



Illinois Department of Transportation
Division of Highways
 ILLINOIS DOT

SOIL BORING LOG

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Date 2/15/12

ROUTE IL 47 (FAP 326) DESCRIPTION Box Culvert under a Field Entrance East of IL 47, 0.7 Miles North of I-80 (Structure 8A) LOGGED BY Larry Myers
 (109, 110)R, R-1, 110BR & SECTION BR-1 LOCATION NW 1/4, SEC. 27, TWP. 34N, RNG. 7E
 COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. <u>Structure 8A (Prop.)</u> Station <u>6040+40, 82' RT</u>	D E P T H	B L O C K S	U C S	M O I S T U R E	Surface Water Elev.		D E P T H	B L O C K S	U C S	M O I S T U R E
					ft	ft				
BORING NO. <u>1</u> Station <u>6040+79</u> Offset <u>79.00ft RL</u> Ground Surface Elev. <u>548.87</u> ft										
Augered black silty clay loam, brown silty clay loam.							19			
							22	10.5	15.2	
							27	S		
Very stiff to soft brown and gray silty clay loam fill - Fill for sanitary sewer line. Free water at 12 ft.	546.37	3					19			
		3	2.5	16.6			21	10.5	17.6	
		3	P				21	S		
							-5			
		2					21			
		2	2.0	19.1			23	10.8	18.9	
		2	P				31	S		
							522.37			
End of Boring										
		1								
		1	1.0	20.1						
		2	P							
							-10			
		WH								
		WH	0.5	25.5						
		WH	P							
Hard gray silty loam till with silt layers.	536.37	9								
		12	5.6	13.7						
		16	S							
** Max Rmac at 5%.										
							-5			
Note: Attempted to perform a boring at the south end of the proposed box culvert. Encountered trench backfill (gravel) for an unmarked sanitary sewer line on three separate attempts. Boring could not be obtained due to the unknown location of the sanitary sewer line.		23								
		31	11.5**	20.1						
		47								
		18								
		21	10.8	18.4						
		24	S							
							-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (S-Bulge, S-Shear, P-Panstrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BSS, form 137 (Rev. 8-99)

REVISED -	USER NAME =	DESIGNED - PSS
REVISED -	FILE NAME =	CHECKED - VPT
REVISED -	PLOT SCALE =	DRAWN - AJF
REVISED -	PLOT DATE =	CHECKED - VPT



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS
STRUCTURE NO. 032-2543

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(110)R, BR & BR-1	GRUNDY	644	314
CONTRACT NO. 66B83				