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(P)	Illinois Depart of Transports	tment				SOIL BORING	LOG		Page	3 0	of <u>3</u>
	Division of Highways Geotechnology, Inc								Date	2/2	4/09
ROUTE	FAP 998	DESCRIPT	TION			Trilevel Interchange		LOGGED	BY	D1	c
SECTION	82-1	l	OCATIO	N _	East S	. Louis, IL, SEC. 7, TWP. :	ZN, RNG. 9W				
COUNTY	St. Clair DRILL	LING METHO	D			HSA with MR	HAMMER TYPE	CN	E 75	/ 80)%
STRUCT, NO.	082-0325 NA	D E	B L O	U C S	M 0	Surface Water Elev.	Unknown ft Unknown ft	D E P	B L O	U C S	M 0
BORING NO.	B-421 68+76.5	_ T	W S	Qu	S T	Groundwater Elev.: First Encounter	** #	T. H	W S	Qu	S T
Offset Ground Surfa		_ft (ft)	(/6")	(tsf)	(%)	Upon Completion After Hrs	** fi	(ff)	(/6")	(tsf)	(%)
Very dense, to GRAINED SAND, (continued)	in, MEDIUM , trace silt					Medium dense, tan, FINE GRAINED SAND, trace silt (continued)					
								-			
:							· · · · · · · · · · · · · · · · · · ·				.
Medium dense, GRAINED SAND,	, tan, FINE	326.40 -85				Medium dense, gray brov COARSE GRAINED SAND		5.40 -105			
		_									
2.5											
			19					_ =	50/3"		
		90	18	ļ	-	End of Boring	301	1.40 -110	-		
						7					
								-115			
			-								-
		-									
		_									
			13								
			22			1					

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 1206)

* Rimac not measured due to sample disturbance

** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

(A)	Illinois Depart of Transporta Division of Highways Geotechnology, Inc	ment tion				SOIL BORIN	G LOG		Page Date		of <u>4</u>
	FAP 998		TION			Trilevel Interchang	е	LOG	GED BY	DT	rc
SECTION	82-1		LOCATIO	N _!	East St	t. Louis, IL, SEC. 7, TW	P. 2N, RNG. 9W				
COUNTY	St. Clair DRILL	ING METHO	OD		-	HSA, with MR	HAMMER TYPE	_	CME 75	/ 80	<u>)%</u>
Station BORING NO. Station Offset	082-0325 NA B-422 65+21.58 6.88ff Left ce Elev. 413.00	D E P T H (ff)	B L 0 W S	U C S Qu (tsf)	M 0 1 S T	Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion	Unknown Unknown ** ** **	ft ft	D B E L P O T W H S (ff) (/6")	U C S Qu (tsf)	M 0 1 S T
Stiff to soft, to	on, SILT					After Hrs. Medium dense, brown LOAM (continued)	, SANDY				
			4 5		16	201111 (CONTINUES)			10 12 13		
			2 2		22			_	9		
		_=	2					- 387.00	-25 13 		
		_	2 3		26	Loose to medium den FINE GRAINED SAND, t	se, gray,		6 2 3		
Stiff to medium	n stiff, tan, SILTY	105.00	2 2	1.3	19			_	6		
			5	В				<u>-</u>	8		
٠.			3 4 5		15						
			1 2		25				10		
			3					-	13 		_
	gray, SILTY CLAY	595.00	0 0 3	0.6 B	42	Medium dense, gray, GRAINED SAND, trace	FINE silt	376.00		-	
Medium dense, LOAM	DIOWN, SANUT	-	- 5		ĺ				- 7		

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)

** Rimoc not measured due to sample disturbance

** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation

SOIL BORING LOG

Page <u>2</u> of <u>4</u>

	Division of Highways Geolechnology, Inc	Tanon.				JOIL DOMIN	0 200		Date	2/2	26/09
ROUTE		DESCRIPT	ION			Trilevel Interchan	ge	LOGGED	BY	D	TC
SECTION _	82-1	L	OCATIO	N _	East St	t. Louis, IL, SEC. 7, TV	/P. 2N, RNG. 9W				
COUNTY	St. Clair D	RILLING METHO	D			HSA, with MR	HAMMER TYPE	C	ME 75	/ 8	0%
Station BORING NO. Station Offset	082-0325 NA B-422 65+21.58 6.88ft Left face Elev. 413.00	D E P T H	B L O W S (/6")	U C S Qu (tsf)	M 0 1 S 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 L O W S (/6")	Qu (tsf)	M 0 ! S T (%)
	e, gray, FINE		V • 7			Dense, gray, FINE GR SAND (continued) Medium dense, gray, GRAINED SAND	AINED 35	1.00	V 7		(-)
		_	6						10		
		-45	8 12					-65	12 10		
				-		Dense to very dense, MEDIUM GRAINED SAN gravel	gray,	6.00	·		
See attached distribution	grain size	·	9			See attached grain s distribution	ize		17		
		50	11						16		
			10		-						
		55	15	-							
Dense, gray, SAND	FINE GRAINED	356,00	8						11		
		,	15 18						17 36		

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

* Romeasured due to drilling methods used

BBS, from 137 (Rev. 8-99)

A	EC	И

 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 - VII - S.N. 082-0325 I-70W OVER I-55, CSX & KCS RAILROADS SCALE: NONE SHEET NO. S-137 OF S-138 SHEETS STA. TO STA.

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT