

FRA-70-14.48 (PID 77370)

I-70 / I-71 East Interchange Phase 2D

Stage 2 Plan Review Comment Disposition

Status Code = "Open" = Open, Remains Unresolved, Undrafted, and or Unverified

Status Code = "Closed" = Closed, Comment Resolved-Drafted and Verified

Status Code = "Resolve" = Comment remains unresolved and needs additional coordination for resolution

Comment No.	Reference	Reviewer	Agency	Sheet #	Reviewer Comment Number	Review Comment	Status Code	Response	Responsible Party
292	FRA-70-1498	DETLOFF	GEOTECH	-	1	Bridge FRA-70-14.98L&R Geotechnical Report: Section 2.0, "General Project Information," does not comply with the standard Geotechnical Report format per SGE Section 705. This section is largely redundant with the Introduction, and contains much repeated information; what separate information is contained in this section should more appropriately be placed in the Introduction.	Open	DLZ will revise the report accordingly.	GLG
293	FRA-70-1498	DETLOFF	GEOTECH	-	2	Bridge FRA-70-14.98L&R Geotechnical Report: Analyses and Recommendations: The Geotechnical Report documents analyses and presents recommendations in Section 6.0 "Conclusions and Recommendations;" however, the information is not gathered under the heading "Analyses and Recommendations" as required by SGE Section 705.7.	Open	DLZ will revise the report accordingly.	GLG
294	FRA-70-1498	DETLOFF	GEOTECH	-	3	Bridge FRA-70-14.98L&R Geotechnical Report: Analyses and Recommendations: In Section 6.2 "Loading," in Table 1, the values reported for "Total factored dead load" are not being used in the foundation stability calculations in Appendix II. The reported "Total unfactored dead load" values are being used, factored by the DC load factor, which produces lower values than those reported in Table 1 and in the Appendix I Loading and Elevation Table. It should be noted that the maximum DW load factor is higher than the maximum DC load factor, which may account for the difference. Please check with the structural engineer that the correct loads and load factors are being used for the structure dead loads.	Open	Unfactored loads were used with appropriate load factors in all of the geotechnical analyses. The total factored loads were provided by the structural engineer and simply documented in the report. The DLZ structural engineer will provide correct appropriate load factors to be used in both geotechnical and structural analyses.	GLG
295	FRA-70-1498	DETLOFF	GEOTECH	-	4	Bridge FRA-70-14.98L&R Geotechnical Report: Analyses and Recommendations: Considering that bearing capacity controls the foundation width in three of the six sections, a higher dead load factor will likely result in redesign of the footings.	Open	The DLZ structural engineer will provide correct appropriate load factors to be used in both geotechnical and structural analyses. Foundation stability calculations will be revised accordingly, if necessary.	GLG
296	FRA-70-1498	DETLOFF	GEOTECH	-	5	Bridge FRA-70-14.98L&R Stage 2 Structure Plan Detail Sheets: As the foundations of this structure are designed in six sections, with separate bearing pressures and bearing resistance for each section, modify the Spread Footing Foundations plan note to provide the bearing pressures and bearing resistance for each foundation sub unit, from Table 4 through Table 8 of the Geotechnical Report. Please note that these values may be subject to change, based on comments 03 and 04, above.	Open	The Spread Footing Foundations plan note will be expanded to include bearing pressures and bearing resistance for each foundation sub unit.	GLG
297	FRA-70-1498	DETLOFF	GEOTECH	-	6	Bridge FRA-70-14.98L&R Stage 2 Structure Plan Detail Sheets: Use these same foundation sub units for placement of the reference monuments per modified Structure Note 606.6-2 (see Comment 50 from our communication dated May 06, 2013).	Open	Structure Note 606.6-2 will be expanded to include reference monuments at each foundation sub unit and each end.	GLG