



Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 2

Date 11/5/09

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. Station

BORING NO. SB-16
Station 1751+08.84
Offset 108.05ft Lt
Ground Surface Elev. 446.6 ft

DEPTH (ft)	BLOW (6")	UCS (tsf)	MOIST (%)
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DEPTH (ft)	BLOW (6")	UCS (tsf)	MOIST (%)
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GRASS, TOPSOIL, & CRUSHED ROCK - 12 inches	445.57				426.07			
FILL: Brown clay, some sand (A-7)		3				2		
		4	2.8	17		7	1.4	26
		5	P			16	B	
	442.57	4				12		
CLAYEY SILT: Grayish brown, trace to some organics (A-4)		3	0.4	30		15	3.0	19
		2	B			50/3"	S	
	441.07							
CLAY: Grayish brown and brown (A-7)		2				50/5"		
		4	2.9	31		50/2"	-	17
		6	B					
	438.57							
SILTY CLAY: Brown (A-6)		2				50		
		4	1.3	21		50/1"	-	8
		6	B					
	436.07							
SILTY CLAY: Brown and grayish brown (A-7)		WH						
		2	0.8	22				
		2	B					
	433.57							
CLAY: Gray and brown, trace to some sand (A-7)		2				20		
		2	1.5	21		11	4.5	12
		3	B			13	P	
		WH						
		2	1.2	22				
		3	S/15					
Trace sand Shelby tube - 22 inches recovery. Unconfined compression strength test performed with results			0.5	25		50/3"	-	12
			S			50/2"		

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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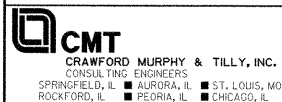
DEPTH (ft)	BLOW (6")	UCS (tsf)	MOIST (%)
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DEPTH (ft)	BLOW (6")	UCS (tsf)	MOIST (%)
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CLAYEY SHALE: Gray and brown (continued)								
	402.77	50/2"	-	12				
		50/2"						

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BBS, from 137 (Rev. 8-99)



CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO
ROCKFORD, IL ■ PEORIA, IL ■ CHICAGO, IL

FILE NAME = L:\IDOT\0986603\Draw\CADD_Sheets\STRUCTURAL PLANS\HSE WALLS\100-W002\100W002-98859-021-Borings.dgn	USER NAME = Gary Davis	DESIGNED - JMW	REVISED -
		CHECKED - REB	REVISED -
		DRAWN - AJK	REVISED -
		CHECKED - REB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 100-W002

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) VB-1, B-1, N-4, R-3	WILLIAMSON	367	277
			CONTRACT NO. 98859	

SHEET NO. 21 OF 21 SHEETS

ILLINOIS FED. AID PROJECT