25	This has been changed to 25 points.
4	ITP	5.0	5.10	Confirm the requirement of 1"=100' scale plans. Can 1"=40' scale plans be used for structures?	Yes, 1"=40' scale can be used for structures. Language has been added to the ITP.
5	Book 1	7.6		The DBE Construction Goal has been established as 9%. With the remote and multiple individual project locations associated with this project the ability to find and secure available DBE firms will be difficult. Would CDOT consider reducing the DBE percentage to 7% for construction for this project?	No, CDOT will not consider reducing the DBE percentage. The 9% will stand, as the Region CRO has taken all project areas into consideration, other project history for those areas, and the type of work and possible DBE companies that can do the work.
6	Book 1	9		Providing appropriate insurance for the project, including the OCIP requirements, will represent a significant portion of the project costs that will be included as part of our proposal. Would CDOT consider holding, with CDOT's Risk Manager, an additional combined meeting, with all proposers, to provide an opportunity for teams to understand and discuss the specific insurance requirements needed for this project and specific OCIP coverages?	CDOT has reached out to CDOT Risk Management and the OCIP administrators to schedule a meeting with the shortlisted teams. A time and date has not been scheduled yet.
7	Book 2	1.5 and 1.6	1-2	On 1.5.1 to 1.5.17, and 1.6.1 and 1.6.2, should shoulders be paved?	Yes, shoulders shall be paved.
8	Book 2	1.5 and 1.6	1-2	On 1.5.1 to 1.5.17, and 1.6.1 and 1.6.2, permanent water quality improvements are called out as part of the BCC. In numerous others locations in Book 2 it is stated that permanent water quality improvements are not required. Please clarify.	The requirements for permanent water quality improvements in the Basic Configuration have been deleted. Permanent water quality will not be required for the project.
9	Book 2	2.1	2-51	Table 2-2: What is an "FHWA Bridge Replacement Cost Report"?	Will be deleted from Final RFP.
10	Book 2	2.2	2-1	In 2.2 it is stated "The Contractor shall not replace any Key Personnel without prior Approval from CDOT". Can this be rewritten to say "The Contractor shall not replace any Key Personnel without prior Approval from CDOT, which approval shall not be unreasonably withheld by CDOT".	No, not necessary.
11	Book 2	2.2.5.7	2-3	This states that the Design Quality Manager "Must work under the direct supervision of the Design-Builder's Executive Management Team (EMT). The Design Quality Manager will report to the EMT.". Shouldn't the DQM report to the Quality Control Administrator?	Yes, corrected in the document
12	Book 2	2.2.6.6	2-3	This states that the Construction Quality Manager "Must work under the direct supervision of the Design-Builder's Executive Management Team (EMT). The Design-Build Construction Quality Manager will report to the EMT.". Shouldn't the CQM report to the Quality Control Administrator?	Yes, corrected in the document
13	Book 2	2.2.7.4	2-3	It is stated that the Construction Quality Manager "Must be available on site as necessary for the duration of the Project". Should this read "Must be available on site as necessary during construction of the Project"?	Yes, wording will be changed in Book 2
14	Book 2	2.4		This Section States: All Contract Schedules shall be cost-loaded and resource-loaded to WBS Level VI. Would CDOT consider only requiring cost-loaded contract schedules?	No
15	Book 2	3.1.1 and 3.2.2	3-2	Section 3.2.2 conflicts slightly with section 3.1.1 whereby the contractor is required to perform auditing of its process control (PC). The question is, who is responsible for auditing the contractor's PC efforts and to what extent, limits and responsibility? Is it CDOT or the Contractor? The Contractor QMP could include the processes and procedures for this. Would CDOT consider quarterly audits on all its PC with results provided to CDOT? The auditor can be internal or external.	Auditing of Process Control is not addressed in Book 2 Section 3.1.1 Quality Policy. Further clarification of the Contractor's RFI may be required if the response below does not address the RFI as written. Book 2 Section 3.1.2 Quality Planning No. 6 states that the Contractor shall include the following task in the QMP: <i>Develop procedures for internal quality auditing to ensure the Contractor employees, Subconsultants, Subcontractors, and Suppliers understand and are effectively implementing the QMP. The Contractor shall audit the implementation of the QMP on a quarterly basis.</i> Book 2 Section 3.2.2 CDOT Roles and Responsibilities states <i>CDOT will provide a qualified construction QA team to perform QA auditing and acceptance testing. The CDOT construction QA will perform on-site inspection and testing of the construction elements of the Work to verify all Work has been constructed in conformance with the Contract requirements, following the requirements of the CDOT Field Materials Manual.</i> <i>CDOT will perform Independent Assurance Activities to confirm the sampling and testing</i> <i>Activities performed by the QA and the Contractor's PC at CDOT's discretion are conducted by</i> <i>qualified personnel using proper procedures and properly calibrated and functioning Equipment.</i> The answer to the RFI is that both CDOT and Contractor are responsible for auditing the the Contractor's PC efforts. The Contractor shall perform quality auditing to ensure the Contractor employees, Subconsultants, Subcontractors, and suppliers understand and are implementing the QMP. CDOT will then verify
16	Book 2	3.2.2	3-3	Paragraph 1 states; "CDOT will include the results of the Contractors PC testing in its acceptance decisions." Since CDOT maintains the responsibility for acceptance, what aspects are included and to what extent will they be used in the acceptance decisions? Reviewing the 2016 CDOT D/B Manual, section 7.2.3, page 7-8 and Table 7-2 (see to the side), there are two Approaches of acceptance used on CDOT Design-Build Projects. The RFP does not state what approach will be used. The preferred method would be Approach 2.	The sentence "CDOT will include the results of the Contractor's PC Testing in its acceptance decisions" will be deleted. The Contractor's PC shall not be part of the acceptance program, this is strictly for the Contractor's internal production control only. Although not used for acceptance, PC testing and inspection shall ensure quality has been incorporated into all elements of the Work prior to requesting acceptance testing and inspection. Sampling and testing of all materials during the production or manufacturing processes shall be performed by personnel who hold the required certifications as specified in this Manual for the appropriate material. Minimum PC sampling and testing guidelines are located in this Manual in the chapter entitled OA Frequency Guide Schedule for Minimum Materials Sampling, Testing, and Inspection [tab entitled, Schedule (Owner Acceptance)]. Table 7-2 Approach 1 (Use only CDOT Acceptance Data) is the approach for this project.
17	Book 2	3.3	3-4	Is CDOT anticipating the Quality Control Administrator (QCA) to be a 3rd party consultant selected by the Contractor? Section 3.3, paragraph 2 states "The Contractor shall identify a QCA.....".	The QCA may be a 3rd party consultant or an employee of the Contractor that reports directly to Executive Management.
18	Book 2	3.5	3.6	The second paragraph references the QMP. Shouldn't this be DQMP?	Yes, edited in the document
19	Book 2	3.5.9	3-10	When are Final Design Documents to be submitted? Prior to substantial completion?	Submit Final Design Documents according to Table 3-1. The Final Design Documents shall include a complete, final assembled design set that includes the latest RFC plans incorporating all NDC, FDC, RFI's and all required design documentation. It is anticipated that this will be submitted prior to substantial completion.
20	Book 2	3.5.11	3-11	Last paragraph. Does this refer to milestone review meetings for a single location or any locations? If for any, this could slow process down.	It was intended to be for any location, however, CDOT is open to ideas being submitted through the ATC process.
21	Book 2	3.6.1	3-12	Type in second paragraph: "The Contractor shall have enough qualified personnel to handle the workload."	Deleted the second "to" in the sentence.
22	Book 2	4.3.4.5	4-8	The requirement that the PIM shall respond to all requests and attend community and stakeholder group meetings. This too open ended and difficult to scope and price.	The amount of community and stakeholder meetings is unknown at this time. The amount will be determined based on the request of the community and stakeholders.
23	Book 2	5.4.2.1	5-6	Just to verify, the triggers are above and beyond the changes in the Reference Design Documents, correct?	Yes.
24	Book 2	5.4.9	5-16	It is stated "It is estimated that impacts to Waters of the US (WOUS) can be permitted under Nationwide Permit #3 Maintenance or #14 Linear Transportation." What does estimate mean in this context?	Assumed is a better word. Will change to assumed in Section 5.
25	Book 2	5.4.9.2	5-17	Under Senate Bill 40/Wildlife, Contractor Requirements, it is stated that the Contractor shall submit 90% construction plans to CDOT for all construction that impacts the riparian areas for the purpose of obtaining the SB 40 Certification. We don't have 90% plan submittal.	Under Senate Bill 40/Wildlife, where it states 90% construction plans, it will state RFC plans.
26	Book 2	5.6.1	5-20	Under Asbestos and Lead Based Paint Surveys, will further analysis and certification by the Contractor be required, beyond the forms already provided? Can we use the information generated and provided in RDs	No, further analysis and certification by the contractor is not required. The Contractor may use the information generated and provided in the Reference Documents.
27	Book 2	Table 5-2	5-24	In the row for Clean Water Act, Section 404 Permit, it is stated that Contractor is responsible if there are modifications to the Project. If there are not modifications, then who is responsible for obtaining the permit? What is definition of modification?	Removed "if modifications to the project" in Clean Water Act row. Contractor is responsible for obtaining Clean Water Act, Section 404 Permit.
28	Book 2	6.0	6-1	It is stated that the Contractor shall not enter into any agreements with the railroad. However, BNSF is listed as a utility. If there are relocations required, will CDOT enter into that agreement?	BNSF is listed as a utility because they are located in the vicinity of the project. If relocations are required, the contractor shall be responsible for those agreements. The shortlisted teams are encouraged to avoid railroad properties.
29	Book 2	6.1		"The Contractor shall be required to execute Agreements between CDOT and other Third Parties, which shall include, but may not be limited to:" and the two Ditch Companies are listed. Does CDOT envision other 3rd Party Agreements to be required?	CDOT does not envision other 3rd party agreements for the project
30	Book 2	6.1		"The Contractor shall be required to execute Agreements between CDOT and other Third Parties, which shall include, but may not be limited to:" and the two Ditch Companies are listed. For the Ditch Companies, is the agreement shown as Exhibit 6A (CDOT #1028), the only agreement Form that is expected to be executed?	Yes, this is the only agreement form that is expected to be executed. The contractor however, must coordinate with the ditch companies during design and construction in accordance with sections 6.2.2, 6.3.1, and 6.4
31	Book 2	6.1		"The Contractor shall be required to execute Agreements between CDOT and other Third Parties, which shall include, but may not be limited to:" and the two Ditch Companies are listed. Has CDOT discussed or obtained any unofficial or draft commitments or requirements from the Ditch Companies for this project other than those listed?	No, we have not received anything from the ditch companies.
32	Book 2	6.1		"The Contractor shall be required to execute Agreements between CDOT and other Third Parties, which shall include, but may not be limited to:" and the two Ditch Companies are listed. Has a specific work window been defined as to when construction would minimize impacts to the ditch flows?	Ditch flow operations for both the Picketwire Ditch and Otero Ditch are shown in section 6.4. The Contractor may reach out to the ditch companies but be mindful they did not sign any confidential agreement form for the project.
33	Book 2	6.1		"The Contractor shall be required to execute Agreements between CDOT and other Third Parties, which shall include, but may not be limited to:" and the two Ditch Companies are listed. Have the Ditch Companies agreed to the proposed structure selection (Type and Size) shown in the reference documents?	The Otero ditch company was shown the proposed structure that is shown in the Reference Documents. However, they are aware that the proposed structure can be different from what is shown in the Reference Documents. Coordination between the ditch company and the Contractor is critical during the design of the proposed structure over the ditch canals.
34	Book 2	6.1		"The Contractor shall be required to execute Agreements between CDOT and other Third Parties, which shall include, but may not be limited to:" and the two Ditch Companies are listed. What would happen if the agreements are not executed or signed by the Ditch Company after good faith negotiations by the Contractor?	If agreements are not executed or signed by the Ditch Company after good faith negotiations by the Contractor, CDOT will then approach the Ditch Company to resolve any issues that are causing the Ditch Company to not sign the agreement. Agreements must be signed and agreed to prior to any construction on the structures that span over the ditch canals.
35	Book 2	6.2	6-1	Can the Contractor contact the Irrigation Ditch Companies during preparation of the bid?	Yes. The short-listed teams are encouraged to contact the Ditch Companies.

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36	Book 2	7.1.1	7-2	Can we contact the Utilities during the bid phase?	Yes. Shortlisted teams are encouraged to contact utilities.
37	Book 2	8.3.1	8-3	Sentence "If acquisition of both TEs and/or permanent ROW, including, but not limited to, Fee parcels, PE, and Utility Easements (UE), are requested, the application, Approval, and acquisition requirements of this Section are applicable" is oddly worded. What if only TEs are required?	CDOT has determined that the project can be built without TEs or permanent ROW acquisition. If the Contractor's design and construction require additional ROW, TE or permanent, Book 2 Section 8 shall be applicable.
38	Book 2	10.2	10-2	Confirm if Table 10-2 boring depths and frequencies are a requirement or a recommendation.	Recommendations, however, "CDOT Geotechnical Design Manual" and the "CDOT Bridge Design Manual" requirements still must be followed. Recommendations should meet or exceed requirements.
39	Book 2	10.3.2	10-3	Section 10.3.2 states: "Concrete for foundation elements and pavements shall be designed for Class 2 Severity of Sulfate Exposure unless field sampling and laboratory testing indicates a greater sulfate resistance is required... Concrete for foundation elements shall be designed for Class 2, Severity of Sulfate Exposure." These sentences appear to be in conflict. Should it be Class 2 or Class 2 or greater?	The last sentence of 10.3.2 will be deleted.
40	Book 2	10.3.4.2		Baseline Pavement Design This section states "Baseline Pavement Design CDOT has performed the baseline pavement design and Pavement Justification Report(s) to determine the pavement type, thickness, and minimum sub-grade stabilization requirements that will be used on this project. Alternative Configuration Concepts (ACCs) involving a reduction in thickness or change in type of the materials included in the pavement section elements; including Hot Mix Asphalt (HMA), Aggregate Base Course (ABC), and minimum subgrade thicknesses, classifications, and support values, will be not considered for this project." Should a minor correction be made to replace "Alternative Configuration Concepts (ACCs)" with "Alternative Technical Concepts (ATCs)", because the pavement design is not included with the Basic Configuration definition.	Yes. Edited in Document
41	Book 2	10.4.1	10-5	Last paragraph. What is a pavement striping plan, beyond that which will be RFC'd? Temporary striping?	Yes, temporary striping shall be included in the pavement striping plan.
42	Book 2	10.5	10.7	Pavement section analysis and design is listed as a deliverable. But based on the TCs, pavement sections are prescribed and cannot be changed. What is intent of this requirement.	The pavement section analysis and design deliverable will be deleted
43	Book 2	11.3.2	11-2	There is reference to Contractor removing structures and obstructions which are identified in the Basic Configuration but none are listed in Section 1.	Added language to each structure in section 1, "The Contractor shall raise, remove, and dispose of all structures and obstructions at this location"
44	Book 2	12.1.3	12-3	It is stated that "The Contractor shall be responsible for coordinating Third Party Agreements for the Project per Book 2 Section 6 – Third Party Agreements." There is no discussion of third parties beyond the two irrigation districts. What is process? What Third Part Agreements does CDOT foresee?	There are no foreseen Third Party Agreements necessary for the project other than the two irrigation companies.
45	Book 2	12.2.4		Surface Hydrology: This section requires that "The Contractor shall perform hydrologic analyses for all on Site drainage basins and for all local off-site drainage areas immediately adjacent to the Project that contribute runoff to on-site drainage basins." Hydrology analysis is a somewhat subjective process, relying on engineering judgement. Considering that CDOT has already performed extensive hydrological analysis, and this information was used in developing the project Basic Configuration, in the best interest of the project would CDOT consider requiring that the Design-Build teams to utilize the flows determined by CDOT's hydraulic analysis? This will ensure CDOT is provided with a consistent hydrology analysis and use of hydraulic calculations and resulting structure sizing.	CDOT will not require the Contractor to use the hydraulic analysis provided in the reference documents. The Contractor may choose to use the hydraulic analysis that was provided.
46	Book 2	12.2.4		This section requires that "The Contractor shall perform hydrologic analyses for all on Site drainage basins and for all local off-site drainage areas immediately adjacent to the Project that contribute runoff to on-site drainage basins." If the Contractor's hydraulic analysis differs substantially from what was determined by CDOT, how will CDOT determine Acceptance of the Final Hydraulics Report prepared by the Contractor?	For any Final Hydraulics Report that is stamped by a professional engineer in the State of Colorado, CDOT will review and accept the report whether it differs substantially from what was determined by CDOT. If the hydraulic analysis differs substantially, discussion will need to take place with CDOT to go over the major differences from what was given by CDOT.
47	Book 2	12.2.4		This section requires that "The Contractor shall perform hydrologic analyses for all on Site drainage basins and for all local off-site drainage areas immediately adjacent to the Project that contribute runoff to on-site drainage basins." How will CDOT address if the hydraulic analysis results in a structure size being increased or decreased from what was shown in the reference documents?	For any hydraulics analysis that results in a structure size being decreased or increased from what was shown in the reference documents, CDOT will address this by reviewing the differences between the Contractor's analysis and CDOT's analysis. If the Contractor's State of Colorado professional engineer is willing to stamp the hydraulic opening for the proposed structure, CDOT will review and accept.
48	Book 2	12.2.6	12-12	It is stated that "Existing scour, rill, or channel erosion, slope failures, and areas with poor vegetative cover within the Project limits caused by the Work shall be identified and corrected by the Contractor." Does this mean the Contractor must correct all pre-existing deficiencies? Existing deficiencies cannot be caused by the Work. Is there an inventory of these existing deficiencies?	The sentence should read as follows, "Existing scour, rill, or channel erosion, slope failures, and areas with poor vegetative cover within the Project limits and areas caused by the Work shall be identified and corrected by the Contractor." There is not an inventory that shows any existing deficiencies.
49	Book 2	Table 12-4	12-15	Can we contact the Floodplain Administrators during the bid phase?	Yes. Shortlisted teams are encouraged to contact floodplain administrators.
50	Book 2	13.2.3.2	13-2	Will CDOT be providing superelevation diagrams? The plans provided do not show the diagrams.	Superelevation diagrams are included in the superelevation dgn's for applicable structures. Keep in mind these are preliminary superelevation diagrams.
51	Book 2	13.2.5	13-2	Confirm design year for traffic volumes to be used in clear zone requirements	Design year for traffic is 2041.
52	Book 2	13.2.5.4	13-4	Confirm taper ratio of 50:1. Plans indicate a 25:1 taper ratio	Use taper rate of 25:1. Edited in document to reflect 25:1
53	Book 2	13.2.6	13-4	Confirm paving limits are to be per the State Highway Access Code	Paving limits are per the M-203-1
54	Book 2	13.2.6	13-4	Will traffic data be provided for the side roads to confirm design criteria? (limits of pavement, auxiliary lanes requirements, etc.)	No, traffic data for the side roads will not be provided. If necessary for design, the Contractor must obtain.
55	Book 2	13.3.3.2	13-6	Section 13.3.3.2 states "The Contractor shall provide permanent fencing and gates in accordance with CDOT Standard M-607-1." What type of fencing is required as there are several included on the referenced standard?	Barbed wire fence with metal posts.
56	Book 2	13, Exhibit A	13-7	For US 350A, there appears to be a gap in mile markers as one column has data for mile markers 0 to 45.149 and the second column has data for mile markers 49.149 to 72.718. Please correct/clarify.	Corrected in the Document.
57	Book 2	14.4	14-4	Don't understand why signage and pavement marking plans must be submitted 60 days prior to issuance of RFC documents. Won't these be part of the RFC drawings?	Yes, signage and pavement marking plans shall be submitted as part of the RFC drawings.
58	Book 2	15.1.1	15-1	Bridges I-15-T and M-22-U are missing from Table 15-1 but are listed in Section 1.1 Project Description. Please confirm these structures are included in the RFP.	Corrected in document
59	Book 2	Table 15-2	15-3	Are reference documents listed in order of priority or is the more stringent requirement to be followed if there is a conflict between design criteria?	Reference documents are not listed in order of priority. If there is a conflict, the more stringent criteria shall be used.
60	Book 2	15.3.3	15-5	Table 15.3.3 lists a structure M-21-Y that was not included in Section 1.1 Project Description. Please confirm if this was meant to say M-22-Y.	Corrected in document
61	Book 2	15.3.8.1	15-7	Clarify the dimension requirements for the structural-plate arch culvert option. Which dimension is rise and which is span? The other options in this section seem to imply a minimum 7 height is required for stock.	Added "span" and "rise" to clarify
62	Book 2	15.3.8.1	15-7	Section 15.3.8.1 lists structures used as stock crossings; however, the SSR for structure N-21-C indicates that it is also used as a cattle crossing. Does N-21-C need to be designed to accommodate a stock/cattle crossing?	N-21-C is used as a cattle/livestock crossing. The proposed structure needs to be designed to accommodate cattle/livestock crossing per the CDOT DDM.
63	Book 2	15.3.8.2	15-7	Clarify the requirements for fish passages at Str. H-13-N and G-12-C. Book 2, Section 5 - Environmental does not appear to specifically address these requirements.	Refer to Section 5.4.9.2, Senate Bill 40/Wildlife.
64	Book 2	15.3.9.1.1	15-7	Can the cross slope of 2H:1V be waived if a proper wall system is used at the abutment?	Need more clarification on what is being requested.
65	Book 2	15.3.9.1.1 and 15.3.9.3.89	15-7 and 15-10	Is concrete slope protection required on the slopes in front (channel side) of wingwalls and abutments at bridges? Or just behind (roadway side) of retaining walls?	If tiered walls are used, slope protection is required. Channel side is determined by hydraulic analysis.
66	Book 2	15.3.9.3.4	15-8	Please clarify that "If any part of the deck resists tension, the stress in the deck in this area shall not exceed 0.0948 times the square root of f'c. (0.0948 x (f'c)1/2) where f'c is in ksi. Minimum longitudinal steel in the top mat of cast-in-place decks shall be #4's at 6-inch spacing spliced to the negative-moment steel reinforcing over piers." is under Service Limit State.	Yes, it's under service limit state
67	Book 2	15.3.9.3.4 & 15.3.3	15-8 & 15-5	Section 15.3.9.3.4 says "the use of concrete stay-in-place deck forms is optional." Section 15.3.3 appears to indicate they are required to meet CBE's minimum requirements. Please clarify.	Precast Deck Panels are to be used on CBE structures.
68	Book 2	16.2.1.4	5-6	Clarify "full lane closures will not be allowed". Will one lane operations be allowed?	One lane operations will be allowed. No full roadway closures. ATCs may be submitted for consideration.
69	Book 2	16.2.1.4	5-6	Will CDOT be providing alignments, profiles and surfaces for detours?	Preliminary graphically represented detour alignments are included in the reference dgn files. Profiles and surfaces were not developed.
70	Book 2	16.2.1.4	5-6	Will CDOT be providing superelevation requirements for the detours?	Detours shall be designed per appropriate design guides.
71	Book 2	Book 3 Table 1	2-9	Clarify "issue- date" vs. "latest current version" at the time of the Proposal Due Date including interim revisions and updates.	Current standards and their revisions at the date of the issue of the Final RFP.
72	Book 2	General		Confirm the CDOT ".itl" file was used for modeling. Please provide latest file if altered for the 30% design	CDOT ORD workspace was used for preliminary modeling. Refer to CDOT's website for latest ORD workspace.
73	Book 2	General		Will CDOT Form 463 need to be completed for each site	No, Form 463's have been completed for each subaccount for the project. One for the original 14 structures and one for the 3 additional structures and 2 AREs.
74	Book 2 and RD	Section 12 and Reference Documents		The various Hydraulics Reports provided in the Reference Documents, prepared by Stanley Consultants, have a general statement typically in Section 2. Hydrology, as follows: "Preliminary hydrology for the watershed tributary to this structure was provided by CDOT. A memorandum provided by CDOT has been provided that summarizes basin areas, runoff methodology and approximate flowrates derived from the preliminary analysis. Table 1 is a summary of the approximate flowrates provided by CDOT of structure". Can CDOT provide the same Preliminary Hydrology information, provided to Stanley, that was referenced in these reports?	Information that was provided by CDOT is summarized in the table of approximate flow rates in the preliminary hydraulics reports.
75	RD	Final I-17-X SSR	9	The SSR's Recommended Alternative is a one-span 30.0 ft long bridge with concrete deck with tall wall abutments. In the section of the SSR related to hydraulics, it is stated that 4 feet of freeboard is required but since the existing 100-year floodplain overtops the roadway, it is not feasible to raise the bridge enough to obtain this freeboard and the preliminary design shows that a freeboard of 1.69 feet can be obtained. As this does not conform to the Project Requirements, is this allowable by CDOT?	Yes
76	RD	Final M-21-1 SSR	9	The SSR's Recommended Alternative is a one-span 72-ft long concrete girder bridge. In the section of the SSR related to hydraulics, it is stated that 2 feet of freeboard is required. However, that section states that the existing 100-year floodplain at M-21-1 hits the existing bridge girders, and due to funding and site constraints, it is not feasible to raise the bridge above the 100-year floodplain. The proposed preliminary design will not increase this condition. As this does not conform to the Project Requirements, is this allowable by CDOT?	Yes
77	RD	Final M-21-J SSR	10	The SSRs Recommended Alternative is a one-span 51.0 ft long bridge with concrete deck over side-by-side precast prestressed concrete box girders. In the section of the SSR related to hydraulics, it is stated that 2 feet of freeboard is required. However, preliminary analysis by CDOT shows this bridge has 0.26 ft of freeboard above the 100-year water surface elevation, less than required 2 feet. As this does not conform to the Project Requirements, is this allowable by CDOT?	Yes
78	RD	Final N-21-F SSR	10	The SSRs Recommended Alternative is a two-span 122.0 ft long bridge with a concrete deck over (5) BX 24x48 precast prestressed concrete box girders. In the section of the SSR related to hydraulics, it is stated that 2 feet of freeboard is required. However, that section states that preliminary analysis shows this bridge has 1.89 ft of freeboard above the 100-year water surface elevation, less than required 2 feet.. As this does not conform to the Project Requirements, is this allowable by CDOT?	Yes
79	RD	Hydraulics	N/A	The only hydrology information provided in the preliminary hydraulic reports is a statement that the hydrology was provided by CDOT, with a summary table of flows. Is CDOT going to provide us with the hydrology information that is referenced in the reports?	Information that was provided by CDOT is summarized in the table of approximate flow rates in the preliminary hydraulics reports.
80	RD	General		Does CDOT consider the Geotechnical Reference Documents to be in compliance with the Technical Requirements such that the design team is not required to confirm and update them to be in compliance?	CDOT considers the Geotechnical Reference Documents to be in compliance with the Technical Requirements.

81	RD	General	Upon opening the ORD files provided in the RDs, it was found that there were numerous reference files missing. The number of instances where this data is missing is too numerous to list but occurs for all 19 sites and may include CADD drawings not listed but needed for us to complete our preliminary design. We urgently request that CDOT provide all <u>reference files for all disciplines</u> and <u>sheet files for roadway and structure plans</u> as soon as possible.	Additional files were obtained and will be provided in the References Folder
82	RD	Reference Files	In creating our base files, we have encountered broken links in the CADD files provided by CDOT. In our review it appears that this is a result of missing reference files that were not provided as part of the initial download. Does CDOT have and/or can you provide the following files for each bridge location: SURV Terrain, ENVR Wetlands, SURV ExUtilities	Additional files which include: SURV_Terrain, SURV_Ex Utilities, and ENVR_Wetlands will be provided.