

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log

FAP #85 (IL 146) Over Bay Creek Date: 4/7/2009
 Section 111-B-DR Bored By: R Moberly Sheet 1 of 1
 County: Johnson Location: ECL Grantsburg Checked By: Rob Graeff

D E P T H	B L O W S	Q u t s f	W %	Surf Wat Elev: Ground Water Elevation when Drilling At Completion At:	D E P T H	B L O W S	Q u t s f	W %
				354.3				
Asphalt over Concrete				364.5	Very dense, dry, grey, Sandstone with Clay Shale layers			
Stiff, moist, grey and brown, Clay A7-6					Cored from 24.5 to 29.5 feet 93% Recovery, 53% RQD			
	1							
	2	1.2B	23					
	3							
	5.0	1		336.0				
	2	1.2B	20					
	5			359.5	Very dense, dry, grey, Sandstone with Clay Shale layers			
Medium dense, moist, grey and brown, broken Sandstone gravel with weathered Clay Shale layers					Cored from 29.5 to 34.5 feet 100% Recovery, 53% RQD			
	3							
	6		18					
	10			357.0	Hard, damp, grey and brown, weathered Clay Shale			
	5							
	16	4.3B	15					
	20			331.0	Bottom of hole = 34.5 feet			
	4				Free water observed at 19.4 feet			
	16	4.5B	18		Elevation referenced to BM @ North center pier, Elev. = 362.2 ft.			
	29				To convert "N" values to "N60" multiply by 1.25			
	15.0	4		40.0				
	16	5.8B	14					
	27							
	7							
	20	5.8B	13					
	48			346.5				
Hard dry, grey, Clay Shale				346.0				
	20.0	100/1"						
Very dense, dry, grey, Sandstone								
Cored from 19.5 to 24.5 feet 100% Recovery, 82% RQD								
				341.0				
	25.0			50.0				

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

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Bridge Foundation Boring Log

FAP #85 (IL 146) Over Bay Creek Date: 4/8/2009
 Section 111-B-DR Bored By: R Moberly Sheet 1 of 2
 County: Johnson Location: ECL Grantsburg Checked By: Rob Graeff

D E P T H	B L O W S	Q u t s f	W %	Surf Wat Elev: Ground Water Elevation when Drilling At Completion At:	D E P T H	B L O W S	Q u t s f	W %
				354.3				
Asphalt over Concrete				362.8	Medium to soft, very moist, grey, Silty Clay Loam A-6 with layers of rotten wood and organics			
	1							
	3	1.6B	23					
	5							
	5.0	1		332.3				
	2	1.2B	22					
	4			329.8	Stiff, moist, grey, Clay A7-6			
	1							
	2	1.1B	22					
	3							
	10.0	1		354.3	Medium dense, moist, black Coal with clayey fines			
	7							
	9							
	1			352.3	Very soft, very moist, grey, Silty Clay A-6			
	WH							
	WH	0.2B	29					
	WH							
	15.0	WH		349.8	Medium, very moist, grey, Silt Loam to Silty Clay Loam A-4			
	1	0.7B	26					
	2							
	1			347.3	Stiff, moist, brown mottled grey, Silty Clay Loam A-4			
	4	1.3B	24					
	5							
	20.0	1		344.8	Medium to stiff, moist to very moist, grey mottled brown, Silty Clay Loam A-6			
	3	1.0B	23					
	4							
	1			342.3	Medium to soft, very moist, grey, Silty Clay Loam A-6 with layers of rotten wood and organics			
	1	0.5B	26					
	WH							
	25.0	WH		314.3				

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FAP #85 (IL 146) Over Bay Creek Date: 4/8/2009
 Section 111-B-DR Bored By: R Moberly Sheet 2 of 2
 County: Johnson Location: ECL Grantsburg Checked By: Rob Graeff

D E P T H	B L O W S	Q u t s f	W %	Surf Wat Elev: Ground Water Elevation when Drilling At Completion At:	D E P T H	B L O W S	Q u t s f	W %
				364.3				
Hard, dry, grey, Clay Shale				100/6"				
Cored 50.0 to 55.0 feet 73% Recovery; 0% RQD								
				309.3				
				55.0				
				80.0	Hard, dry, grey, Clay Shale			
Cored 55.0 to 60.0 feet 50% Recovery; 0% RQD								
				304.3				
				60.0				
				85.0	Hard, dry, grey, Clay Shale			
Cored 60.0 to 65.0 feet 85% Recovery; 32% RQD								
				299.3				
				65.0				
				90.0	Bottom of hole = 65.0 feet			
Free water observed at 23.0 feet								
Elevation referenced to BM @ North center pier, Elev. = 362.2 ft.								
				70.0	To convert "N" values to "N60" multiply by 1.25			
				95.0				
				100.0				
				75.0				

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

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USER NAME = dwd01573	DESIGNED - JGT	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 03/10/2014 10:50:37 AM	DRAWN - DAP	REVISED -
	CHECKED - JGT	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BORING LOGS Sheet (1 of 2)
STRUCTURE NO. 044-0061**

SHEET NO. 28 OF 29 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	110B-1	JOHNSON	52	51
CONTRACT NO. 78279				
ILLINOIS FED. AID PROJECT				