

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


ILLINOIS DEPARTMENT OF TRANSPORTATION District Nine Materials						Bridge Foundation Boring Log Sheet 1 of 2					
FAP 885 (IL 34/146) Over Three Mile Creek						Date: 11/30/2009					
Route: FAP 885 (IL 34/146) Structure Number: 035-0009						Bored By: Bryan Keller					
Section 5B-DR-1						Checked By: Ron Graeff					
County: Hardin Location: 1.5 MI. E. ILL 146											
Boring No: 2-3	D	B				Surf Wat Elev:	372.8	D	B		
Station: 77-38	E	L				Ground Water Elevation		E	L		
Offset: 8' RT CL	P	O				when Drilling	352	P	O		
Ground Surface: 386.5 ft	T	W	Qu	W%		At Completion		T	W	Qu	W%
	H	S	tsf			At:	Hrs:	H	S	tsf	W%
Dituminous Pavement over Concrete						Soft, very moist, brown Clay A7-6 with Gravel Layers			3	0.4B	47
384.5									5		
Stiff, very moist, brown, Silty Clay A-5		2				Soft to medium, very moist brown to tan, Silty Clay Loam A-6 with Gravel Layers			3		
		3	1.7B	31					4	0.5P	24
382.0		4							7		
Stiff, very moist, brown, Clay A7-6 with Gravel	5.0	1				Medium, very moist, brown, Clay A7-6 with some Gravel	30.0		1		
		3	1.2S	38					4	0.6S	55
379.5		2							2		
Med Lm, very moist, brown, Silty Clay Loam A-6		1							1		
		1	0.8B	26					3	0.8B	40
377.0		1							2		
Stiff, moist, grey mottled brown, Silty Clay Loam A-6	10.0	3						35.0	1		
		6	1.1B	21					1	0.7B	32
374.5		6							3		
Dense, damp, brown, Sandy Gravel with Silty Clay Layers		7				Medium wet, brown, Sandy Gravel with Clay layers			3		
		22		14		10% Sand; 10% Silt			6		30
21% Sand; 14% Silt; 5% Clay; 60% Gravel		18				12% Clay; 68% Gravel			7		
372.0											
Stiff, moist, brown, Silty Clay to Clay A7-6 with some Gravel	15.0	2				Soft, very moist to wet, brown, Clay A7-6 with Gravel	40.0		1		
		6	1.5B	26					2	0.4B	53
369.5		8							3		
Stiff, moist, brown, Clay A7-6 with Gravel		1				Boulders					
		6	1.1S	32							
		5									
364.5											
Very soft, wet, brown, Clay A7-6 with Gravel Layers and Boulders	20.0	2					342.0		3		
		4	1.5P	24					2	0.2B	50
		7							8		
362.0											
Med Lm, very moist, brown, Clay A7-6 with some Gravel		1									
		2	0.8S	40							
		6									
362.0											
	25.0	5							2		

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

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Offset: 8' RT CL	P	O				when Drilling	352	P	O		
Ground Surface: 386.5 ft	T	W	Qu	W%		At Completion		T	W	Qu	W%
	H	S	tsf			At:	Hrs:	H	S	tsf	W%
Hard, dry, grey Limestone											
100.0'											
Cored from 52.0' to 56.0' ft. 63% Recovery 16% ROD											
55.0'											
Bottom of hole = 56.0' ft.											
Free water observed at 34.5 ft.											
330.5'											
Elevation referenced to Gk Existing W. Adm. Sta 76+00 P.O. EL. 366.8 FT.											
60.0'											
To convert "N" values to "NS0" values multiply by 1.25.											
65.0'											
70.0'											
75.0'											
103.0'											

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SOIL BORINGS-2
IL 34/146 OVER
THREE MILE CREEK
STATION 76+80.00

 LIN ENGINEERING, LTD. Consulting Engineers Chatham, Illinois	SHEET NO. 16	F.A.P. RTE. 885	SECTION 5B-1	COUNTY Hardin	TOTAL SHEETS 48	SHEET NO. 29
	18 SHEETS	S.N. 035-0015		CONTRACT NO. 98949		
Designed By: ESH Date: 8/2008		Checked By: MTH File: 035-0015.dgn		Drawn By: ESH		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						