

Bridge Foundation Boring Log

Project: H-08042 Bridge Over Martin Creek Date: 3-11-08  
Section: 07-00116-00-BR Station .9+96  
Route: CR 7 Bored by: D. Russell  
County: Wayne Checked By: J. Holcomb

Boring No. 1 Station: 10+16 Offset: 8' RT	Elevation	N	Qu tsf	w %	Surface Water Elev.	Ground Water Elev. During Drilling 387.1 Upon Completion plugged	Elevation	N	Qu tsf	w %
Ground Surface 407.1 0					clay (continued)					
2" Oil and Chip/ 6" C. Stone 406.4										
Gray Sandy SILT (A-4)										
		2	0.5B	22			-25	21	6.4B	11
		2	0.4B	23			-5	26	7.2B	11
		1	0.2B	33			-30	26	7.1B	11
		5		25			-10			
402.6										
Brown Mottled Gray Sandy CLAY (A-6)										
		5	1.0S	21			-35	14	4.0B	15
		12	1.4B	18			-15			
		57	5.1S	10			-40	18	2.8B	15
388.1										
Gray Sandy CLAY (A-6)										
		51	5.5S	10			-20			
		25	5.5B	12				19	3.0B	19

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

Bridge Foundation Boring Log

Project: H-08042 Bridge Over Martin Creek Date: 3-11-08  
Section: 07-00116-00-BR Station .9+96  
Route: CR 7 Bored by: D. Russell  
County: Wayne Checked By: J. Holcomb

Boring No. 1 Station: 10+16 Offset: 8' RT	Elevation	N	Qu tsf	w %	Surface Water Elev.	Ground Water Elev. During Drilling 387.1 Upon Completion plugged	Elevation	N	Qu tsf	w %
clay (continued)										
							-45			
							-70			
							358.1			
Gray-Clayey SAND (A-2-4)										
		12	1.7B	28			-50			
							-75			
		15	3.0B	33			-55			
							-80			
348.1										
Gray SHALE										
		100/6"		14			-60			
		100/6"		16			-65			
		100/3"		11			-65			
343.1										
End of Boring @ -64.0'										

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

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

BORING 1

BORINGS  
STRUCTURE NO. 096-3446

<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> <small>CIVIL &amp; STRUCTURAL ENGINEERS  LAND SURVEYORS</small> <b>HLR</b> 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 08 0219.130 DATE: 06/17/09	SHEET NO. 9	C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10 SHEETS	7	07-00116-00-BR	WAYNE	16	15
		FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
				CONTRACT NO. 95589		