STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log — Sheet 1 of 2

FAP 885 (IL 34/145) Over Three Mile Creek

Route: FAP 885 (IL 34/ Structure Number: 035-0009 Date: 11/21/2008

Section: 5B-DR-1 Bored By: Bryan Keller

County: Hardin Location: 1.5 MI. E. ILL 146 Checked By: Ron Graeff

Boring No: 1-S
Station: 76+12
Offset: 11' LT CL
Ground Surface: 387.5 Ft

DEPTH	BLOWS	Qu tsf	W%	Description
				Bituminous Pavement over Concrete
386.5				
	5			Stiff, moist, brown Silty Clay Loam A-6 with Gravel
	6	1.7B	16	
	5			
383.0				
5.0	2			Stiff, moist, brown Clay to Silty Clay A7-6 with Gravel
	4	1.2B	30	
	3			
380.5				
	3			Soft, very moist, brown, Silty Clay Loam A-6
	1	0.4B	26	
	1			
378.0				
10.0	2			Medium, very moist, brown, Silty Clay Loam A-6 with Sandy Gravel Layers
	3	0.9S	21	
	2			
373.0				
15.0	3			Stiff, very moist, brown, Clay A7-6 with Sandy Gravel Layers
	2	1.1B	44	
	3			
370.5				
	2			Medium, very moist, brown, Clay A7-6 with a Sandy Gravel Mixture
	3	0.6S	39	
	6			
368.0				
20.0	1			Soft, very moist, gray, Clay A7-6 with Gravel
	3	0.3B	85	
	4			
365.5				
	2			Soft, very moist to wet, brown, Clay A7-6 with some Gravel
	6	0.3B	51	
	3			
25.0	1			

Surf Wat Elev: 372.8
Ground Water Elevation
when Drilling 364
At Completion
At: Hrs:

DEPTH	BLOWS	Qu tsf	W%	Description
	4	0.4B	10	
	4			
	1			
	4	0.3B	30	
358.0	3			
30.0	1			Very soft, wet, brown, Clay to Silty Clay A7-6 with Gravel
	2	0.1B	38	
	7			
	1			
	2	0.1B	82	
	3			Augers kicked out
353.0				
35.0	3			Loose, wet, brown, Sandy Gravel
	4		29	
	5			No Grain Size Sample
350.5				
	1			Very soft, wet, brown, Clay to Silty Clay A7-6 with Gravel
	1	0.1B	63	
	1			
40.0	1			
	WR	0.1E	63	
	WR			
343.0				
45.0	1			Soft, very moist, brown Silty Clay Loam A-6
	WH	0.4	28	
	1			
338.0				
50.0	WH			

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 34/145) Date: 11/21/2008

Section: 5B-DR-1

County: Hardin

Boring No: 1-S
Station: 76+12
Offset: 11' LT CL
Ground Surface: 387.5 Ft

DEPTH	BLOWS	Qu tsf	W%	Description
	WH	0.2B	26	Very soft, wet, brown, Clay to Silty Clay A7-6 with Gravel
	WH			
338.0				
55.0	WH			Soft, wet, brown, Clay A7-6 with Gravel
	WH	0.4B	41	
	WH			
328.0				
60.0	WR			Very soft, wet, brown, Clay A7-6
	WH	0.2B	63	
	WH			
65.0	WR			
	WR	0.2B	41	
	WH			
70.0				
	WH	0.2B	54	
	WH			
75.0	WH			

DEPTH	BLOWS	Qu tsf	W%	Description
	WH	0.2B	46	
	WH			
308.0				
80.0	WR			Very soft, wet brown Clay A7-6 with Gravel
	WR	0.1B	46	
	WR			
303.0				
85.0				Augers kicked out @ 85'
				Bottom of hole = 85.0 ft.
				Free water observed at 14.5 ft.
				Elevation referenced to Bk. Existing W. Abut. Sta. 76+63 P.G. E. 386.8 FT.
90.0				To convert "N" values to "N60" values multiply by 1.25.
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)

SOIL BORINGS-1
IL 34/146 OVER
THREE MILE CREEK
STATION 76+80.00

LIN ENGINEERING,LTD.
Consulting Engineers
Chatham, Illinois

Designed By: ESH | Checked By: MTH | Drawn By: ESH
Date: 8/2008 | File: 035-0015.dgn

SHEET NO. 15
18 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	5B-1	Hardin	48	28
	S.N. 035-0015	CONTRACT NO. 98949		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

D-99-016-06