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(43)	Illinois Depart of Transporta	ment		,		_	Page	<u>1</u> of .
(A)	Division of Highways	tion		,	SOIL BORING LO	G	Date	4/13/0
DOUTE	Geolechnology, Inc	DECODIDEION			7.9			
ROUTE	FAP 998	DESCRIPTION			Trilevel Interchange	L	IGGED BI	LAH
SECTION	82-1	LOCATI	ON _	East St	Louis, IL, SEC. 7, TWP. 2N, RNO	G. 9W		
COUNTY _	St. Clair DRILL	ING METHOD			HSA with MR HAMME	R TYPE	CME 750)	(/ 73%
STRUCT. NO.	082-0323 / 082-0325 NA	D B E L P 0	UCS	. O	Surface Water Elev. Stream Bed Elev.	ft	D B E L P O	U M C O S I
BORING NO.	8-417	T W	3	S	Groundwater Elev.:		TW	s
Station _	79+9.07	_ H S	Qu	T	First Encounter	** ff	H S	Qu T
Offset Ground Sur	33.28ft Left rface Elev. <u>421.00</u>	_ ft (ft) (/6"	(tsf)	(%)	Upon Completion After Hrs	** ft ** ft	(ff) (/6")	(tsf) (%)
Brown gray,	inches thick SILTY CLAY (FILL),	20.80			Loose, gray, FINE GRAINED SAND, with silt (continued)			
with cinders		+					6	27
			.				4	-
		3			See attached grain size		- 4	
		2		27	distribution		2	33
		_5 5	+				-25 3	
		6		20			5	42
Stiff, gray,	CLAY	114.00		20			3	""
					4.1			1.5
		12.00					- 1	
Very stiff, g	iray, SILTY CLAY	3	2.2	11			2	
		₋₁₀ 5	S		very loose		20 2	
Loose, gray,	FINE GRAINED	110.50			101) 10000			
SAND, with	silt	3	↓	15				
		3		15	Medium dense, gray, MEDIUM	389.00		
1			1		GRAINED SAND, trace gravel			
		- 1			See attached grain size		14	
		3	+	26	distribution		12	
		₋₁₅ 5	1	L			-35 11	
							-	
		4						
		5		25	Loose to medium dense, gray,	384.00		
1.5			+	-	FINE GRAINED SAND		+	
		3	+	28			7 3	
		-20 3					-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)

Illinois Department of Transportation Page <u>2</u> of <u>3</u> SOIL BORING LOG Date <u>4/13/09</u> FAP 998 _____ DESCRIPTION LOGGED BY LAH 82-1 LOCATION <u>East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W</u> St. Clair DRILLING METHOD COUNTY HSA with MR HAMMER TYPE CME 750X / 73% STRUCT. NO. <u>082-0323 / 082-0325</u> Station NA Surface Water Elev. B-417 79+9.07 33.28ft Left BORING NO. Groundwater Elev.: First Encounter
Upon Completion
After ____ Hrs. Ground Surface Elev. 421.00

Loose to medium dense, gray,
FINE GRAINED SAND (ft) (/6") (tsf) (%) Medium dense to dense, gray, FINE TO MEDIUM GRAINED SAND, with silt (continued) Medium dense, gray, MEDIUM GRAINED SAND Medium stiff, gray, CLAY Stiff, gray, SILTY LOAM Medium dense to dense, gray, MEDIUM GRAINED SAND, trace gravel Medium dense to dense, gray, FINE TO MEDIUM GRAINED SAND, with siit

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (8-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)

Page <u>3</u> of <u>3</u> Illinois Department SOIL BORING LOG of Transportation Date <u>4/13/09</u> Trilevel Interchange LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W St. Clair DRILLING METHOD COUNTY HAMMER TYPE CME 750X / 73% STRUCT, NO. <u>082-0323 / 082-0325</u> Surface Water Elev. Groundwater Elev.: First Encounter
Upon Completion
After ____ Hrs. (ft) (/6") (tsf) (%) After Hrs.

Medium dense to dense, gray
MEDIUM GRAINED SAND, trace
gravel (continued) Medium dense to dense, gray, MEDIUM GRAINED SAND, trace gravel (continued) End of Boring

The Unconfined Compressive Strength (UCS) Foilure 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)

A	C	0	1
-	 _	_	 -

USER NAME = BhattA	DESIGNED - ATB	REVISED -
	DRAWN - MK	REVISED -
PLOT SCALE = 0:2 /:" / in.	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE - 03/18/2011	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

	BORING		LOGS - I - S.		.N. 082–0323		
ı	-70W	OVER	I-55, C	SX &	KCS	RAILROADS	
SCALE: NONE	SHEET	NO. S-12	7 OF S-138	SHEETS	STA.	TO STA.	