

**SOIL BORING LOG**

Date 04/22/2010

SKS No. 012058  
ROUTE DESCRIPTION Bridge Borings - Bridge over Buckhart Creek LOGGED BY T. Mathias / EK / WJ  
SECTION 08-00119-03-BR LOCATION CH 4, Cooper Township Buckhart Road SEC. 17 TWP. 14-15 RNG. 3W PM  
COUNTY Sangamon DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety Hammer

STRUCT. NO. Station	BORING NO. Station	Offset	Ground Surface Elev.	D (ft)	B (#")	U (tsf)	M (%)	Elevations										
								Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	After 24 Hrs							
084-0080	B-1	6.0 RT	103.4					68.3	66.1	82.4	103.4*	82.2						
4" Asphalt																		
8" Concrete																		
SILTY CLAY LOAM - Dk. Gray moist, stiff, low-med. plasticity, tr sand, tr gravel A-6				5	1.6	18												
				5														
				8														
				-5														
				4	1.0	10												
				5														
				7														
				4														
				7	0.9	21												
				13														
				-10														
				9	4.3	23												
				9														
				4														
				6	1.2	20												
				8														
				14.5														
SILTY CLAY LOAM - Greenish Gray, moist, stiff, low plasticity, tr sand, tr gravel A-6				-15														
				4														
				6														
				17.0														
CLAYEY SAND - Gray, saturated, med dense, fine-coarse, little gravel A-2-G				2														
				3														
				4														
				2														
				3														
				4														
				-20														

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS 137 (3/01)

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								Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	After 24 Hrs							
084-0080	B-1	6.0 RT	103.4					88.3	86.1	82.4	103.4*	82.2						
SANDY CLAY LOAM - Gray, moist, stiff, low plasticity, tr gravel A-6				6	0.3	24												
				7														
				22.0														
				1														
				1														
				1														
				-5														
				WO														
				WO														
				1														
				47.0														
SAND - Gray, saturated, med dense, fine-medium A-1-b				WO														
				8														
				12														
				-10														
				2														
				2														
				3														
				71.0														
				8														
				14														
				16														
				-15														
				4														
				6														
				10														
				9														
				14														
				24														
				-20														

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BBS 137 (3/01)

USER NAME = dheberling	DESIGNED - TJZ	REVISED -
FILE NAME = 06_SNB040480.dgn	CHECKED - SDS	REVISED -
PLOT DATE = 9/7/2011	DRAWN - DLH	REVISED -
PLOT TIME = 11:11:41 AM	CHECKED - TJZ/SDS	REVISED -

**WHKS & co.**  
ENGINEERING  
7018 KINGSMILL CT.  
SPRINGFIELD, IL  
(217) 483-9457  
DESIGN FIRM #184001036

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS  
STRUCTURE NO. 084-0480

SHEET NO. 10 OF 11 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
556	08-00119-04-BR	SANGAMON	25	17
				CONTRACT NO. 93556
ILLINOIS FED. AID PROJECT				