Illinois Department of Transportation
Division of Highways
IDOT - Region 3/Dist 5

SOIL BORING LOG

Date 11/13/09

ROUTE FAP 749 (IL 133) DESCRIPTION 3.5 Miles East of Redmon on IL 133 over Drainage Ditch #7 LOGGED BY CNA

SECTION 14BR LOCATION SW, SEC. 31, TWP. 14N, RNG. 12W, 2nd PM GPS: 39.622617N, 87.794794W

COUNTY Edgar DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 023-0016 (Exist.)
Station 418+20.43

BORING NO. 1 NW Abut.
Station 418+05
Offset 15.0 ft Lt.
Ground Surface Elev. 689.9 ft

Surface Water Elev. 675.0 ft
Stream Bed Elev. 673.0 ft

Groundwater Elev.:
First Encounter 673.9 ft ▼
Upon Completion Wash Bored ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gravel - Shoulder Stone	689.9				
	688.9				
Black Sandy Clay Loam (Embankment)			3		
			3		16
		-5	3		
	683.9				
Black/Gray Silty Clay Loam (Embankment)			2		
			1	1.2	23
			3	B	
	681.9				
Brown Well Sorted Fine Sand			2		
			4		
		-10	3		
			4		
			2		23
			3		
	676.4				
Black Silty Clay Loam			2		
			1		30
		-15	1		
	674.4				
Black to Brown Mottled Silty Clay ▼			2		
			1	1.0	25
			3	E	
	671.9				
Gray Dirty Poorly Sorted Coarse Sand with Gravel			3		
		-20	3		
Gray Dirty Poorly Sorted Coarse Sand with Gravel *(continued)*			6		
			12		
			15		
			4		
			8		
		-25	12		
			9		
			16		
		-30	15		
			7		
Gray Sandy Clay Loam Till	655.9		6	4.9	11
		-35	15	B	
	651.9				
Gray Silt			9		
			8		26
		-40	14		

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
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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First Encounter 673.9 ft ▼
Upon Completion Wash Bored ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Silt *(continued)*					
	647.9				
Dark Gray Mottled Clay Loam Till			5		
			3	2.5	20
		-45	4	B	
	641.9				
Gray Sandy Clay Loam Till			8		
			11	8.7	8
		-50	21	S	
			21		
			35	9.6	8
		-55	44	S	
(Drilled Very Hard From 56' to 59')					
			6		
(Sand Seam)			37		8
	629.9	-60	50-1"		

End of Boring

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
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BBS, from 137 (Rev. 8-99)

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BLANK, WESSELINK, COOK & ASSOCIATES DECATUR, ILLINOIS ENGINEERS - CONSULTANTS DESIGN FIRM NO. 184000894

FILE NAME =	USER NAME =	DESIGNED - PBB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING NO. 1 STRUCTURE NO. 023-0034	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		CHECKED -	REVISED -			749	14BR	EDGAR	115 / 59
	PLOT SCALE =	DRAWN - RJC	REVISED -					CONTRACT NO. 70618	
	PLOT DATE =	CHECKED -	REVISED -		SHEET NO. 19 OF 21 SHEETS			ILLINOIS FED. AID PROJECT	