Illinois Department of Transportation

File Name S.\NEW GEOTECHNICAL\GINTDATA\PROJECTS\EFFINCHAM CO (023\)025-0000 (73028070R80.4 Laftlade W 88 deg 47 min 03.871 sec Longitude N 39 deg 01 min 59.270 sec Datum Job Number SOIL BORING LOG

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Date <u>3/11/14</u>

ROUTE FAI 70 (I-70) DESCRIF	PTION			Messa	ge Boo	ırd Sign Truss — 1—70 EB	LOGGED	BY	<u>E.</u>	<u>Sandsc</u>	hafer	
SECTION D7 ITS 2014 LOCATION SW, SEC. 20, TWP. 7N, RNG. 4E, 3 PM												
OUNTYEffingham DRILLING METHODHollow_ste					tem auger & split spoon HAMMER TYPE Auto 140#							
STRUCT. NO. <u>7S0251070R80.4</u> Station <u>1365+02</u>	_	D E P	B L O	U C S	M 0 1		<u>. </u>	D E P	B L O	U C S	M 0 1	
BORING NO. 1 South Station 1365+02 Offset 58.0ft Rt	<u> </u>	H	W S	Qu	S T		<u>/</u> ft <u>/</u> ft	H	W S	Qu	S T	
Ground Surface Elev. <u>621.00</u> 9.5" asphalt shoulder.	ft	(ft)	/6"	(tsf)	(%)	▼ After <u>72</u> Hrs. <u>616.7</u> Hard, damp, brown, CLAY LOAM		(ft)	/6" 17	(tsf) 6.55	(%) 8	
Soil/aggregate mixture.	620.20 619.70					TILL. (continued)			23	S S		
Stiff, damp, gray, SILTY CLAY.			3			Very dense, damp, gray, fine	599.00		22			
			4	1.48	25	grained, SAND. 9% passing #200 sieve.		_	38		13	
		_	4	В				_	49			
	Ā	-5	4					-25	31			
		_	6 6	1.65 B	25	8% passing #200 sieve. Gray, CLAY LOAM TILL. Pocket	595.40 595.00		38 42		11	
						Penetrometer +4.5 tsf. Extent of exploration.	J 393.00	_				
Medium, damp, brown mottled	614.00		3			Extern or exploration.						
gray, CLAY w/ Silt.			3 3	0.82 B	20	Location: I—70 EB						
	611.50					MP 80.4 1.5 miles West of Altamont						
Medium, damp, brown, LOAM.		-10	3	0.82	24			-30				
			3	В								
Medium, damp, brown marbled	609.00		2					_				
gray, CLAY.		_	3	0.91	20			_				
		_	3	В								
Very soft, very damp, brown,	606.50		2					75				
SILTY LOAM.	605.30		0	0.12 B	23							
Hard, damp, brown, CLAY LOAM TILL.			3	В								
			8									
			15 22	4.80 S	10							
			~~	٦				_				
		<u> </u>	10									

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)

Illinois Department of Transportation

Division of Highways

ROUTE FAI 70 (1-70) DESCRIPTION

SOIL BORING LOG

Page <u>1</u> of <u>1</u>

Date <u>3/11/14</u>

ROUTE <u>FAI 70 (I-70)</u> DESCRIPT	TION		Messa	ge Boa	<u>rd Sign Truss — I—70 EB</u> LOG	SED BY	<u>E. '</u>	<u>Sandscl</u>	<u>nafer</u>	
SECTION <u>D7 ITS 2014</u>	_ LOCATION	_	SW, SE		TWP. 7N, RNG. 4E, 3 PM					
COUNTY <u>Effingham</u> DRIL	LING METHO)	<u>Hol</u>	m auger & split spoon HAMMER TYPE		Auto 140#				
STRUCT. NO. 75025I070R80.4 Station 1365+02 BORING NO. 2 North	D E P T	B L O W	U C S	M 0 1 S	Surface Water Elev. N/A ft Stream Bed Elev. N/A ft Groundwater Elev.:	D E P T	B L O W	U C S	M 0 1 S	
Station 1365+02 Offset 25.0ft Rt Ground Surface Elev. 621.05	_	S /6"	Qu (tsf)	(%)	∑First Encounter	H (ft)	S /6"	Qu (tsf)	T (%)	
9.5" asphalt shoulder.	620.15				Hard, very moist, gray, CLAY LOAM TILL. (continued)		25 29	6.76 S	8	
	619.75	3				_	12			
		4 5	2.47 B	22			17	8.04 B	8	
Ţ		4								
		5 7	2.89 B	27	59	 5.05	17 23	7.42 B	8	
		3			Extent of exploration.	_				
		3 4	1.65 B	29	Location:					
	=				I-70 EB MP 80.4 1.5 miles West of Altamont					
		2 3 5	0.87 B	23						
Medium, damp, gray mottled	609.05	2								
brown, SILTY CLAY.		3 5	0.66 B	18						
Soft, very damp, brown, SANDY	606.55	1								
LOAM.		1 3	0.33 B	20						
Hard, damp, gray, SANDY CLAY	604.05	18	-			<u>-</u>				
LOAM TILL.	$-\frac{1}{4}$	20 26	7.86 S	8						
	601.55	18								

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 =	USER NAME = steffenmk	DESIGNED -	REVISED -		BORING LOG - LOCATION 1 I-70 EB M.P. 80.40 STA. 1365 + 00					F.A.	SECTION	COUNTY TOTA	AL SHEET	
c:\pw_work\pwidot\steffenmk\d0360593\D3	774643-sht-Boring.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS						•	D7 ITS 2014	VARIOUS 72	2 61	
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	1-70 ED WI.F. 00.40 STA. 1303 T 00				,	_		CONTRACT NO.	. 74643	
Default	PLOT DATE = 5/22/2014	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.	ILLINOIS FED. AID PROJECT				
										VARIOUS				

File Name S.\NEW GEOTECHNICAL\GINTDATA\PROJECTS\EFFINGHAM CO (025)\025-0000 (75025)070R80.4 SIGN Lafflude W 88 deg 47 min 04.997 sec Longifude N 39 deg 01 min 58.174 sec Datum Job Number