

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 1

FAP 849 (IL 142) Over stream
Route: FAP 849 (IL 142) Structure Number: 041-0045 Date: 10/17/2007
Section 113-B Bored By: R Moberly
County: Jefferson Location: T3S, R4E, Section 27 Checked By: R Moberly

Boring No 1-S	DEPTH	BLOW	QU	W%	Surf Wat Elev: 440.9	DEPTH	BLOW	QU	W%
					Ground Water Elevation when Drilling				
Station 535+95									
Offset 9' Rt CL									
Ground Surface 452.2 Ft									
Asphalt, Concrete, & Aggregate									
	450.2								
Stiff, moist, grey, Silty Clay to Silty Clay Loam A-6		2 3 3	1.5B	18					
	447.7								
Medium, very moist, grey, Silty Clay to Silty Clay Loam A-6		5.0 2 2	0.9B	30		30.0			
		WH WH	0.6B	25					
	442.7								
Soft, very moist, grey mottled brown, Silty Clay Loam A-4		10.0 1 2	0.4B	24		35.0			
	440.2								
Stiff, moist to very moist, grey and brown, Silty Clay Loam to Clay Loam A-6		2 3 5	1.2B	19					
	437.2					40.0			
Limestone with Clay Shale layers		11							
		100/2"							
Cored 15.2 to 19.2 Feet 95% Recovery, 50% RQD									
	432.7								
Bottom of Hole = 19.2 feet						45.0			
No free water observed									
Elevation referenced to BM 104 at NW wingwall; Elev = 451.8 ft									
To convert "N" values to "N60" values multiply by 1.25									
	25.0					50.0			

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

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Sheet 1 of 1

FAP 849 (IL 142) Over stream
Route: FAP 849 (IL 142) Structure Number: 041-0045 Date: 10/29/2007
Section 113-B Bored By: R Moberly
County: Jefferson Location: T3S, R4E, Section 27 Checked By: R Moberly

Boring No 2-S	DEPTH	BLOW	QU	W%	Surf Wat Elev: 440.9	DEPTH	BLOW	QU	W%
					Ground Water Elevation when Drilling				
Station 536+60									
Offset 10' Lt CL									
Ground Surface 453.2 Ft									
Asphalt and Concrete									
	451.2								
Soft, very moist, grey, Silty Clay Loam A-4		WH 1 1	0.4B	26					
	448.7								
Bottom of hole = 28.0 feet						30.0			
Stiff, moist, grey, Silty Clay A-6		5.0 2 3	1.6B	21					
	446.2								
Soft, very moist, grey, Silty Clay A-6		1 2 1	0.4B	27					
	10.0					35.0			
	441.2								
Stiff, moist, grey and brown, Clay to Clay Loam A7-6		1 2 3	1.2S	19					
	437.7					40.0			
Very dense, damp, brown, Fine to Medium Sand									
	436.2								
Very dense, dry, brown, Sandstone									
	435.2								
Hard, dry, grey, Limestone with Clay Shale layers									
	20.0					45.0			
Cored 18.0 to 23.0 feet 67% Recovery, 7% RQD									
	430.2								
Hard, dry, grey, Limestone with Clay Shale layers									
	25.0					50.0			

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

**SOIL BORINGS
STRUCTURE NO. 041-2017**

 LIN ENGINEERING, LTD. Consulting Engineers Chatham, Illinois	SHEET NO. 6	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	6 SHEETS	849	113-B	JEFFERSON	24	19
	DESIGNED BY: TBP CHECKED BY: MTH DATE: 2/2008	DRAWN BY: TBP FILE: 041-2017.dgn	CONTRACT NO. 78085			
		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				