



SOIL BORING LOG

ROUTE FAI 57 (I-57) DESCRIPTION Overhead Sign Truss LOGGED BY E. Sandschafer

SECTION D7 ITS 2014 LOCATION SE, SEC. 10, TWP. 6 N, RNG. 5 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. <u>7S025I057R148.4</u>	D	B	U	M	Surface Water Elev. <u>N/A</u> ft	D	B	U	M
Station _____	E	L	C	O	Stream Bed Elev. <u>N/A</u> ft	E	L	C	O
BORING NO. <u>1 (Median)</u>	P	W	S	Q	Groundwater Elev.:	T	W	S	Q
Station <u>4500+00</u>	H	S	Qu	T	▼ First Encounter <u>Dry</u> ft	H	S	Qu	T
Offset <u>10.0ft Rt</u>	(ft)	/6"	(tsf)	(%)	▼ Upon Completion <u>85.9</u> ft	(ft)	/6"	(tsf)	(%)
Ground Surface Elev. <u>95.43</u> ft					▼ After <u>24</u> Hrs. <u>91.4</u> ft				

3" topsoil. <u>95.13</u>									
Very stiff, damp, brown, CLAY LOAM.									
	6								
	6	2.68	20						
	8	B							
▼ <u>90.93</u>									
Medium, damp, brown marbled gray, SILTY CLAY.									
	3								
	4	0.78	19						
	4	B							
<u>88.43</u>									
Very stiff, damp, brown/gray/black, CLAY LOAM.									
	3								
	4	2.47	19						
	5	B							
▼ <u>85.93</u>									
Stiff, damp, brown, SANDY CLAY.									
	7								
<u>85.43</u> -10									
Brown, very sandy, CLAY SHALE, pokerchipped.									
	31	1.81	22						
	42	B							
<u>83.43</u>									
Very dense, moist, brown to gray, SANDSTONE. Samples pokerchipped.									
	8								
	30		14						
	50/4"								
	50/4"								
	50/1"		13						
	50/0"								
	50/0"								
<u>77.93</u>									
Extent of exploration.									
	50/4"		14						
	50/1"								
	50/1"								
Benchmark: Centerline of NB I-57, Sta 4500+00, assumed elevation = 100.00'.									
	-20								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name S:\NEW GEOTECHNICAL\GINTDATA\PROJECTS\EFFINGHAM CO (025)\025-0000 SOIL 2013 OH SIGN TRUSS.GPJ Date Template 06TEMPLT.GDT Date Printed 11/18/13 Latitude W 88 deg 37 min 16.130 sec Longitude N 38 deg 58 min 29.184 sec Datum Job Number



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Station _____	E	L	C	O	Stream Bed Elev. <u>N/A</u> ft	E	L	C	O
BORING NO. <u>2 (E Shldr)</u>	P	W	S	Q	Groundwater Elev.:	T	W	S	Q
Station <u>4500+00</u>	H	S	Qu	T	▼ First Encounter <u>Dry</u> ft	H	S	Qu	T
Offset <u>87.0ft Rt</u>	(ft)	/6"	(tsf)	(%)	▼ Upon Completion <u>Dry</u> ft	(ft)	/6"	(tsf)	(%)
Ground Surface Elev. <u>97.11</u> ft					▼ After <u>24</u> Hrs. <u>92.4</u> ft				

3" topsoil. <u>96.81</u>									
Very stiff, damp, brown, CLAY.									
	4								
	5	2.06	25						
	8	B							
▼ <u>92.61</u>									
Medium, damp, gray marbled brown, CLAY LOAM.									
	3								
	4	0.62	22						
	3	B							
Very soft, brown, SILTY LOAM.									
	3								
<u>90.11</u>									
Stiff, damp, brown/gray/black, SILTY CLAY LOAM.									
	3								
	3	1.38	23						
	4	S							
▼ <u>87.61</u>									
Very stiff, damp, brown marbled gray, SANDY CLAY LOAM TILL.									
	12								
	7	2.23	17						
	11	S							
<u>86.31</u>									
Brown, SANDSTONE.									
	45								
	50/5"		17						
	50/4"								
	50/5"								
	50/2"		23						
	50/0"								
	50/0"								
<u>79.71</u>									
Extent of exploration.									
	50/4"		13						
	50/1"								
	50/0"								
Benchmark: Centerline of NB I-57, Sta 4500+00, assumed elevation = 100.00'.									
	-20								

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FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOG - LOCATION 2 I-57 NB M.P. 148.4 STA. 4500 + 00	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT DATE = 5/22/2014	DRAWN -	REVISED -				D7 ITS 2014	VARIOUS	72	63	
		CHECKED -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 74643		
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					