BORING LOG: B-407 (4 of 4)

BORING LOG: B-408 (1 of 3)

BORING LOG: B-408 (2 of 3)

(PP)	Illinois Dep	artmer	nt		(COIL DODIN	0.100	Page	_4_ of _4
(A)	Illinois Depe of Transpot DMslon of Highways Geotechnology, Inc	rtation			,	SOIL BORIN	G LUG	Date	2/23/09
ROUTE	FAP 998	DESC	RIPTION			Trilevel Interchang	le	LOGGED BY	LAH
SECTION _	82-1		LOCATIO	N _	East St	Louis, IL, SEC. 12, T	WP. 2N, RNG. 10W		
COUNTY _	St. Clair D	RILLING ME	THOD			HSA with MR	HAMMER TYPE	CME 75	/ 80%
STRUCT, NO. Station	082-0322/ 082-0 NA	0324	D B E L P O	U C S	M 0	Surface Water Elev. Stream Bed Elev.	Unknown ft Unknown ft		
BORING NO. Station Offset Ground Sur		6ft	T W H S (ft) (/6")	Qu (tsf)	S T (%)	Groundwater Elev.; First Encounter Upon Completion After Hrs.	** ft		
Dense to ver MEDIUM GRAII (continued)	y dense, gray, NED SAND	-				-			
		304.76							
End of Borin	g		-		1				
		-	-125						
		_	4						
•		·							
		-							
		-	-170						
		-							
		_							
		-							
		-							
		-	=						
		-							
		-	-140						

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

BBS,
Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

(-)						
Illinois Depo of Transpor Distalon of Highways Geolechnology, Inc	artment			1.00	Page	<u>1</u> of <u>3</u>
of Transpor	tation	,	SOIL BORING	LOG		
Division of Highways Geolechnology, Inc					Date	2/18/09
	DESCRIPTION		Trilevel Interchange		LOGGED BY	TW
SECTION 82-1	LOCATIO	N East S	l. Louis, IL. SEC. 12, TWP.	2N. RNG. 10W		
					ONE SE	/ 00%
COUNTY St. Clair D	KILLING METHOD		HSA with MR	HAMMER TYPE	CME_55	/ 80%
STRUCT. NO. <u>082-0322/ 082-0</u> Station NA	324 D B E L P 0	UMCO	Surface Water Elev Stream Bed Elev	Unknown ft Unknown ft	D B E L P O	U M C O S I
BORING NO. B-408	T W	S	Groundwater Elev.:		T W	S
Station 63+30.74	H S	Qu T	First Encounter	** ff	H S	Qu T
Offset 29.15ft Left Ground Surface Elev. 418.60	ft (ft) (/6")	(†sf) (%)	Upon Completion After Hrs	** ft	(ff) (/6")	(tsf) (%)
Gray CLAY (FILL), with cinders and gravel			Loose to medium dense, FINE GRAINED SAND, silt	brown,		
and graver			(continued)		- 6	
	8	33	See attached grain size distribution		5	
	4				6	
and the second second			-			
;	2				17	
	413.60 -5 11				30	
Sliff, gray, SILTY CLAY	413.60 =3		dense		-25	
	3				- 8	
*	- 5	1.7 23			9	-
	. 5	s			9	
Loose, brown, FINE GRAINED	410.60					
SAND, trace silt	_ 5				4	
	4		1		5	
	-10 3				_ ₃₀ 5	
	-				-	
	1 5					
	→ 5 5					'
	405.60		-			
Soft to stiff, brown, SILTY LOAM	0				ا 8	
	- 1	0.5 6			10	
	-15 2	В			_35 10	
	-					
	6					
	4	1.3 25		38	1.60	
	400.60	В	Medium dense to very de brown to gray, FINE GRA	INED		
Loose to medium dense, brown,	400,60		SAND, with trace gravel	and silt		
FINE GRAINED SAND, silt	4				11	
	5				10	
	-20 3		11		-40	

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 T206)

* Rimac not measured due to sample disturbance

** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

Illinois Departme of Transportation Of Malan of Hillinois Geoblemology, inc	ent n			SOIL BORIN	G LOG		Page Date	_2
ROUTE FAP 998 DES	SCRIPTION			Trilevel Interchang	е	LOGGED	BY	
SECTION 82-1	LOCATIO	N _	East St	Louis, IL, SEC. 12, T	WP. 2N, RNG. 10W			
COUNTY St. Clair DRILLING	METHOD			HSA with MR	HAMMER TYPE		ME 55	_/_
STRUCT. NO. 082-0322/ 082-0324	D B E L P O T W H S (ff) (/6")	U C S Qu (tsf)	M 0 S T	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After Hrs.	Unknown ff Unknown ff ** ff ** ff	D E P T H	B L O ₩ S (/6")	U C S Qu
Medium dense to very dense, brown to gray, FINE GRAINED SAND, with trace gravel and silt (continued)				Medium dense to very brown to gray, FINE (SAND, with trace grav (continued)	dense, GRAINED			
				Loose, gray, SANDY Li black lignite	OAM, with			
	10 28 42					-65	5 4 6	
					352			
				Medium dense, gray, GRAINED SAND, with t	FINE race silt	_		
	1.					_		
	12	ļ					12	_
	_50 11						12	
	=							
							1	

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

BBS,

** Not measured due to drilling methods used

See attached grain size distribution

BBS, from 137 (Rev. 8-99)

Page <u>2</u> of <u>3</u>

Date <u>2/18/09</u>

AECOM

USER NAME =	DESIGNED		PJL	REVISED -	Τ
-	DRAWN	-	BRD	REVISED -	7
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	F.A.I. SECTION		COUNTY	TOTAL SHEETS	SH		
1.70	E OVER I SE CSY &	KCG	PAHPOADS	70	82-1-B-2	ST. CLAIR	399	3
					082-0322 & S.N. 082-0324	CONTRACT	NO. 7	6C
SCALE:	SHEET S-213 OF S-234 SHEETS	STA.	TO STA.	FED. R	ROAD DIST. NO. ILLINOIS FED. A	D PROJECT		