Illinois Department of Transportation Division of Highways ILLINOIS DOT

GEOTECHNICAL\GINTDATA\PROJECTS\WABASH CO (093)\093-0000 SOIL 45.791 min Longitude N 38 deg 24.431 min Datum Job Number

File Name S:\NEW Latitude W 87 deg

SOIL BORING LOG

Page $\underline{1}$ of $\underline{1}$

Date <u>8/5/11</u>

ROUTE <u>FAP 827 (IL 1)</u> DESCRIPTION		Tr	affic S	Signal I	Foundations — Mt Carmel, IL LOG	GED BY	<u>E.</u>	<u>Sandsc</u>	hafer
SECTION (103,104)RS-1,(12Z)RS-2 LOCATION NE 1/4, SEC. 29, TWP. 1 S, RNG. 12 W, 3 PM									
COUNTY Wabash DRILLING METHOD Hollow ste					tem auger & split spoon HAMMER TYPE Auto 140#				
STRUCT. NO. N/A Station 093-0000 soil 2011	D E P	B L O W	U C S	M 0 1 S	Surface Water Elev. N/A ft Stream Bed Elev. N/A ft	D E P T	B L O	U C S	M 0 - S
BORING NO. 5 SE 3rd & Walnut Station 69+51 Offset 57.0ft E of Walnut St CL	Н	S	Qu	Т	Groundwater Elev.: □ First Encounter	Н	S	Qu	Т
Ground Surface Elev. 424.41 ft 3.75" asphalt on 9" concrete payement.	(ft) 	/6"	(tsf)	(%)	▼After 24 Hrs. 420.9 ft Medium, damp, gray, CLAY LOAM. (continued)	(ft)	2	(tsf) 0.8	(%)
Medium, damp, dark gray, SILTY CLAY.					40)2.41	2	В	-
Y		1 1	0.8 B	26	Stiff, damp, gray, SANDY LOAM.		18 18 10	1.2 S	16
₩ 419.91		1				9.91	14		
marbled brown, CLAY.		2 2	1.0 B	27	Soft to medium, damp, gray, SANDY LOAM.		20 36	0.5 S	18
Soft to medium, damp, gray marbled brown, SILTY CLAY LOAM.		1 1 1	0.5 B	27	Very dense, wet, brown, fine grained, SAND. 3% passing #200 sieve.	7.41	34 50/5" 50/3",	·	23
Very soft, very damp, reddish		0			9% passing #200 sieve.		50/4"	-	
brown/gray/brown, SILTY LOAM.		1	0.1 B	37	Extent of exploration.	4.21	50/2" 50/2"		
		0 1 1	0.5 B	37	Benchmark: Traverse Point in SW corner of 3rd & Walnut = 425.35' elevation. Provided by Program Development.				
	 15	0 1 1	0.4 B	28			5		
Soft, damp, gray, SILTY CLAY.		1 1 1	0.3 B	25					
404.91 Medium, damp, gray, CLAY LOAM.	-20	1							

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)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CEOTECHNICAL\GINTDATA\PROJECTS\WABASH CO (993)\093-0000 SOIL 45.818 min Longitude N 38 deg 24.428 min Datum Job Number

File Name S:\NEW (Latitude W 87 deg

3rd BOR

Illinois Department of Transportation

Division of Highways ILLINOIS DOT

 3rd & WALNUT STREET
 F.A.P. RTE.
 SECTION
 COUNTY SHEETS
 SHEETS NO.

 BORING LOGS #5 & #6
 827 (103,104)RS-1,(12Z)RS-2
 WABASH 44 43
 CONTRACT NO. 74449

 SHEET NO. OF SHEETS STA. TO STA.
 ILLLINOIS FED. AID PROJECT

SOIL BORING LOG

Date <u>8/4/11</u>

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ROUTE	FAP 827 (IL 1) DESCRI	PTION	Tr	affic S	Signal I	Foundations — Mt Carmel, IL	LOGGED	BY	<u>E.</u>	<u>Sandsc</u>	hafer
SECTION	_(103,104)RS-1,(12Z)RS-	-2 LOCATION	_	NE 1/-	4, SEC.	. 29, TWP. 1 S, RNG. 12 W, 3 PM					
COUNTY	<u>Wabash</u> DF	RILLING METHO	D	Hol	low ste	em auger & split spoon HAMMER T	YPE .		Auto	140#	
STRUCT. Station	NO. N/A 093-0000 soil 20	P	B L O	U C S	M 0 1	Surface Water Elev. N/A Stream Bed Elev. N/A	ft ft	D E P	B L O	U C S	M 0 1
BORING N Station Offset	69+19 70.0ft W of Walnut S	<u>† CL</u> (11)	W S	Qu	S T	Groundwater Elev.: □ First Encounter 395.3 □ Upon Completion 411.8	ft	H	W S	Qu	S T
	Surface Elev. 424.76 phalt on 7.25" concrete	ft (ft)	/6"	(tsf)	(%)	▼After <u>24</u> Hrs. <u>419.8</u> Medium damp, gray, SILTY CLAY.	ft	(ft)	/6" 2	(tsf) 0.6	(%)
navement	damp, brown, SANDY	423.86							3	В	
			2	0.9	19	Medium to stiff, damp, gray, SILTY CLAY LOAM.	402.76		1 2	1.0	19
			2	В					2	В	
Very soft SILTY LOA	, damp, tan/gray/brown, AM.	<u>420.26</u>	0	0.1	26	Medium to stiff, damp, gray, CLAY	400.26	-25	0	1.0	25
			1	В					2	В	
			1 2	0.3	25	Stiff, damp, bluish gray, CLAY	397.76		1 3	1.5	17
		-	2	B	23			_	5	1.3 B	17
Medium 1	o stiff, damp, gray, SILTY	415.26	2			Very soft, damp, bluish gray, SANDY LOAM. Sand in augers,	395.26	-30	4		
CLAT.			3 2	1.0 B	23	stopped drilling. Extent of exploration.	393.76		9 11	0.2 PP	20
Stiff to r	nedium, damp, brown,	412.76	1								
small wo	ganic, SILTY LOAM w/ od pieces, lightweight.		2	1.1 B	49	Benchmark: Traverse Point in SW corner of 3rd & Walnut = 425.35		_			
		 	1			elevation. Provided by Program Development.		-35			
			2 2	1.2 B	66						
			1					_			
			2 2	0.9 B	41						
		404.76 –20	1					 -40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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