Illinois Department of Transportation

File Name S.\NEW GEOTECHNICAL\GINTDATA\PROJECTS\LAWRENCE CO (051)\051-0000 SOIL 2013 OH SIGN ' Lafflade W 87 deg 31 min 22.068 sec Longflude N 38 deg 42 min 25.889 sec Datum Job Number SOIL BORING LOG

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

Date <u>10/22/13</u>

ROUTE US 50 DESCRIPTION			Ove	rhead :	<u> Sign Truss - US 50 WB</u> L	.OGGED BY	<u>E.</u>	<u>Sandsc</u>	hafer			
SECTION D7 ITS 2014	OCATIO	N _	SE, SE	C. 9,	TWP. 3 N, RNG. 10 W, 3 PM							
COUNTY Lawrence DRILLIN	NG METHOD <u>Hollow ste</u>				<u>m auger & split spoon</u> HAMMER TYF	ъЕ <u> </u>	Auto 140#					
STRUCT. NO. <u>7S051U050L021.4</u> Station	D E P	B L O	U C S	M 0 1	Surface Water Elev. N/A Stream Bed Elev. N/A	- ft E	L 0	U C S	M O I			
BORING NO. 1 (Median) Station 1058+19 Offset 11.0ft Lt	H	W S	Qu	S T	Groundwater Elev.: □ First Encounter □ Upon Completion □ Dry □ Upon Completion □ Dry	ft	S	Qu	S T			
Ground Surface Elev. 480.98 3" topsoil. 480		/6"	(tsf)	(%)	▼ After <u>24</u> Hrs. <u>472.8</u> Very dense, moist, gray,	. ft (†	f) /6" 50/0"	(tsf)	(%)			
Brown, CLAY.					SANDSTONE. Sample pokkerchipped and powder. (continued)		50/0"					
Loose, damp, gray, SANDY LOAM. Sample pokerchipped and powdered, unable to test.	<u> </u>	12 5 4		14	Extent of exploration.	458.58	50/3" 50/1" 50/1"		7			
Medium, damp, gray, SILTY	<u>48</u>	1			Benchmark: Brass tablet on NW	_ 	25					
LOAM.		1 2	0.58 B	20	corner of WB US 50 bridge over the Wabash River (Indiana Dept of Transportation) = 468.60' elevation.	_						
Stiff, damp, gray, SILTY CLAY.	98 	2 2 3	1.03	18	(Proposed location (Sta 1058+19) is 522' W of WB US 50 bridge West Abutment joint.)	_ _						
471	48		В		US 50 WB Mile Marker 21.40	_						
Stiff, damp, gray marbled brown, CLAY.		5 8	1.15 B	23		_ <u>-</u>	30					
Stiff, damp, gray marbled brown, SANDY CLAY LOAM.	98 —	10	1.84	17		_						
	_	17	S S	17		<u> </u>						
Very stiff, damp, brown, SILTY CLAY LOAM TILL.	<u>48</u> 1:	8 13 38	2.76 S	15		<u>.</u> =	35					
Very dense, very moist, gray,	98	50/5"										
SANDY CLAY SHALE. Sample pokerchipped and powdered, unable to test.		50/1" 50/1"		7								
461	<u>48</u>	50/2		8			40					

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

SOIL BORING LOG

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

Date <u>10/22/13</u>

ROUTE US 50 DESCR	IPTION		Over	head S	Sign Truss - US 50 WB	LOGGED	BY <u>E.</u>	<u>Sandscl</u>	<u>nafer</u>
SECTION D7 ITS 2014	LOCATION		SE, SE	C. 9, T	WP. 3 N, RNG. 10 W, 3 PM				
COUNTY Lawrence DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE								140#	
STRUCT. NO. 7S051U050L021. Station 2 (N Shldr)	4 D E P T	B L O W	U C S	M 0 1 S	Surface Water Elev. N/A Stream Bed Elev. N/A Groundwater Elev.:	_ ft	D B L P O T W	U C S	M 0 1 S
Station 2 (N 311dr) Offset 82.0ft Lt Ground Surface Elev. 480.57	H (ft)	S /6"	Qu (tsf)	T	∑First EncounterDry	ft ft	H S (ft) /6"	Qu (tsf)	T (%)
2" topsoil. Brown, CLAY.	480.37	•	. ,		Very dense, very moist, gray, SANDY CLAY SHALE. Samples pokerchipped and powder.	<u>- '' </u>	50/1" 50/0"	` /	
Very stiff, damp, gray, SILTY CLAY	478.57	5 4 3	3.09 B	17	Extent of exploration.	<u>458.17</u>	50/4" 50/1" 50/0"		7
Very stiff to stiff, damp, gray, CLA	476.07 AY	3	2.06	19		-			
	_	4	B B	19	Benchmark: Brass tablet on NW corner of WB US 50 bridge over the Wabash River (Indiana Dept of Transportation) = 468.60' elevation.	-			
		2 2 4	1.65 B	22	(Proposed location (Sta 1058+19) is 522' W of WB US 50 bridge West Abutment joint.)	-			
Stiff, damp, brown marbled gray, SILTY CLAY LOAM.	471.07	3 5 8	2.27 B	17	US 50 WB Mile Marker 21.40	- -			
	=	5	1.93	20		- -			
	466.07	18	S			-			
Very stiff, damp, brown, SANDY CLAY LOAM.		12 19 30	2.75 PP	11		-	<u>-35</u>		
Very dense, very moist, brown, SANDY CLAY SHALE.		50/4"		12		-			
	<u> </u>	50/1" 50/1" 50/1"				-			
	460.57 –20	50/2"		9					

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)

ILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -			R	ORING L	nc –	LOCATI	ON 6		F.A.	SECTION	COUNTY	TOTAL	SHEET
:\pw_work\pwidot\steffenmk\d0360593\D7	74643-sht-Boring.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS		_					n	•	D7 ITS 2014	VARIOUS	72	71
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	US 50 WB M.P. 21.40 STA. 1058 + 00									CONTRACT	T NO.	74643
efault	PLOT DATE = 5/22/2014	DATE -	REVISED -		SCALE:	SHEET	0F	SHE	ETS STA		TO STA.					

File Name S.\NEW GEOTECHNICAL\GINTDATA\PROJECTS\LAWRENCE CO (051)\051-0000 SOIL 2013 OH SIGN TRUSS.GPJ Data Laftlade W 87 deg 31 min 22.123 sec Langitude N 38 deg 42 min 26.123 sec Datum Job Number