



SOIL BORING LOG

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Date 9/7/10

ROUTE FAI 57/FAP 331 DESCRIPTION FAI 57 over IL Rte 13 LOGGED BY KEG

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

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

STRUCT. NO. 100-0088 (NB) & 100-0089 (SB)
 Station _____
 BORING NO. B-4
 Station 1491+59.54
 Offset 73.6 ft Lt
 Ground Surface Elev. 446.93 ft

DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
445.9				Grass cover and topsoil				
	13			FILL: Grayish brown, silty clay, trace sand and crushed rock (A-6)		4	2.0	18
	14	4.5	8			7	B	
	13	P				7		
				Becomes gray, no sand and rock		50/3"	-	8
	4					50/2"		
	4	4.3	7					
	3	P						
442.2				FILL: Gray and brown, clay (A-7)				
				CLAY: Grayish brown (A-7)		50/3"	-	5
	3					50/1"		
	3	0.9	23					
	4	B						
						50/4"	-	5
	3					50/1"		
	4	1.7	19					
	4	B						
				Becomes gray and brown, some sand		50/4"	-	15
	3					50/1"		
	3	2.2	19					
	4	B						
				Becomes brown and gray		50/2"	-	10
	3					50/1"		
	4	1.8	19					
	5	B						
	3							
	4	2.5	24					
	4	B						
				Becomes brown, trace sand and coal				
	2							
	4	1.6	21					
	5	B						

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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ROUTE FAI 57/FAP 331 DESCRIPTION FAI 57 over IL Rte 13 LOGGED BY KEG

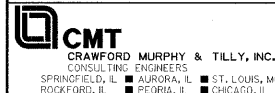
SECTION (X1-6-2)HBK-2 LOCATION Marion; N 1/2 Section 14, TWP 9S, RNG 2E

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

STRUCT. NO. 100-0088 (NB) & 100-0089 (SB)
 Station _____
 BORING NO. B-5
 Station 1491+89.81
 Offset 116.4 ft Lt
 Ground Surface Elev. 445.08 ft

DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
444.1				Grass cover and topsoil				
	5			FILL: Brown and gray, clay (A-7)		3		16
	4	4.8	24			6	B	
	6	B						
				CLAYEY SHALE: Brown and gray (moisture content - 5.2 percent)				
				SILTY CLAY: Grayish brown and brown (A-7)				
	2							
	3	2.0	20					
	4	P						
				CLAY: Grayish brown (A-7)				
	2							
	3	1.2	19					
	4	B						
				Becomes gray and brown, trace sand, gravel				
	3							
	4	1.5	19					
	4	B						
				Becomes brown				
	2							
	3	2.2	19					
	6	B						
				Some sand				
	2							
	3	1.2	17					
	6	B						
				Trace coal				
	2							
	3	1.8	21					
	7	B						

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)



FILE NAME = ...\\57\064.BORING LOGS VII.dgn
 USER NAME = Rob Heady
 PLOT SCALE =
 PLOT DATE = 10/7/2011

DESIGNED - BPD	REVISED -
CHECKED - WLB	REVISED -
DRAWN - GLD	REVISED -
CHECKED - BPD	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS VII
 STRUCTURE NO. 100-0088 (N.B.) & 100-0089 (S.B.)

SHEET NO. 73 OF 75 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(X1-6-2)HBK-2	WILLIAMSON	968	658
* F.A.I. 57 AND F.A.P. 331			CONTRACT NO. 78182	
ILLINOIS FED. AID PROJECT				