

Bridge Foundation Boring Log

Project: H-08274 Bridge on CR 2750 E Date: 12/19/08
Section: 08-15143-00-BR Station 4+89 Bored by: D. Russell
Structure: 096-3220 Checked By: J. Holcomb
County: Wayne

Boring No:	Station:	Offset:	Elevation	N	Qu tsf	w %	Surface Water Elev.	Elevation	N	Qu tsf	w %
1	5+16	0'									
							Ground Water Elev. During Drilling 343.6				
							Upon Completion 350.6				
			381.6	0			clayey sand (continued)				
			381.2								
							357.6				
				24	3.7S	15	Gray Sandy CLAY (A-6)	-25	2	0.9B	37
			377.6								
				13		12	Gray Mottled Brown Sandy CLAY (A-6)	-5	3	1.0S	28
				6	1.7B	22		-30	0	0.7S	34
				7	1.4B	22		-10			
				4	1.3S	25		-35	6	1.0B	27
				2	0.4B	27		-15			
			365.1				342.6				
				5	1.2S	39	Gray Clayey SAND (A-2-4)	-40	2	0.6B	28
				3	1.3S	47		-20			
				2	1.4B	37	Gray Fine to Medium SAND				
							337.6				

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

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Boring No:	Station:	Offset:	Elevation	N	Qu tsf	w %	Surface Water Elev.	Elevation	N	Qu tsf	w %
1	5+16	0'									
							Ground Water Elev. During Drilling 343.6				
							Upon Completion 350.6				
			45.6			22	(A-2-4) continued				
							312.6	100			17
							End of Boring @ -69.0'	-70			
				19		24		-50			
				33		19		-55			
			322.6				Gray Silty CLAY (A-6) to Highly Weathered SHALE	-60	40	3.1B	21
			318.1			16	Gray Mottled Brown SANDSTONE	-65	100		16
								-75			
								-85			
								-80			
								-85			
								-75			
								-70			
								-65			
								-60			
								-55			
								-50			
								-45			

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

BORING 1

BORINGS
STRUCTURE NO. 096-3451

HAMPTON, LENZINI AND RENWICK, INC. <small>CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS</small> HLR 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 217.546.3400 www.hlrengineering.com <small>141.00950 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION</small>	SHEET NO. 9 10 SHEETS	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		622	08-15143-00-BR	WAYNE	14	13
PROJECT NUMBER: 09.0060.130 DATE: 06/22/09		LEECH ROAD DISTRICT		CONTRACT NO. 95607		
		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		