

Bridge Foundation Boring Log

Project: H-08103 Bridge _____ Date: 5/28/08
 Section: 05-00183-00-BR Station _____ Bored by: D. Russell
 Structure: _____ Checked By: T. Holcomb
 County: Jefferson

Boring No. 1	Station	Offset	Surface Water Elev.			Ground Water Elev.						
			Elevation	N	Qu tsf	W %	Elevation	N	Qu tsf	W %		
						81.8						
						75.8						
			Ground Surface (428.8) 99.8	0								
			3" A-3 Surface over 6" Crushed Stone 99.1			(404.8) 75.8	100 / 8"					9
			Gray Mottled Brown Silty CLAY (A-6) with sand	9	1.4S							
				5	1.3S							
			(422.8) 93.8									
			Gray Mottled Brown Clayey SILT (A-4) with sand	7	1.1S							
						(399.8) 70.8	100 / 6"					5
			(418.8) 89.8									
			Gray Mottled Brown Silty CLAY (A-6) with sand	6	1.1S							
			88.3									
			Brown Sandy CLAY (A-6)	6	0.8B							
			(412.3) 83.3									
			Gray Mottled Brown Silty CLAY (A-6) with sand	19	3.1S							
				23	5.6S							
			(407.3) 78.3									
			Brown-Gray Sandy SHALE	66								

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
 Qu - Unconfined Compressive Strength in tons/sq.ft.
 w - Water Content - percentage of oven dry weight-%
 B = Bulge Failure
 S = Shear Failure
 E = Estimated Value
 P = Penetrometer

(100.0 = 429.0 U.S.G.S.±)

BORING 1
(East)

DESIGNED - A.S.L.
CHECKED - S.M.S.
DRAWN - D.T.M.
CHECKED - D.A.B.

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Boring No. 2	Station	Offset	Surface Water Elev.			Ground Water Elev.						
			Elevation	N	Qu tsf	W %	Elevation	N	Qu tsf	W %		
						81.3						
						plugged						
			Ground Surface (429.3) 100.3	0								
			3" A-3 Surface over 6" Crushed Stone 99.6			(405.3) 76.3						
			Gray Mottled Brown Silty CLAY to Clayey SILT (A-6 to A-4) with sand	6	1.8S							
				2	0.7B							
			(422.8) 93.8									
			Gray Silty CLAY (A-6) with sand	0	0.8B							
			(417.8) 88.8									
			Brown Mottled Gray Sandy CLAY (A-6)	13	1.6S							
			(415.3) 86.3									
			Gray Silty CLAY (A-6)	2	0.4B							
			(412.8) 83.8									
			Brown Clayey SAND (SC)	6	0.5B							
				12	1.5S							
			(407.8) 78.8									
			Brown Mottled Gray CLAY (A-6)	6	1.9B							

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 w - Water Content - percentage of oven dry weight-%
 B = Bulge Failure
 S = Shear Failure
 E = Estimated Value
 P = Penetrometer

BORING 2
(West)

ABUTMENTS
STRUCTURE NO. 041-3743

HAMPTON, LENZINI & RENWICK, INC.
 CIVIL & STRUCTURAL ENGINEERS
 LAND SURVEYORS
 3085 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 (217) 546-3400
 PROJECT NUMBER: 08.0129.130 DATE: 02/06/09

FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	05-00183-00-BR	JEFFERSON	23	23
CONTRACT NO. 99361				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		