BORING LOG: B-422 (1 of 4)

BORING LOG: B-422 (2 of 4)

BORING LOG: B-422 (3 of 4)

(P)	Illinois Depar of Transporto	tment		SOIL BORIN	C 10C	Page	<u>1</u> of <u>4</u>
	OT ITANSPORTO Division of Highways Geotechnology, Inc	ation		SOIL BOKIN	G LOG	Date	2/26/09
ROUTE	FAP 998	DESCRIPTION		Trilevel Interchana	ge L	OGGED BY	DTC
SECTION _	82-1	LOCATIO	N <u>East S</u>	St. Louis, IL, SEC. 7, TW	/P. 2N, RNG. 9W		
COUNTY _	St. Clair DRIL	LING METHOD		HSA, with MR	HAMMER TYPE	CME 75	/ 80%
Offset	NA 8-422 65+21.58 6.88ff Leff face Elev. 413.00	D B E L P O T W H S - ft (ff) (/6")	U M C O S I S S Qu T (tsf) (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev.; First Encounter Upon Completion After Hrs. Medium dense, brown	Unknown ft Unknown ft ** ft ** ft	D B E L P O T W H S (ff) (/6")	U M C O S I S Qu T (tsf) (%)
3011,		4 4 5	16	LOAM (continued)	, Salo	10 12 13	
		2 2 	22			9 9 -25 13	
		0 2 3	26	Loose to medium der FINE GRAINED SAND,	nse, gray, trace clay	6 2 3	
Stiff to med LOAM	ium stiff, tan, SILTY	2 2 -10 5	1.3 19 B			- 6 - 7 -30 8	
		3 4 5	15				
		1 2 -15 3	25			- 10 - 8 -35 13	
Medium stiff	, gray, SILTY CLAY	397.00 0 0 3	0,6 42 B	Medium dense, gray, GRAINED SAND, trace	376.0 FINE silt	0 -	
Medium dens LOAM	se, brown, SANDY	395.00 <u>5</u>				7	
-		-20 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 1206)

* Rimac not measured due to sample disturbance

** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

(18) of	Transportati	on		SOIL BORING	G LOG		
Division Geofechn	Transportati					Date	2/26/09
ROUTE F	AP 998	DESCRIPTION		Trilevel Interchange	<u> </u>	LOGGED BY	DTC
SECTION	82-1	LOCATIO	N <u>East S</u>	t. Louis, IL, SEC. 7, TWP	. 2N, RNG. 9W		
COUNTY St.	Clair DRILLIN	G METHOD		HSA, with MR	_ HAMMER TYPE	CME_75	5 / 80%
STRUCT. NO.	082-0325 NA	D B E L P O	U M C 0 S I	Surface Water Elev. Stream Bed Elev.		D B L P O	U M C 0 S 1
BORING NO. Station Offset	65+21.58	T W H S	Qu T	Groundwater Elev.: First Encounter Upon Completion	** ff	T W	Qu S
Ground Surface Elev Medium dense, gray,	v. <u>413.00</u>	(ff) (/6")	(+sf) (%)	After Hrs. Dense, gray, FINE GRAI	** ft	(fl) (/6") (tsf) (%)
GRAINED SAND, trace (continued)	silt			SAND (continued)		. ==	
				Medium dense, gray, F GRAINED SAND	351 TINE	.00	
		6 8				10	
		_ ₄₅ 12				10	
					. 346	5.00	
				Dense to very dense, of MEDIUM GRAINED SAND, gravel	gray, , with		
See attached grain s distribution	ize	11		See attached grain siz distribution	е	17	
		_50 11				₋₇₀ 16	
4.5							
		10					
		12 55 15				-75	
Dense, gray, FINE GR SAND	AINED 356	.00					
		- 8 15				11	<u> </u>
		_60 18				_ ₈₀ 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 T206)
* Rimac not measured due to sample disturbance
** Not measured due to drilling methods used

		Page	2	of <u>4</u>		P	Illinois of Tro	Depar ansport	tment ation			Ç	SOIL BORIN	IG LOG		Page	3	of <u>4</u>
		Date	_2/2	26/09			Division of High Geotechnology,	hways Inc								Date	2/2	6/09
U	OGGED	BY	D	TC		ROUTE	FAP 9	98	DESCRIP	TION			Trilevel Interchan	ge	LOGGED	BY	D	TC
						SECTION _		82-1		LOCATIO	N _	East St	. Louis, IL, SEC. 7, T	WP. 2N, RNG. 9W		-		
E	c	ME 75	/_8	10%		COUNTY _	St. Clair	DRIL	LING METH	OD			HSA, with MR	HAMMER TYPE	C1	ME 75	/ 8	0%
fi fi fi	D E P T H	B L O W S	U C S Qu	M 0 1 S T		STRUCT. NO. Station BORING NO. Station Offset	B 65 6.8	1-422 +21.58 8ft Left	D E P T H	B L O W S	U C S Qu	M 0 - S T	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion	Unknown ft Unknown ft ** ft	D E P T H	B L O W S	U C S Qu	10-0≤
ft 351.0		(/6")	(tsf)	(%)	-	Ground Sur Dense to ver MEDIUM GRAI gravel (conti	NED SAND, w	٧.	ff (ff)	(/6")	(151)	(%)	After Hrs. Dense to very dense, MEDIUM GRAINED SAN gravel (continued)	** ft gray, D, with	(11)	(/6")	(tsf)	(%)
	-65	10 12 10							-8					301	i.00 -105			
346.0													Very dense, gray, CC GRAINED SAND, with	OARSE gravel				
		17 18 16								16 25 21	-					30 50/2"		
		11							9				Crystalline LIMESTONE rock core log					
		17	 	 	1	1			-	17	-					. !		į .

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)

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

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

	BORING LOGS XXXVIII						
	I TOE OVER I SE COV & MOS BALLBOADS	70					
	I-70E OVER I-55, CSX & KCS RAILROADS						
CALE:	SHEET S-227 OF S-234 SHEETS STA. TO STA.	FED.					

COUNTY TOTAL SHEET NO.

ST. CLAIR 399 354 SECTION 82-1-B-2 N. 082-0322 & S.N. 082-0324 CONTRACT NO. 76C76