



SOIL BORING LOG

ROUTE 331 DESCRIPTION IL Route 13 over BNSF Railroad near Marathon Drive LOGGED BY KEG
 SECTION _____ LOCATION Marion, SECS. 10SW & 16NW, TWP. 9S, RNG. 2E
 COUNTY Williamson DRILLING METHOD CME 55LC w/HSA HAMMER TYPE Automatic

STRUCT. NO. Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter Upon Completion After - Hrs.	DEPTH H	BLOW S	UCS Qu	MOIST T	
												(ft)
GRASS, TOPSOIL, & CRUSHED ROCK - 12 inches	445.57						performed with results shown in Qu and Moist. columns. Dry density - 101.7 pounds per cubic foot.	426.07				
FILL: Brown clay, some sand (A-7)		3					CLAYEY SHALE: Gray and brown		2			
		4	2.8	17					7	1.4	26	
		5	P						16	B		
	442.57						Becomes brown		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						Becomes gray		50/5"			
CLAY: Grayish brown and brown (A-7)		2							50/2"		17	
		4	2.9	31								
	438.57						Becomes gray		50			
SILTY CLAY: Brown (A-6)		2							50/1"		8	
		4	1.3	21								
	436.07						CLAY: Gray and brown, trace to some sand (A-7)		20			
SILTY CLAY: Brown and grayish brown (A-7)		2	0.8	22					11	4.5	12	
		2	B						13	P		
	433.57						Trace sand Shelby tube - 22 inches recovery. Unconfined compression strength test		50/3"			
		2							50/2"		12	
		3	S/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)

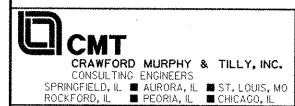


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CLAYEY SHALE: Gray and brown (continued)											
	402.77								60/2"		12
									50/2"		

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 BBS, from 137 (Rev. 8-99)



FILE NAME =	USER NAME =	DESIGNED - SF	REVISED -
1:\dot\B906603\draw\cadd\sheet\struct\al plans\marathon dr bridge\marathon_final		CHECKED - BORING WLB: IA.dgn	REVISED -
PLOT SCALE =		DRAWN - GLD	REVISED -
PLOT DATE =		CHECKED - SF	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BORING LOGS 2
STRUCTURE NO. 100-0095 (W.B.) & 100-0096 (E.B.)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331 (IX-1)	VB-1, B-1, N-4, R-3	WILLIAMSON	367	238
CONTRACT NO. 98859			ILLINOIS FED. AID PROJECT	