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(42)	Illinois Department of Transportation
(A)	or Iransportation

## **SOIL BORING LOG**

Page <u>1</u> of <u>2</u>

	Date	11/0/0
oute 13 over BNSF Railroad near Marathon		

ROUTE331	DES	IL Route 13 over BNSF Railroad near Marathon Drive Lo						LO	GGE	D BY	K	EG
SECTION	· <del>************************</del>	LOCATION Marion, SECS. 10SW & 15NW, TWP. 9S, RNG. 2						G. 2E				
COUNTY Williamson D	RILLING	MET	HOD		CN	ME 55LC w/HSA	HAMMER TYP	E _		Auto	matic	
STRUCT. NOStation		D E P	B L O	U C S	M O I	Surface Water Elev Stream Bed Elev	ft ft	l	D E P	B L O	U C S	M 0 1
BORING NO.         SB-8           Station         1746+30.07           Offset         87.66ft Lt		T H	W S	Qu	S T	Groundwater Elev.: First Encounter Upon Completion	- ft	Ā	T H	W S	Qu	S T
GRASS, TOPSOIL, & CRUSHED		(ft)	(/6")	(tsf)	(%)	After Hrs	ft 425		(ft)	(/6")	(tsf)	(%)
ROCK - 12 inches FILL: Brown, silty clay, trace to	444.99		2			SANDY CLAY: Brown, gravel (A-6)	trace fine		$\exists$	1		
some sand (A-7)	-		2 2	0.1 B	25	(1-0)		dire		3	2.0 P	16
Comp and trace fine crevel	-		5					_		2		
Some sand, trace fine gravel	-		4	1.5 P	20					4 4	0.8 B	15
SILTY CLAY: Brown and grayish brown	440.49	-5	2					-	-25	3	U	
(A-6)	-		3	1.5 P	26					5 3	1.7 B	18
Becomes brown	-		2			CLAY: Brown and gray sand	, some 417	7.99		1		
		-10	2 4	0.3 B	21	(A-7)			-30	4 5	0.9 B	17
CLAY: Brown, some sand, trace fine gravel	_ <u>435.49</u> _		1					يعتمر	1			
(A-7)	-		3 4	1.6 B	21	CLAYEY SHALE: Dark	413	 3 <u>.49</u> _				
	-	_	2			black	9,2,10		=	39		
		-15	3 5	1.6 B	23					50/3" 50/1"		30
	-								$\exists$			
	7	<u></u>	1 2 2	0.7 B	20				$\exists$			
CLAYEY SILT: Brown	427.99					Coal observed		je interes		40		
(A-4)			2	<0.25	28	Becomes gray		****	1	40 40 50/4"	4.5	15

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)



## **SOIL BORING LOG**

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Date 11/6/09

IL Route 13 over BNSF Railroad near Marathon Drive LOGGED BY KEG 331 DESCRIPTION LOCATION Marion, SECS. 10SW & 15NW, TWP. 9S, RNG. 2E

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

Surface Water Elev. C S Stream Bed Elev. PO BORING NO. \_\_ Groundwater Elev.:

Qu First Encounter 1746+30.07 **Upon Completion** ft (ft) (/6") (tsf) (%) After \_\_\_ Hrs.

Offset 87.66ft Lt
Ground Surface Elev. 446.0 CLAYEY SHALE: Dark gray to black (continued) 397.29 - 50/1"

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)

JW002-98859-017-Borings.dgn

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	USER NAME = Gary Davis	DESIGNED - JMW	REVISED -	
		CHECKED - REB	REVISED -	
	PLOT SCALE = 1.0000 '/ IN.	DRAWN - AJK	REVISED	
	PLOT DATE = 12/7/2011	CHECKED - REB	REVISED -	

F.A.P. RTE.	F.A.P. SECTION						COUNTY	TOTAL	SHEE NO.	
331	(1X-1)	VB-1,	B-1,	N-4	, R-	3	WILLIAMSON	367	273	
							CONTRACT	NO.	98859	
			ILLI	NOIS	FED.	AID	PROJECT			