

ILLINOIS DEPARTMENT OF TRANSPORTATION				District Nine Materials				Bridge Foundation Boring Log			
FAP 885 (IL 146) Over Little Grand Pierre Creek								Sheet 1 of 1			
Route: FAP 885 (IL 146) Structure Number: 076-0026				Date: 7/6/2010							
Section (6B-1)BR				Bored By: R Moberly							
County: Pope				Location: 3.1 Mi West of Hardin County				Checked By: R Graeff			
Boring No 1-S	D	B		Surf Wat Elev:	336.9	D	B				
Station 1373+90	E	L		Ground Water Elevation		P	L				
Offset 9' Rt CL	P	O		when Drilling	333.5	T	O				
Ground Surface 364.0 Ft	T	W	Qu	At Completion		H	W	S	tsf	W%	
	H	S	tsf	At:	Hrs:						
Asphalt and concrete over crushed aggregate				Sandstone gravel with some Clay					4		
362.0					337.0				5		
Stiff, moist, brown and grey, Silty Clay A7-6		3		Stiff, moist, grey mottled brown, Clay A7-6 with some broken Sandstone gravel					1		
359.5		3	1.5B		334.5				5	1.5B	24
		3							6		
Loose, damp, brown, broken Sandstone gravel with Clay	5.0	4		Medium, very moist, grey, Sandy Clay Loam A-6 with broken Sandstone gravel		30.0	2				
357.0		5			332.0				9	0.9S	15
		3							15		
Soft, very moist, grey, Silty Clay to Silty Clay Loam A-6		WH		Medium dense, very moist, grey, broken Sandstone Gravel					6		
354.5		WH	0.4B	Hard, dry, brown, Sandstone	331.0				6		
		1			330.5				100/4"		
				Very Dense, dry, grey, Limestone							
Medium, very moist, grey, Silty Clay to Silty Clay Loam A-6	10.0	1		Cored 33.3 to 38.3 feet							
352.0		1	0.6B	100% Recovery, 72% RQD							
		1									
Medium, very moist, grey, Silty Clay to Silty Clay Loam A-6 w/ some broken Sandstone gravel		1		Very Dense, dry, grey, Limestone							
349.5		1			325.5						
		1	0.6B								
Stiff, moist, grey, Silty Clay A-6 with some broken Sandstone gravel	15.0	1		Cored 38.3 to 43.3 feet							
344.5		2	1.6B	100% Recovery, 64% RQD							
		2		To convert "N" values to "N60" multiply by 1.25							
		2		xx							
		3	1.6B	xx							
		3		xx							
				Hard, dry, grey, Limestone with Clay Shale layers	320.5						
Soft, very moist, grey, Silty Clay A-6 with some broken Sandstone gravel	20.0	1		Cored 43.3 to 48.3 feet							
344.5		1	0.4B	54% Recovery, 16% RQD							
		1		xx							
				Free water observed at 30.5 feet							
		WH		Elevation referenced to BM at NW wingwall; Elev. = 363.6 feet							
		3	0.3B	xx	315.5						
		8		Bottom of hole = 48.3 feet							
339.5											
Loose, moist, brown broken	25.0	4			50.0						

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

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Route: FAP 885 (IL 146) Structure Number: 076-0026				Date: 7/7/2010							
Section (6B-1)BR				Bored By: R Moberly							
County: Pope				Location: 3.1 Mi West of Hardin County				Checked By: R Graeff			
Boring No 2-S	D	B		Surf Wat Elev:	336.9	D	B				
Station 1372+56	E	L		Ground Water Elevation		P	L				
Offset 10' LT CL	P	O		when Drilling	339.9	T	O				
Ground Surface 361.9 Ft	T	W	Qu	At Completion		H	W	S	tsf	W%	
	H	S	tsf	At:	Hrs:						
Asphalt and concrete over crushed aggregate				Medium dense, moist, brown, broken Sandstone gravel with Clay					6		
359.9					329.8				7		
Very stiff, moist, brown, Silty Clay A-6		2		Stiff, moist, grey mottled brown, Clay A7-6					1		
357.4		3	2.3B		327.9				3	1.4B	33
		3							7		
Medium to soft, very moist, grey and brown, Silty Clay A-6	5.0	1		Hard, damp to dry, grey, Limestone over Clay Shale							
357.0		1	0.5B	Cored 33.8 to 38.8 feet							
		2		84% Recovery, 34% RQD							
				xx							
		WH		Very Dense, dry, grey, Limestone							
		1	0.4B		325.4						
		1		Cored 38.3 to 43.3 feet							
				100% Recovery, 72% RQD							
				xx							
		WH		Hard, damp to dry, grey, Limestone over Clay Shale							
		1			324.9						
		1	0.7B	Cored 38.8 to 43.8 feet							
		4		84% Recovery, 43% RQD							
				xx							
		WH		Hard, dry, grey, Limestone with Clay Shale layers							
		2	0.7B		322.9						
		4		Cored 38.8 to 43.8 feet							
				84% Recovery, 43% RQD							
				xx							
		WH		Hard, dry, grey, Limestone with Clay Shale layers							
		15.0			322.4						
		1	0.9S	Cored 38.8 to 43.8 feet							
		3		84% Recovery, 43% RQD							
		5		xx							
				Hard, dry, grey, Limestone with Clay Shale layers							
		15.0			320.5						
		1		Cored 43.3 to 48.3 feet							
		3	0.9S	54% Recovery, 16% RQD							
		5		xx							
				Free water observed at 22.0 feet							
		WH		Elevation referenced to BM @ NW wingwall; Elev. = 363.6 feet							
		2	0.7B	xx	317.9						
		4		Boring stopped due to rig break-down.							
				Bottom of hole = 43.8 feet							
		20.0			317.9						
		WH	0.2B	Free water observed at 22.0 feet							
		WH									
				Elevation referenced to BM @ NW wingwall; Elev. = 363.6 feet							
		339.9		To convert "N" values to "N60" multiply by 1.25							
		WH									
		1	0.2B								
		2									
		337.4									
		25.0	5		50.0						

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

FILE NAME =	USER NAME = \$USER\$	DESIGNED - CME	REVISED -
c:\pw\work\p1dot\lavenderba\d0293530\0760030-78165-020-borings.dgn		CHECKED - MCB	REVISED -
	PLOT SCALE = 0:2.000000 '1' / in.	DRAWN - CFC	REVISED -
CB PROJECT NO. 08856-14	PLOT DATE = 1/23/2012	CHECKED - CME	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 076-0030

SHEET NO. 20 OF 20 SHEETS

CB Coombe-Bloxdorf P.C.
- CIVIL ENGINEERS -
- STRUCTURAL ENGINEERS -
- LAND SURVEYORS -
Design Firm License No. 184-002703

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	6B-3	POPE	41	41
CONTRACT NO. 78165				

ILLINOIS FED. AID PROJECT