BORING LOG: B-411 (1 of 3)

BORING LOG: B-411 (2 of 3)

BORING LOG: B-411 (3 of 3)

(T) Illinois Depa	rtment			(SOIL BORING L	00	Pi	age -	1 0	of <u>3</u>
Illinois Depa of Transport Division of Highweys Geotechnology, Inc	ration				SOIL BURING L	.00	D	ate	4/9	0/09
ROUTE FAP 998					Trilevel Interchange		LOGGED B	Y	LA	·H
SECTION 82-1		LOCATIO	N.	East SI	Louis, IL, SEC. 7, TWP. 2N,	RNG. 9W				
COUNTY St. Clair DR	ILLING METH	IOD		-	HSA with MR HAI	MMER TYPE	СМЕ	75	/ 80	0%
STRUCT. NO. 082-0324 Station NA BORING NO. B-411 Station 61+56.06 Offset 22.36ft Left Ground Surface Elev. 392.30	D E P T H	B L O W S	U C S Qu (tsf)	M 0 - S T (%)	Stream Bed Elev. U Groundwater Elev.: First Encounter Upon Completion After Hrs.	** ft ** ft ** ft	E P T	B L O W S	U C S Qu (tsf)	M 0 1 S T (%)
TOPSOIL — 6 INCHES Stiff to medium stiff, grayish brown, SILTY LOAM	391.80	- - 5			Medium dense, gray, MEDIUM GRAINED SAND (continued)			6	-	
		7 6	0.2 S	19				9 10		
		2 3 4	0.4 S	23	Medium dense, gray, FINE GRAINED SAND See attached grain size distribution	369.		7 6 7		
Loose to medium dense, brown, FINE GRAINED SAND	386.80	3 5 4						5 8 8		30
		3 3 0 3						6 9 9		
See attached grain size distribution		4 5 7		19						18
Medium dense, brown, MEDIUM GRAINED SAND	379.30	3 5						9		2
Medium sliff, gray, CLAY	376.80	2 2	0,6	49			-35	10		5
Medium dense, gray, MEDIUM GRAINED SAND	374,30	5 4	\$					7		
		7 10					-40	9		

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)

HIP TO THE PROPERTY OF	. 1						Page	2,	of <u>3</u>
of Transportation	MT I		(SOIL BORING	LOG		dge	·	
Illinois Department of Transportation							Date	4/9	9/09
ROUTE FAP 998 DESC				Trilevel Interchange		LOGGED	BY		NHH
SECTION 82-1	_ LOCATIO	N <u>E</u> a	ıst St	Louis, IL, SEC. 7, TWP.	2N, RNG. 9W	. :			
COUNTY St. Clair DRILLING M	ETHOD			HSA with MR	HAMMER TYPE	<u>C</u>	ME 75	/ 8	0%
STRUCT. NO. <u>082-0324</u> Station NA	D B E L P O	U C S	M O 1	Surface Water Elev Stream Bed Elev	Unknown ff Unknown ff	D E P	B L O	U C S	M 0
BORING NO. B-411 Station 61+56.06 Offset 22.36ft Left	T W H S	Qu	S T	Groundwater Elev.: First Encounter	** #	T H	W S	Qu	S T
Ground Surface Elev. 392.30 ft	(ft) (/6")	(tsf)	(%)	After Hrs	** ft	(ft)	(/6")	(tsf)	(%)
Medium dense, gray, FINE GRAINED SAND (continued)				Medium dense, gray, MEI GRAINED SAND (continued))	_			
					330	30			
•				Medium dense, gray, FIN GRAINED SAND	Ε				
							10		
	32		\dashv				14		
very dense	_45 26					-65	11		
-				Medium dense, gray, MEI	325 DIUM	30			
				GRAINED SAND					
See attached grain size	12						·10		
	-50 14					<u>-70</u>			
	_					_			
	-				320	.30			.
				Dense, gray, COARSE GRA SAND	AINED				
	10			4		_			
	12								
•	-55 13					75			
						-			
Medium dense, gray, MEDIUM	_	.							
GRAINED SAND	_								
	22					-	15 21		
	-60 7					-80			

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 (AASH10 1206)
* Rimac not measured due to sample disturbance
** Not measured due to drilling methods used

Illinois Department of Transportation

Division of Highways
Geotechnology, Inc. FAP 998 DESCRIPTION Trilevel Interchange

SOIL BORING LOG

Page <u>3</u> of <u>3</u>

Date <u>4/9/09</u> LOGGED BY LAH

SECTION	82-1	l	LOCATIO	N _	East St	Louis, IL, SEC. 7, TW	P. 2N, RNG. 9W	
COUNTY	St. Clair DRILLING	METHO	DD			HSA with MR	HAMMER TYPE	CME 75 / 80%
STRUCT. NO. Station	082-0324 NA	D E P	B L O	U C S	M 0 -	Surface Water Elev. Stream Bed Elev.	Unknown ft	
BORING NO. Station Offset Ground Surfe	B-411 61+56.06 22.36ft Left ace Elev. 392.30 ft	H (ft)	W S (/6")	Qu (tsf)	S T (%)	Groundwater Elev.: First Encounter Upon Completion After Hrs.	** ft	

Gravel, cobbles, and boulders

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 1206)

* Rimac not measured due to sample disturbance

** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

AECOM

USER NAME =	DESIGNED	-	PJL	REVISED		_
	DRAWN	-	BRD	REVISED		
PLOT SCALE = 0:2 'F' / IN.	CHECKED	-	DDB	REVISED	_	
PLOT DATE = 6/27/2011	DATE	-	07-01-11	REVISED	**	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

BORING LOGS XXX	F.A.I. SECTION COUNTY SHEETS	NO.
I-70E OVER I-55. CSX & KCS RAILROADS	70 82-1-B-2 ST. CLAIR 399	346
	S.N. 082-0322 & S.N. 082-0324 CONTRACT NO. 76	C76
CALE. SHEET 5-219 OF 5-234 SHEETS STA TO STA	EED BOAD DIST NO. THE INDIS EED AID BROJECT	