Kaskaskia Engineering Group, LLC

SOIL BORING LOG

Date 9/8/10

ROUTE FAI 57/FAP 331 DESCRIPTION FAI 57 Ramp J over Ramp A LOGGED BY KEG

SECTION (X1-6-2)HB-2 LOCATION Marion; N 1/2 Section 14, TWP 9S, RNG 2E

COUNTY Williamson DRILLING METHOD CME 55LC/HSA HAMMER TYPE Automatic

STRUCT. NO. 100-0098
Station

BORING NO. B-12
Station 10+40.97
Offset 41.6 ft Lt
Ground Surface Elev. 460.98 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 440.0 ft
Upon Completion - ft
After Hrs. - ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Grass cover and topsoil	460.0			
FILL: Brown, silty clay (A-6)		10		
		10	4.5	9
		9	P	
	458.0			
CLAY: Brown, some sand, trace gravel (A-7)		5		
		6	2.4	20
	-5	8	B	
	455.5			
SANDY CLAY: Brown (A-7)		3		
		6	2.1	17
		9	B	
Sand content increases (A-6)		6		
		5	0.4	20
	-10	6	S	
Sand content increases (A-4)		3		
		4	0.3	19
		4	P	
	448.0			
CLAY: Brown and gray, some sand (A-7)		5		
		6	3.1	14
	-15	9	B	
		3		
		5	2.4	17
		8	B	
Becomes brown		2		
		3	0.8	20
	-20	4	B	

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	440.5			
SAND: Brown, fine, with silt and clay (A-2)		WH		
		WH	-	25
		3		
	438.0			
SANDY CLAY: Brown, with weathered rock (A-7)		50/1"	-	12
		50/1"		
	436.0 -25			
CLAYEY SHALE: Gray		45		
		50/2"	-	14
Becomes grayish brown	432.0	50/5"	-	11
End of Boring		50/1"		
	-30			
	-35			
	-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 (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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PRINT DATE: 9/7/2011 2:19:21 PM z:\18035 I-57 and I13 interchange\dgn\bridge\Final\plotsheets\1000098-78182-033-Soil_Boring_Logs.dgn

FILE NAME = 1000098-78182-033-Soil_Boring_Logs.dgn	USER NAME = ja	DESIGNED - CTW	REVISED -
		CHECKED - CDL	REVISED -
	PLOT SCALE = 01.0000 '/ IN.	DRAWN - DP	REVISED -
	PLOT DATE = 9/7/2011	DATE - 9/7/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 100-0098
SHEET NO. 33 OF 33 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6-2)HB-2	WILLIAMSON	968	716
		CONTRACT NO. 78182		
	ILLINOIS FED. AID PROJECT			