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Illinois Depa of Transpor	rtment tation		SOIL BORING LOG	Page Date	1 of 3
ROUTE FAP 998	DESCRIPTION		Trilevel Interchange		BEC
		ION Fast	St. Louis, IL, SEC. 12, TWP. 2N, RNG. 10W	-	
COUNTY St. Clair DF			A and Mud Rotary HAMMER TYPE		ic Hammer
STRUCT. NO. 082-0322 Station NA BORING NO. B- 4 Station 55+50 Offset 79,50ft Left Ground Surface Elev. 421.60 Soff to medium stiff, brown, CLAY with asphalt, brick/concerts CLAY	T (ff) (/6'	U M C O S I S S Qu T T") (tsf) (%)	Surface Water Elev.	E L P O T W H S	U M C O S I S Qu T (tsf) (%)
fragments, gravel/crushed limestone, cinders (FILL)	5 4 3	* 16	COAM See Attached Gradation Test Results 3	6 7 7 7	*
	2 	* 28	Medium dense, brown, FINE GRAINED SAND with sill ⊕ 28'-55' and layer of brown, MEDIUM GRAINED SAND ⊕ 43'-45' and laminations of black organic material and Fe staining	2 3 -25 6	
	1	* 7	© 53'-55'	7 9 9	
Medium stiff, brown, SILTY CLAY	412.60 2 2 411.60 -10 4	1.8 29 S	See Attached Gradation Test Results	5 7 -30 8	
Soft, brown, SILTY LOAM	2 2 2 2	0.3 25 P			
Loose, brown, FINE GRAINED SAND	408.60 407.60 3			- 6	
Soft, brown, CLAY LOAM	2 -15 2 406.10	*		8 10	
Loose, brown, SANDY LOAM Loose, brown, FINE GRAINED	3 404.60 3 5	*		- 6 7	
SAND with layer of brown, silt @ 19' Start mud rotary drilling @20'	4 3			9	
	5		1		

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)

St. Clair DRILLING METHOD HSA and Mud Rotary 082-0322 NA STRUCT, NO. Surface Water Elev. ____Unknown__f Groundwater Elev.: First Encounter BORING NO. Station 55+50
Offset 79.50ff Left
Ground Surface Elev. 421.60
Medium dense, brown, FINE
GRAINED SAND with silt ©
28'-35' and layer of brown,
MEDIUM GRAINED SAND ©
43'-45' and laminations of black
organic material and Fe staining
© 53'-55' (continued) Upon Completion
After __** Hrs. (ft) (/6") (†sf) (%) (ft) (/6") (tsf) (%) Medium dense to very dense, gray, FINE GRAINED SAND (continued) See Attached Gradation Test Medium dense, gray, MEDIUM GRAINED SAND with fragments of light brown, highly weathered limestone -70 Medium dense, gray, FINE to MEDIUM GRAINED SAND

SOIL BORING LOG

Trilevel Interchange

LOCATION <u>East St. Louis, IL, SEC. 12, TWP. 2N, RNG. 10W</u>

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

Medium dense to very dense gray, FINE GRAINED SAND

Illinois Department

___ DESCRIPTION

of Transportation

82-1

FAP 998

BBS, from 137 (Rev. 8-99)

Page $\underline{2}$ of $\underline{3}$

Date <u>10/18/00</u>

LOGGED BY BEC

Illinois Department of Transportation

Division of Highways
Geotechnology, Inc. ROUTE FAP 998 DESCRIPTION

SECTION

SOIL BORING LOG

Trilevel Interchange

Page $\underline{3}$ of $\underline{3}$

Date <u>10/18/00</u>

Automatic Hammer

S Qu

(ft) (/6") (tsf) (%)

LOGGED BY LOCATION <u>East St. Louis, IL, SEC. 12, TWP. 2N, RNG. 10W</u>

St. Clair DRILLING METHOD HSA and Mud Rotary HAMMER TYPE Surface Water Elev. Stream Bed Elev. STRUCT, NO. 082-0322 NA <u>Unknown</u> ft

Groundwater Elev.: First Encounter BORING NO. B- 4 55+50 Station Offset 79.50ff Left
Ground Surface Elev. 421.60

Medium dense, groy, MEDIUM
GRAINED SAND with fragments
of light gray, highly weathered
limestone (continued) Upon Completion
After __**_ Hrs. (ft) (/6") (tsf) (%) Medium dense to dense, gray, FINE to COARSE GRAINED SAND with lenses of light gray, weathered limestone (continued)

Medium dense to dense, gray, FINE to COARSE GRAINED SAND with lenses of light gray, weathered limestone

End of Boring 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)

BBS, from 137 (Rev. 8-99)

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

AECOM

DESIGNED - ATB REVISED DRAWN REVISED LOT SCALE = 0:2 ':" / in. CHECKED REVISED 03/18/2011 REVISED DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

BORING LOGS - I - S.N. 082-0325 I-70W OVER I-55, CSX & KCS RAILROADS SCALE: NONE SHEET NO. S-131 OF S-138 SHEETS STA.

COUNTY TOTAL SHEETS NO. SECTION ST. CLAIR 319 246 82-1-B-1 70 S.N. 082-0323 & S.N. 082-0325 | CONTRACT NO. 76C75 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT