## BORING LOG: B-410 (1 of 3)

## BORING LOG: B-410 (2 of 3)

## BORING LOG: B-410 (3 of 3)

(P)	Illinois Depart of Transports	ment			SOIL BORING	100		Page	_1	of <u>3</u>
(A)	Division of Highways Geotechnology, Inc	HIOH			SOL BOWING	LOG		Date	2/1	18/09
ROUTE	FAP 998	DESCRIPTIO	)N _		Trilevel Interchange		LOGGED	BY	I	W
SECTION	82-1	LO	CATION	East S	St. Louis, IL, SEC. 7, TWP.	2N, RNG. 9W	····			
COUNTY	St. Clair DRILI	ING METHOD	_		HSA with MR	HAMMER TYPE	c	ME 55	/ 8	10%
STRUCT. NO Station _ BORING NO. Station _ Offset _ Ground Su	NA 8410	D E P T H (ff) (		U M C O S I S Qu T	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After Hrs.	Unknown ft Unknown ft  ** ft  ** ft	D E P T H	B U S (/6")	U C S Qu (tsf)	M 0 5 T
Black and	brown, SILTY CLAY cinders and sand		4		Medium dense, brown, GRAINED SAND, with sill	FINE 39	6.04	7		
			6 7	16				6		
		-	6	15				6 8		
		5	7			39	<u>-25</u>	8		
		=======================================	50/4"		Very stiff, brown, SILTY See attached grain size distribution	LOAM		3		
		4						8		
			9 8	0.6 15			_	6		
		-10	8	5 13			-30	8		
		=	11							
Medium del	nse to loose, brown, ED SAND, with silt	403.54	7	-				8		
	20 3.11.0, 11.11. 3.11	-15	7 6		-		-35	8 11		
See attache distribution	ed grain size		7 3			37	9.54			
			4		Medium dense to den: FINE GRAINED SAND, wi	se, brown,		45	-	
		-20	5 5					10 10 17		

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)

(V) Illinois Departr of Transportat	ment ion		SOIL BORIN	IG LOG	Page	2 of <u>3</u>
Division of Highways Geotechnology, Inc					Date	2/18/09
ROUTE FAP 998	DESCRIPTION		Trilevel Interchan	ge	LOGGED BY	TW
SECTION 82-1	LOCATION	N <u>East S</u>	Louis, IL, SEC. 7, T	WP. 2N, RNG. 9W		
COUNTY St. Clair DRILLIN	NG METHOD		HSA with MR	HAMMER TYPE	CME 55	/ 80%
STRUCT. NO.         082-0322           Station         NA           BORING NO.         B-410           Station         65+06.38	D B E L P O T W H S	U M C O S I S T C V T T	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter	Unknown ff	D B E L P O T W H S	U M C O S I S S Qu T
Medium dense to dense, brown, FINE GRAINED SAND, with silt	ff (ff) (/6")	(tsf) (%)	Upon Completion After Hrs. Medium dense to ver gray, FINE GRAINED	** ft ry dense, SAND, with	(ft) (/6")	(tsf) (%)
(continued)			trace silt (continued)	kara sa		
	19		See attached grain s	size	10	
37	-45 25 -0.54				-65 11	
Medium dense, brown, MEDIUM GRAINED SAND, with silt	_					
	12				11	
	11 11				14 12	
Medium dense, gray, SANDY	4.54					
LOAM, with coarse grained sand	6				=	
	9 55 11				75	
Medium dense to very dense, gray, FINE GRAINED SAND, with trace silt						
	9				20	
	14 60 16				31	

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

								-	
(T) Illinois I	Departme sportation	nt 1		9	SOIL BORING LOG		Page	<u>3</u> (	of <u>3</u>
Division of Highways Geolechnology, inc	0001141101						Date	2/1	8/09
ROUTE FAP 998	DES	CRIPTION			Trilevel Interchange	LOGGE	) BY	T	W
SECTION 82	-1	LOCATIO	N <u>E</u>	ast St	Louis, IL, SEC. 7, TWP. 2N, RNG. 9W				
COUNTY St. Clair	DRILLING M	ETHOD			HSA with MR HAMMER TYPE		OME 55	/ 84	0%
STRUCT. NO.         082-0           Station         NA	322	D B L O	U C S	M 0 2	Surface Water Elev. <u>Unknown</u> f Stream Bed Elev. <u>Unknown</u> f	t E	B L O	U C S	M 0
BORING NO.   B-41	.38	T W H S (ff) (/8")	Qu (tsf)	S T (%)	Groundwater Elev.;   First Encounter	+	W S (/6")	Qu (tsf)	S T (%)
Medium dense to very dense, gray, FINE GRAINED SAND, wi trace silt (continued)	,				Medium dense, gray, MEDIUM GRAINED SAND, with coarse sand and gravel (continued)	_			
				-					
		-85					â		
							-		
							-		
		18			End of Boring	-111	28 50/5"		
		-90		-			-		
to a superior of the superior									,
Medium dense, gray, MEDIUM GRAINED SAND, with coarse sand and gravel	321.54					<u>-11:</u>	51		

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)

Δ	=0	M
		/ <b>/</b>

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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS		XXVII		F.A.I. SECTION		COUNTY	TOTAL SHEE SHEETS NO.	
			70	82-1-B-2	ST. CLAIR	399	343	
I-70E OVER I-55, CSX & KCS RAILROADS					082-0322 & S.N. 082-0324	CONTRACT	NO.	76C76
SCALE:	SHEET S-216 OF S-234 SHEETS	STA.	TO STA.	FED. RO	DAD DIST. NO.   ILLINOIS FED. A	D PROJECT		