

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION District Nine Materials										Bridge Foundation Boring Log				
FAM 885 (IL 146) Over Simmons Creek					Sheet 1 of 2					Date: 11/29/2007				
Route: 885 (IL 146) Structure Number: 076-0023					Location: 4.3 mi SW Hardin County					Bored By: R Moberly				
Section: 6B-BR					County: Pope					Checked By: R Moberly				
Boring No. 1-S		D	B	L	W	Q _u	W _%	Surf. Wet Elev:	D	B	L	W	Q _u	W _%
Station: 18' S of S Abut		P	O	O				Ground Water Elevation	P	O	O			
Offset: 10' W CL		T	W	W				when Drilling	T	W	W			
Ground Surface: 356.3 ft		H	S	S				At Completion	H	S	S			
		Notes:												
Asphalt and Concrete								330.3						
								329.3						
354.3				2		1.2B 22		Loose, wet, grey, Sand with broken Sandstone Gravel						
								23% Gravel, 54% Sand, 17% Silt, 6% Clay						
5.0				2		1.3B 21								
								30.0						
								4						
								4						
349.3				1				324.3						
Medium, moist to very moist, grey, Silt Loam to Silty Clay Loam A-6				1		0.8B 21		Stiff, moist, grey, Clay A7-6						
								1						
								3		1.7B		24		
								4						
348.8				10.0		1		35.0						
Soft, very moist, grey, Silt Loam to Silty Clay Loam A-6						1		1.5B				22		
								4						
344.3				1				319.3						
Medium, moist to very moist, grey, Silt Loam to Silty Clay Loam A-6				2		0.8B 23		Medium, very moist, grey, Silty Clay to Silty Clay Loam A-6						
								2		0.8B		26		
								2						
16.0				1				318.8						
								40.0		1				
								3		1.6B		20		
								6						
339.3				1				313.3						
Soft, very moist, grey, Silt Loam to Silty Clay Loam A-6				2		0.4B 27		Very dense, dry, br. Sandstone						
338.8				20.0		1		45.0						
Medium to soft, very moist, grey, Silt Loam to Silty Clay Loam A-6						1		83% Recovery, 46% RQD						
						2								
334.3								309.8						
Soft, very moist, grey, Silt Loam to Silty Clay Loam A-6						WH		Very dense, dry, br. Sandstone						
						1		Cored 46.5 to 51.5 feet						
						1		100% Recovery, 60% RQD						
331.8								50.0						
						25.0		WH						

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

ILLINOIS DEPARTMENT OF TRANSPORTATION District Nine Materials										Bridge Foundation Boring Log					
Route: 885 (IL 146)					Sheet 2 of 2					Date: 11/29/2007					
Section: 6B-BR					Location: 4.3 mi SW Hardin County					Bored By: R Moberly					
County: Pope					County: Pope					Checked By: R Moberly					
Boring No. 1-S		D	B	L	W	Q _u	W _%	Surf. Wet Elev:	D	B	L	W	Q _u	W _%	
Station: 18' S of S Abut		P	O	O				Ground Water Elevation	P	O	O				
Offset: 10' W CL		T	W	W				when Drilling	T	W	W				
Ground Surface: 356.3 ft		H	S	S				At Completion	H	S	S				
		Notes:													
304.8								304.8							
								Very dense, dry, br. Sandstone							
Cored 51.5 to 56.5 feet								Drilling rod broke during removal; Core barrel lost; No recovery							
								Cored similar to 46.5 to 51.5 ft.							
55.0								80.0							
								289.8							
								Bottom of hole = 58.5 feet							
								Free water observed at 27.0 feet							
								Elevation referenced to BM M-16							
								Elevation = 360.0 feet							
								60.0							
								To convert "n" values to "N60" values multiply by 1.25							
								65.0							
								65.0							
								70.0							
								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 LOGS
(Sheet 1 of 3)
STRUCTURE NO. 076-0029

PROFESSIONAL DESIGN FIRM LICENSE #184-001084 © Copyright Hanson Professional Services Inc. 2010		SHEET NO. 28 29 SHEETS	F.A.P. RTE. 885	SECTION 6B-2	COUNTY Pope	TOTAL SHEETS 48	SHEET NO. 47
HANSON Hanson Professional Services Inc.	DATE 05/21/10						