


BORING LOGS

EXISTING CULVERT AT STATION 105+81.5
STATIONS OF BORING 105+91.5
ELEVATION 99.5 = ELEVATION (EXISTING) 919

EXISTING CULVERT AT STATION 105+81.5
STATIONS OF BORING 105+61.5
ELEVATION 99.6 = ELEVATION (EXISTING) 919.5



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 3/29/13

ROUTE IL 78 DESCRIPTION P92-013-10 Box culvert on Canyon Road, .25 m. E. of Fiedler Road LOGGED BY W. Garza

SECTION _____ LOCATION Rush Twp. - 2SW, SEC. , TWP. 28N, RNG. 4E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T ure	Soil Description				
					Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft	Upon Completion _____ ft	
043-C001 B-1d 10' E 15.00ft N CL 99.5	(ft)	(/6")	(tsf)	(%)	VERY DENSE tan weathered LIMESTONE (continued)	4	80		
97.50	6	1.8	22		End of Boring				
96.00	6	2.0	23						
93.50	2	0.5	29						
91.00	2	0.4	18						
88.50	0								
86.00	3	0.5	26						
83.50	3	0.7	29						
80.50	3	1.6	30						
	2								

Lat.: 42.444725
Long.: -90.019881
STIFF brown CLAY LOAM

VERY STIFF tan LOAM with ROCK

MEDIUM brown SILTY CLAY LOAM

SOFT brown SILTY CLAY LOAM

No Recovery


MEDIUM gray SILTY LOAM

MEDIUM gray SILTY LOAM

STIFF dark gray CLAY LOAM

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, from 137 (Rev. 8-99)



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STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T ure	Soil Description				
					Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft	Upon Completion _____ ft	
043-C001 B-2d 20' W 14.00ft S CL 99.6	(ft)	(/6")	(tsf)	(%)	VERY DENSE tan weathered LIMESTONE (continued)	4	80		
97.60	2	0.5	21		SOFT tan LOAM with ROCK				
96.10	4	0.4	25						
93.60	2	0.9	25		MEDIUM tan/light brown SILTY CLAY LOAM with ROCK				
91.10	6	0.8	17		MEDIUM tan SANDY LOAM				
88.60	3	1.1	25		STIFF light brown SILTY CLAY LOAM				
86.10	3	1.1	27		STIFF light brown SILTY CLAY LOAM				
83.60	1	0.7	26		MEDIUM light brown SILTY CLAY LOAM				
80.60	2	1.3	28		STIFF light brown SILTY CLAY LOAM				
	9								

Lat.: 42.444651
Long.: -90.020010
MEDIUM brown LOAM

SOFT tan LOAM with ROCK

MEDIUM tan/light brown SILTY CLAY LOAM with ROCK

MEDIUM tan SANDY LOAM

STIFF light brown SILTY CLAY LOAM

STIFF light brown SILTY CLAY LOAM

MEDIUM light brown SILTY CLAY LOAM

STIFF light brown SILTY CLAY LOAM

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