



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 5/27/09

ROUTE FAP 828 (IL 121) DESCRIPTION Box Culvert over Un-named Stream LOGGED BY E.Sandschafer

SECTION (108,109,110)RS-3 LOCATION Sec 27 - SW 14, Sec 34 - NW 14, SEC., TWP. 10 N, RNG. 8 E, 3 PM

COUNTY Cumberland DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 018-8638
Station 545+02.84
BORING NO. 1 West Side
Station 544+72
Offset 8.50ft
Ground Surface Elev. 594.06 ft

Depth (ft)	D	B	U	M	Surface Water Elev.	F	B	U	M
(ft)	(6")	(tsf)	(%)		ft	(ft)	(6")	(tsf)	(%)
593.16					573.59	1	0.3	22	
					571.84	2	B		
	1				572.06	0			
	2	0.9	21		571.56	2		11	
	3	B				2			
	1				569.06	26			
	1	0.8	23		509"	509"		9	
	1	B			501"	501"			
	1				587.06	504"		8	
	1	0.4	23		566.56	502"			
	1	B				501"			
	0				584.56				
	1	1.8	25						
	2	B							
	0				582.06				
	1	0.8	36						
	1	B							
	1								
	1	0.7	23						
	1	B							
	0				577.06				
	1	1.5	17						
	3	B							
	0				574.56				
	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, form 137 (Rev. 8-99)



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COUNTY Cumberland DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 018-8638
Station 545+02.84
BORING NO. 2 East Side
Station 545+28
Offset 9.00ft
Ground Surface Elev. 593.88 ft

Depth (ft)	D	B	U	M	Surface Water Elev.	F	B	U	M
(ft)	(6")	(tsf)	(%)		ft	(ft)	(6")	(tsf)	(%)
592.78					573.59	6	1.3	16	
					571.84	502"	S		
	1				571.88	505"		8	
	1	1.2	19		571.38	502"			
	1	B				500"			
	1								
	1	1.0	20						
	1	B							
	0				596.88				
	1	0.7	27						
	1	B							
	0								
	1	0.5	24						
	2	B							
	0				581.88				
	1	1.0	25						
	2	B							
	0								
	1	1.2	28						
	2	B							
	1				576.88				
	3	1.2	13						
	4	S							
	2				574.38				
	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, form 137 (Rev. 8-99)

DESIGNED - DAVID L. GREIFZU
CHECKED - MICHAEL D. ROLAPE
DRAWN - MICHAEL B. MOSSMAN
CHECKED - D.L.G. / M.D.R.

EXAMINED
PASSED
Thomas J. Demas
ENGINEER OF BRIDGES AND STRUCTURES

DATE - August 1, 2011

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 018-8311

SHEET NO. 6 OF 6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(108,109,110)RS-3	CUMBERLAND	56	44
CONTRACT NO. 74252			ILLINOIS FED. AID PROJECT	