



Illinois Department
of Transportation
Division of Highways
District 2

SOIL BORING LOG

Page 1 of 2

Date 6/12/08

ROUTE FAP 614 DESCRIPTION IL-78 Over Panther Creek Overflow LOGGED BY M. Tappan

SECTION 144(B-4) LOCATION NW 1/4, SEC. 6, TWP. 18N, RNG. 9W, 4 PM

COUNTY Cass DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 009-2511 Station 992+03	D E P T H S	B L O W S	U C S Qu	M O I S T	Surface Water Elev. 460.1 ft Stream Bed Elev. 459.5 ft	D E P T H S	B L O W S	U C S Qu	M O I S T
BORING NO. 2 SW WWW Station 992+31 Offset 14.0 ft Rt Ground Surface Elev. 467.5 ft	(ft)	/6"	(tsf)	(%)	Groundwater Elev.: First Encounter 455.5 ft Upon Completion Washed ft After 4 Days Hrs. 464.5 ft	(ft)	/6"	(tsf)	(%)
Dk Gray Moist SILTY CLAY LOAM (Fill)					w/ some Med Sandy Gravel Washed Brown Moist Med. SAND (continued)				
	0			28					
	1	0.5			Gray Dirty Fine SAND				
	2	B							
	0								
Gray and Brown V. Moist	-5	1	0.3	20	Gray Med SAND	-23	3		
		1	B				3		
	0								
Lt Brownish Gray Moist SILTY CLAY LOAM	460.50	1	0.6	20					
		2	B						
	0								
Brown Moist Med. SAND	458.00	1			Tan	-30	4		
	-10	1					6		
		2					10		
	0								
Brown Wet Dirty SAND Free Water		0							
		1							
	0						15		
	-13	0			Gray Med to Coarse SAND w/ some Med Gravel	-35	24		
		0					29		
	0								
Tan Med to Coarse SAND		1							
	0								
					Gray Moist SILTY CLAY drilled stiff @ 38ft	429.50			
		2					10		
Brown Med to Coarse SAND	-20	3				-40	6	2.9	18

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



Illinois Department
of Transportation
Division of Highways
District 8

SOIL BORING LOG

Page 2 of 2

Date 6/12/08

ROUTE FAP 614 DESCRIPTION IL-78 Over Panther Creek Overflow LOGGED BY M. Tappan

SECTION 144(B-4) LOCATION NW 1/4, SEC. 6, TWP. 18N, RNG. 9W, 4 PM

COUNTY Cass DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 009-2511 Station 992+03	D E P T H S	B L O W S	U C S Qu	M O I S T	Surface Water Elev. 460.1 ft Stream Bed Elev. 459.5 ft	D E P T H S	B L O W S	U C S Qu	M O I S T
BORING NO. 2 SW WWW Station 992+31 Offset 14.0 ft Rt Ground Surface Elev. 467.5 ft	(ft)	/6"	(tsf)	(%)	Groundwater Elev.: First Encounter 455.5 ft Upon Completion Washed ft After 4 Days Hrs. 464.5 ft	(ft)	/6"	(tsf)	(%)
	427.00	11	B						
Boring Complete									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

FILE NAME =	USER NAME = sparksgw	DESIGNED - GB	REVISED -
c:\pw\work\pwidot\sparksgw\0279951\0092511-72855-009-BOR.dgn		CHECKED - MCB	REVISED -
	PLOT SCALE = 0:2.000000 'ft' / in.	DRAWN - MML	REVISED -
CB PROJECT NO. 07048-14	PLOT DATE = Sep-01-2011 06:59:50AM	CHECKED - MCB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 009-2511

SHEET NO. 9 OF 9 SHEETS



Coombe-Bloxdorf P.C.
- CIVIL ENGINEERS -
- STRUCTURAL ENGINEERS -
- LAND SURVEYORS -

Design Firm License No. 184-002703

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	144(B-4)	CASS	97	53
				CONTRACT NO. 72855
ILLINOIS FED. AID PROJECT				