



Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 1

Date 11/11/09

ROUTE 331 DESCRIPTION IL Route 13 over BNSF Railroad near Marathon Drive LOGGED BY KEG

SECTION LOCATION Marion, SECS. 10SW & 15NW, TWP. 9S, RNG. 2E

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

STRUCT. NO.	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	DEPTH	BLOW	UCS	MOIST
Station	H	S	Qu	T	ft	H	S	Qu	T
SB-19									
1753+49.22									
3.11ft Rt									
446.7	(ft)	(/6")	(tsf)	(%)	425.7	(ft)	(/6")	(tsf)	(%)
GRASS, TOPSOIL, & CRUSHED ROCK - 12 inches					445.73				
CLAYEY SILT: Brown (A-4)	4		0.6	24	443.73	27	50/5"	-	17
	3		B				50/3"		
CLAY: Grayish brown and brown (A-7)	4		1.8	27		29	50/4"	-	14
	5		B				50/3"		
	6								
SILTY CLAY: Grayish brown and brown (A-6)	3		1.2	24					
	3		B						
	3								
Trace sand	2		0.9	23		40	50/3"	-	17
	3		B				50/2"		
	4								
CLAY: Gray and brown, trace to some sand (A-7)	2		0.9	21					
	2		B						
	3								
Becomes brown, some sand	3		1.0	25			50/3"	-	15
	3		B				50/1"		
	3								
	2		1.6	22					
	3		B						
	3								
With coarse gravel and clayey shale	6		0.8	40					
	7		P						
	5								

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, from 137 (Rev. 8-99)



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ROUTE 331 DESCRIPTION IL Route 13 over BNSF Railroad near Marathon Drive LOGGED BY KEG

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

STRUCT. NO.	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	DEPTH	BLOW	UCS	MOIST
Station	H	S	Qu	T	ft	H	S	Qu	T
SB-20									
1754+12.11									
112.70ft Lt									
447.2	(ft)	(/6")	(tsf)	(%)	426.69	(ft)	(/6")	(tsf)	(%)
GRASS, TOPSOIL, & CRUSHED ROCK - 12 inches					446.19				
FILL: Brown clay, some sand, trace rock (A-7)	3		1.0	23	444.19	7			
	2		P			10	1.8	16	
	3					11	S/5		
CLAY: Grayish brown and brown (A-7)	3		2.9	25		22			
	5		B			50/5"	-	15	
	6					50/2"			
SILTY CLAY: Brown (A-6)	1		0.6	23		37			
	2		B			50/3"	-	16	
	3					50/1"			
SILTY CLAY: Brown, some sand (A-7)	2		0.9	21		44			
	3		B			50/2"	-	12	
	3					50/2"			
CLAY: Brown and grayish brown, trace to some sand, trace gravel (A-7)	1		1.1	21					
	2		B						
	4								
Becomes brown and gray, some sand	2		1.3	20					
	3		B			50/3"	-	14	
	5					50/2"			
SANDY CLAY: Brown, trace to some fine gravel (A-6)	WH		-	30					
	WH								
	4								
Some coarse gravel	4								
	3								
	8								

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FILE NAME = L:\DOT\0906683\Draw\CADD_Sheets\STRUCTURAL PLANS\WSE WALLS\100-W003\100W003-98859-015-Borings.dgn

USER NAME = OpenH8B Springfield	DESIGNED - JMW	REVISED -
PLOT SCALE = 1:8000 / / IN.	CHECKED - REB	REVISED -
PLOT DATE = 12/13/2011	DRAWN - AJK	REVISED -
	CHECKED - REB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 100-W003

SHEET NO. 15 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) VB-1, B-1, N-4, R-3	WILLIAMSON	367	292
			CONTRACT NO. 98859	

ILLINOIS FED. AID PROJECT