## Illinois Department of Transportation Division of Highways Geotechnology, Inc

## SOIL BORING LOG

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Date <u>3/24/10</u>

ROUTE	FAP 998	DESCRIPTION	Trilevel Interchange		_ LOGGED BY	RFW
SECTION	82-1	LOCATION	East S	t. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W		
COUNTY	St. Clair DR	ILLING METHOD	HSA w	rith MR below 25 ft HAMMER TYPE	CME 750	X / 73%
Offset	SB 120+97.00	D B E L P O T W H S	U M C O S I S T (tsf) (%)	Surface Water Elev. Unknown for Stream Bed Elev. Unknown for Groundwater Elev.:  First Encounter ** for Upon Completion ** for After Hrs. ** for Stream First First Encounter ** for After Hrs. ** for Stream First Encounter Elev.	F E L P O T W H S	U M C O S I S Qu T (tsf) (%)
Asphalt — 4 Gravel (FILL and rubble	4 inches ), with sand, cinders, own, SILTY CLAY	7 415.38 414.88 — 3 — 3 — 5 — 6	19	Soft to medium stiff, brown, SILT (continued)	0 1 1	33
Soft to med	dium stiff, brown, SILT	412.68 — 3 — 3 — 3 — 5 3	18		0 0 -25	0.6 34 B
		2 2 3	18		0 0	0.6 33 B
		1 2 -10 2	19	Medium stiff, gray, CLAY	86.68 0 -30 1	0.9 45 B
Grain Size (	Distribution Conducted	1 2 2	20			
		2 3 15 	19	Soft, gray, SILTY LOAM	- 0 - 1 -35 2	1.1 28 B
		1 2	0.7 31 B			
		2 2 -20 3	0.4 34 B	Grain Size Distribution Conducted	1 1 -40 2	

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 = DESIGNED -AECOM REVISED D8TRI-76C52-sht-t-uss-details-S01L\_B0RIN DRAWN РМК REVISED \_OT SCALE = 3.1676 '/ in. CHECKED MPW REVISED DATE OT DATE .= 1/19/2012 1-20-12 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

SOIL BORING SHEET NO. 1 OF 6 SHEETS STA. NA TO STA. NA

COUNTY | TOTAL | SHEET | NO. |
ST. CLAIR | 629 | 433 | CONTRACT | NO. | 76C52

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SOIL BORING LOG

ROUTE	FAP 998	DESCRIPTION	Trilevel Inter	LOGGED BY RFW			
SECTION	82-1	LOCATIO	N <u>East St. Louis, IL, SEC.</u>	East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W			
COUNTY	St. Clair DF	RILLING METHOD	HSA with MR below 25	ft HAMMER TYPE	CME_750X / 73%		
STRUCT. NO. Station	8C082I055R002.2 SB 120+97.00	D B E L P O	U M Surface Water E C O Stream Bed El				
BORING NO. Station Offset	ST-10 Mile Marker 2.2	T W H S	Qu T Groundwater Ele First Encounter Upon Completi	on ** ft	†		
Ground Surf Soft, gray, SI	ace Elev. <u>415.68</u>	ft (ft) (/6")	(tsf) (%) After	Hrs. ** ff	<u> </u>		
(continued)							
	CANDY LOAN	373.68					
Loose, gray,	SANDY LOAM						
		370 68 -45 5					
End of Boring	9	370.68 -45 5					
ı				•			
		<u>-</u> -55					
		_					

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

SCALE: NA

BBS, from 137 (Rev. 8-99)

SECTION

82-1-R(A), 82-1-R(B)

F.A.I. RTE.

•64/998/70