Illinois Department of Transportation Division of Highways Geotechnology, Inc

SOIL BORING LOG

Page <u>1</u> of <u>2</u>

Date <u>3/22/10</u>

ROUTE	FAP 998	_ DESCRIPTION	***************************************	Trilevel Interchange	LOGGED BY	RFW
SECTION	82-1	LOCATION	ON <u>East S</u>	St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W		
COUNTY	St. Clair DRIL	LING METHOD	H	ollow Stem Auger HAMMER TYPE	CME 750)	<u>/ 73%</u>
-	SB 68+75.00	D B E L P O T W	U M C O S I S	Surface Water Elev. Unknown to Stream Bed Elev. Unknown		U M C O S I S
Station	ST- 1 68+75 ace Elev. 435.87	_ H S	Qu T	Groundwater Elev.: First Encounter	ft H S	Qu T (tsf) (%)
	n, CLAY (FILL), with	# (1) (/ 0 /	/ (131) (76)	Brown to gray, SANDY LOAM (FILL), with brick and gravel	- (17)(70)	(151) (70)
Brown, CLAY I	LOAM (FILL), with	434.37 3 4	27	fragments (continued) Grain Size Distribution Conducted	8 10 11	0.5 18
				Brick and concrete rubble (FILL)	412.87	
		2 -5 3	1.5 28	-	50/0"	
				Medium stiff, grayish brown,	410.37	
		3 4	1.0 17		2 3	0.6 31
				Stiff, brown and gray, SILTY	407.87 2	
		5 -10 7	1.1 18	- 	2 	1.3 23
		424.37 5				
Frown to gray (FILL), with but fragments	y, SANDY LOAM rick and gravel	7	15	Medium dense, brown, FINE GRAINED SAND, with silt	403.87	
Grain Slze Dis	stribution Conducted	5 5	1.1 16	Grain Size Distribution Conducted	6 6	
		7	1,1	_		
		4	1 17	-	_	
		10		-		
		6	0.9 17		7	
		11			11	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

* Rimac not measured due to sample disturbance
** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

FILE NAME :	USER NAME = mmoconachie	DESIGNED -	AECOM	REVISED -
D8TRI-76C52-sht-truss-details-SOIL_BORING	dgn	DRAWN -	PMK	REVISED -
	PLOT SCALE = 3.1676 ' / in.	CHECKED -	MPW	REVISED -
	PLOT DATE = 1/19/2012	DATE -	1-20-12	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

Date	3/22/10

(PP)	Illinois Depart of Transport	rtment			(SOIL BORIN	c l 0 c	Page	<u>2</u> of <u>2</u>	
	OT Iransport Division of Highways Geotechnology, Inc	ation			,	SUIL DURIN	Date _	3/22/10		
ROUTE	FAP 998	DESCRIP	TION	***************************************		Trilevel Interchanc	<u>1</u> e	LOGGED BY	RFW	
SECTION	82-1		LOCATIO	Ν _	East S	t. Louis, IL, SEC. 7, TW	/P. 2N, RNG. 9W			
COUNTY	St. Clair DRI	LLING METH	OD .		Но	llow Stem Auger	HAMMER TYPE	CME_750X	/ 73%	
STRUCT. NO. Station	8S082I055L003.2 SB 68+75.00	D E P	B L O	D 0 N	M 0 1	Surface Water Elev. Stream Bed Elev.	<u>Unknown</u> ft <u>Unknown</u> ft			
	ST1 68+75 ce Elev435.87	T H (ft)	W S (/6")	Qu (tsf)	S T (%)	Groundwater Elev.: First Encounter Upon Completion After Hrs.	** ft			
Medium dense, GRAINED SAND, (continued)	brown, FINE									
		390.87 -45	7 11							
End of Boring										
			-							
			-							
		50	0							
			5							
			-							
			-							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

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BBS, from 137 (Rev. 8-99)

										F.A.I. SECTION			COUNTY	TOTAL	SHEE NO.	
SOIL BORING								•	82-1-R(A), 82-1-R(I	B)	ST. CLAIR	629	437		
	,									•64/9	98/70			CONTRACT	NO.	76C52
SCALE: NA	SHEET	NO.	5 (OF 6	SHEETS	STA.	NA	TO STA.		FED. ROA	AD DIST. NO.	ILLINOIS	FED. AIC	PROJECT		