

ILLINOIS DEPARTMENT OF TRANSPORTATION  
District Nine Materials

Bridge Foundation  
Boring Log  
Sheet 1 of 2

Route: FAP 332 (IL Rte 1) Over Crooked Creek  
Structure Number: 097-0006  
Date: 8/29/2011

Section 5BR  
Bored By: R Moberly

County: White  
Location: 2 mi S Crossville  
Checked By: R Graeff

Boring No 2-S Station 333+91 Offset 14' Lt CL Ground Surface 387.1Ft		DEPTH	BLOWS	Qu	W%	Surf Wat Elev: 376.4 Ground Water Elevation when Drilling 367.6 At Completion At: Hrs:	DEPTH	BLOWS	Qu	W%
Asphalt						376.4	6	0.9S	26	
385.6							5			
Stiff to medium, moist to very moist, grey, Clay A7-6						360.1	2			
1							4	0.1B	27	
2 1.0B 26							5			
2						357.6				
5.0							30.0	2		
2 1.0B 27							5	1.0B	28	
2							6			
377.6						355.1				
1								WH		
2 1.0B 17							1	0.6B	31	
2						352.6				
Medium to soft, very moist, grey, Clay A7-6						350.1	35.0	1		
10.0 WH							1	0.3B	22	
1 0.5B 25							4			
2						375.1				
375.1						350.1				
Medium, very moist, grey mottled brown, Clay A7-6							2			
1							4	0.5B	20	
2 0.8B 23							5			
2						372.6				
372.6						347.6				
Stiff, moist, grey mottled brown, Clay A7-6							40.0	1		
15.0							3	0.9B	17	
2 1.6B 32							4			
3						370.1				
370.1						344.1				
Soft, very moist, grey, Clay A7-6 with some Sand seams										
WH										
1 0.3B 27										
1						367.6				
367.6							45.0	3		
Very loose, wet, brown, Fine Sand							7	2.7B	23	
20.0 WH							9			
1										
96% Sand										
2% Silt										
2% Clay 365.1										
Washed										
Medium dense, moist, grey, Fine Silty Sand										
8										
15										
86% Sand										
14										
11% Silt										
3% Clay 362.6										
25.0							50.0	3		

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall. B-Bulge S-Shear E-Estimated P-Penetrometer)

Sheet 2 of 2

Route: FAP 332 (IL Rte 1)  
Section: 5BR  
County: White

Boring No: 2-S  
Station: 333+91  
Offset: 14' Lt CL  
Ground Surface: 387.1Ft

Date: 8/29/2011

Boring No: 2-S Station: 333+91 Offset: 14' Lt CL Ground Surface: 387.1Ft		DEPTH	BLOWS	Qu	W%	DEPTH	BLOWS	Qu	W%	
Very stiff, moist, grey, Clay A7-6						387.1	7	2.5B	24	
385.6							9			
332.6										
Very stiff, moist, grey, Silty Clay Loam A-4 with silt lenses						332.6	55.0	4		
80.0							15	2.8S	22	
16										
327.6										
Stiff, moist, grey, Clay A7-6						327.6	60.0	3		
85.0							9	1.6B	22	
326.1							10			
Bottom of hole = 61.0 feet										
Free water observed at 19.5 feet										
Elevation referenced to BM AS-13 at NW corner; Elev. = 385.1 feet						65.0				
90.0										
Borehole advanced with hollow stem auger (8" O.D., 3.25" I.D.)										
To convert "N" values to "N60" multiply by 1.25										
70.0										
95.0										
75.0										
100.0										

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall. B-Bulge S-Shear E-Estimated P-Penetrometer)

BORING 2-S