



FROEHLING & ROBERTSON, INC.

Engineering • Environmental • Geotechnical

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October 14, 2015

Mr. Harris
South Carolina Department of Transportation

Reference: Report of Laboratory Testing
 US Route 176 over Cannons Creek Bridge Replacement
 Newberry County, South Carolina
 F&R Project Number: 65T-0188

Dear Mr. Harris:

Froehling & Robertson, Inc. (F&R) has completed the requested laboratory testing for the above referenced project. Our services were performed in accordance with your verbal request for laboratory testing and your verbal authorization to proceed on October 13, 2015.

SCOPE

Soil test boring samples you obtained from Borings B-01 and B-02, performed by others, were provided to us on October 13, 2015 for soil laboratory testing. The scope of laboratory testing consisted of the following:

Boring B-01				
Sample Depth (ft)	Sample No.	Test Assigned		
		Wash No. 200	Atterberg Limits Tests	Natural Moisture Content
13.5-15	SS-6	X	X	X
18.5-23.5	SS-7	X	X	X
28.5-30.0	SS-8	X	-	X

Note: The bag sample SS-7 was marked as 18.5'-20.0' and SS-8 was marked as 23.5'-25.0'



Boring B-02				
Sample Depth	Sample No.	Test Assigned		
		Wash No. 200	Atterberg Limits Tests	Natural Moisture Content
18.5-20	SS-7	X	X	X
23.5-25	SS-8	X	-	X
28.5-30	SS-9	X	-	X
33.5-35	SS-10	X	-	X
38.5-40	SS-11	X	-	X

LABORATORY TESTING

The wash No. 200 and natural moisture content tests were performed in accordance with ASTM D1140 and ASTM D 2216, respectively. The laboratory testing results are presented in Appendix I. The Atterberg Limit tests are still being performed and results should be available no later than COB October 15, 2015. The results of this test will be provided in an addendum to this report.

F&R greatly appreciates the opportunity to work with you on this project. If there are any questions concerning this data report or if any additional information is required, please do not hesitate to contact us.

Sincerely,
FROEHLING & ROBERTSON, INC.

Benedictus K. Azumah, PE
 Geotechnical Services Manager





APENDIX I

Results of Laboratory Testing



FROEHLING & ROBERTSON, INC.

LABORATORY TEST SUMMARY SHEET

F&R Project No: 65T-0188
Client: South Carolina Department of Transportation
Project: US Route 176 over Cannons Creek Bridge Replacement
City/State: Newberry County, SC

Boring/Sample No.	Depth (ft)	LL	PL	PI	Water Content (%)	Percent Passing No. 200 Sieve
B-01	13.5 - 15.0				18.9	17.1
B-01	18.5 - 20.0				37.9	78.5
B-01	23.5 - 25.0				32.8	25.4
B-02	18.5 - 20.0				30.0	62.0
B-02	23.5 - 25.0				23.2	13.0
B-02	28.5 - 30.0				27.4	6.2
B-02	33.5 - 35.0				21.2	9.6
B-02	38.5 - 40.0				32.0	16.5

Date: 10/14/15