## SOIL BORING LOG

Page <u>1</u> of <u>1</u>

Date <u>12/19/11</u>

ROUTEFAP 998	DESCRIPTION		Trilevel Interchange	LOGGED BY	LAH
SECTION 82-1	LOCATION	East S	t. Louis, IL, SEC. 12, TWP. 2N, RNG.	10W	
COUNTY St. Clair Di	RILLING METHOD		HSA HAMMER TY	YPE <u>CME 55 TF</u>	RK / 83%
STRUCT. NO. 8C082I070R002.6 Station ST. CLAIR STA 75+44  BORING NO. ST-14 Station Offset Ground Surface Elev. 420.9  Gray and black, SILTY CLAY (FILL), with cinders	P 0 T W H S	U M O O O O O O O O O O O O O O O O O O	Surface Water Elev.  Stream Bed Elev.  Groundwater Elev.:  First Encounter  Upon Completion  After Hrs.  Medium dense, brown, FINE TO	ft 💆	U M C O S I S S Qu T (tsf) (%)
	10 8 9	21	MEDIUM GRAINED SAND Grain size distribution conducted	8 12 15 397.9	
	1 2 -5 1		Medium dense, brown, FINE GRAINED SAND	11 13 -25 14	
Stiff, brown, CLAY	1 4 5	27		7 9 9	
Medium stiff to very soft, brown, SILT	412.9 — 2 — 3 —10 4	2.2 29 P	Grain size distribution conducted	8 10 -30 10	
	2 1 1	0.3 P			
Loose, brown, SANDY LOAM	407.9 - 1 - 5 -15 5			10 13 -35 12	
Medium dense, brown, FINE GRAINED SAND	<u>405.4</u> 16 ▼ 16 8 7				
			End of Paring	11 14 380.9 -40 16	

End of Boring
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 attempted, not measured due to sample disturbance

BBS, from 137 (Rev. 8-99)

\*\* Not measured due to drilling methods used

FILE NAME =

08TRI-76845-sht-soil\_boring.dgn

USER NAME = mmcconachie	DESIGNED	-	PMK	REVISED -
	DRAWN	-	PMK	REVISED -
PLOT SCALE = 1.5838 ' / in.	CHECKED	-	MPW	REVISED -
PLOT DATE = 2/2/2012	DATE	-	2/2/2012	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**  Illinois Department of Transportation

Division of Highways Geotechnology, Inc

SOIL BORING LOG

Page <u>1</u> of <u>1</u>

Date <u>12/19/11</u>

ROUTE	<u>FAP 998</u> DE	SCRIPTION			Trilevel Interchange	_ LOGGED	BY	L	AH	
SECTION	82-1	LOCATIO	)N	East St	. Louis, IL, SEC. 12, TWP. 2N, RNG. 10W	1			W.1011100000000000000000000000000000000	
COUNTY St.	Clair DRILLING	METHOD		HSA w	ith MR below 10 ft HAMMER TYPE	CM	CME 55 TRK / 83%			
	8S082I055L002.0 MP J STA 13+35.55	D B E L P O	UCS	<b>M</b> O	Surface Water Elev. <u>Unknown</u> ft Stream Bed Elev. <u>Unknown</u> ft	.   E   P	B L O	UCS	M 0 1	
Station	ST-16 	T W S (ft) (/6")	Qu (tsf)	S T (%)	Groundwater Elev.:         ** ft           First Encounter         ** ft           Upon Completion         ** ft           After         Hrs.         ** ft		W S (/6")	Qu (tsf)	S T (%)	
ASPHALT, 2 inches CONCRETE, 6 inches		7 2	(101)	(/0)	Medium dense, brown, FINE	393.9	() • )	(101)	(/0)	
GRAVEL BASE, 2 inc Brown and black to LOAM (FILL), with gr	hes 414. brown, SILTY ravel, brick,	2 4 9		22	Loose to medium dense, brown, SANDY LOAM		6 5 5			
glass, cinders, slag,	and coal	1					7			
		5 5 4					7 8			
		1 1		22	Medium dense, brown, FINE GRAINED SAND		8			
Very loose, brown,	406. SANDY LOAM	9 1			Grain size distribution conducted		14			
		1 2 -10 1					12 11 15			
		1								
		1								
							8			
Grain size distribution	on conducted	-15					10 9		***************************************	
		1 2				  377.9				
Medium dense, brov	396. rn, FINE	9			Very stiff, gray, SILTY LOAM	-				
GRAINED SAND		3 7 -20 8				374.9 -40	3 5 10			

End of Boring

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 attempted, not measured due to sample disturbance
\*\* Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

									F.A.I. SEC			TION	COUNTY		TOTAL	S SHE			
SOIL BORING								•		82-	-1SG	ST.	CLAIR	145	13				
									*998/70/64				CO	NTRACT	NO.	76C			
CALE: N/A	SHEET 1	١0.	. 0	F 7	SHEETS	STA.	N/A	TO	STA.	N/A		FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT							