STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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District Nine Materials

Bridge Foundation
Boring Log

FAP 885 (IL 146) Over Simmons Creek
Sheet 1 of 2

Route: FAP 885 (IL 146) Structure Number: 076-0023 Date: 12/3/2007
Section 6B-BR Bored By: R Moberly
County: Pope Location: 4.3 mi. SW Hardin County Checked By: R Moberly

Boring No 2-S
Station 24' N N Abut
Offset 10' E CL
Ground Surface 357.7 Ft

Surf Wat Elev: 330.3
Ground Water Elevation when Drilling 330.7
At Completion
At: Hrs:

Description	DEPTH	BLOWS	Qu tsf	W%
Multiple layers of Asphalt, Concrete and Gravel				
	353.2			
Stiff, moist, brown, Clay to Silty Clay A7-6	5.0	2 2 2	1.5B	20
	350.7			
Medium, very moist, grey, Silty Clay to Silty Clay Loam A-6		1 2 2	0.8B	23
	348.2			
Medium to soft, very moist, grey, Silty Clay Loam A-6	10.0	1 2 2	0.5B	24
	345.7			
Soft, very moist, grey, Silty Clay to Silty Clay Loam A-6		1 1 2	0.3B	25
	343.2			
Medium, very moist, grey, Silty Clay to Silty Clay Loam A-6	15.0	1 3 3	0.6B	20
		1 3 4	0.6B	23
		1 2 2	0.7B	29
	333.2			
	25.0	WH		

Description	DEPTH	BLOWS	Qu tsf	W%
Medium to soft, very moist, grey, Silty Clay to Silty Clay Loam A-6		1 1	0.5B	25
	330.7			
Soft, very moist, grey, Silty Clay to Silty Clay Loam A-6		WH 1 1	0.4B	20
	328.2			
Stiff, moist to very moist, grey, Silty Clay to Silty Clay Loam A-6	30.0	1 2 5	1.3B	20
	325.7			
Medium, very moist, grey, Clay A7-6		1 1 2	0.8B	32
	323.2			
Stiff, moist, grey, Clay A7-6	35.0	1 1 2	1.4B	28
	320.7			
Very stiff, moist, grey, Clay A7-6		1 3 5	2.1B	21
	318.2			
Stiff, moist, grey, Clay A7-6	40.0	1 3 4	1.6B	21
	313.2			
Very dense, dry, grey, Sandstone	45.0	100/1"		
	312.2			
Very dense, dry, grey, Sandstone Cored 45.5 to 50.5 feet 100% Recovery, 52% RQD	50.0			

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

Sheet 2 of 2

Route: FAP 885 (IL 146) Date: 12/3/2007
Section: 6B-BR
County: Pope

Boring No: 2-S
Station: 24' N N Abut
Offset: 10' E CL
Ground Surface: 357.7 Ft

Description	DEPTH	BLOWS	Qu tsf	W%
	307.2			
Very dense, dry, grey, Sandstone Cored 50.5 to 55.5 feet 100% Recovery, 67% RQD				
	55.0			
	302.2			
Bottom of hole = 55.5 feet Free water observed at 27.0 fet Elevation referenced to BM M-16 Elevation = 360.0 feet To convert "N" values to "N60" values multiply by 1.25				
	60.0			
	65.0			
	70.0			
	75.0			

Description	DEPTH	BLOWS	Qu tsf	W%
	80.0			
	85.0			
	90.0			
	95.0			
	100.0			

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

BORING LOGS
(Sheet 2 of 3)
STRUCTURE NO. 076-0029

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JOB NO. 08H0131
DATE 05/21/10
SHEET NO. 29
29 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	6B-2	Pope	48	48
		CONTRACT NO. 78141		
		ILLINOIS FED. AID PROJECT		