Illinois Department of Transportation
Division of Highways
Illinois dot

SOIL BORING LOG

Page 1 of 1

Date 8/28/12

ROUTE (FAP 311) IL 71 DESCRIPTION IL 71 over a Stream, 6.4 miles North of I-80 LOGGED BY Larry Myers

SECTION 4 LOCATION SW 1/4, SEC. 5, TWP. 34N, RNG. 5E

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-2567 (Exist.)
Station 462+40

BORING NO. 1 (S.E. Quad.)
Station 462+12
Offset 20.00ft Rt.
Ground Surface Elev. 641.99 ft

Surface Water Elev. ft
Stream Bed Elev. 634.32 ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Brown & Gray Sand/Gravel Shoulder Fill & Black Silty Clay Loam Fill					
	639.49				
Stiff to Very Stiff Black & Gray Silty Clay Loam Fill			2		
			2	2.0	33.9
			2	P	
		-5			
			2		
			1	1.5	43.3
			2	P	
	634.99				
Hard Gray & Brown Silty Clay					
			2		
			3	4.0	24.3
			4	S	
		-10			
			3		
			5	7.1	23.4
			8	S	
	629.99				
Hard Grayish Brown Silty Clay					
			4		
			6	7.2	23.8
			8	S	
		-15			
			5		
			7	6.8	26.9
			9	S	
			6		
			8	7.2	24.6
			9	S	
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Grayish Brown Silty Clay (continued)			7		
			9	7.1	25.0
			12	S	
			9		
			9	7.3	25.5
			11	S	
		-25			
			8		
			12	6.4	27.3
			14	S	
			10		
			12	6.6	24.3
			12	S	
		-30			
			10		
			12	6.6	22.6
	610.49		14	S	
End of Boring					
		-35			
		-40			

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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SECTION 4 LOCATION SW 1/4, SEC. 5, TWP. 34N, RNG. 5E

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-2567 (Exist.)
Station 462+40

BORING NO. 2 (N.W. Quad.)
Station 462+63
Offset 18.00ft Lt.
Ground Surface Elev. 642.01 ft

Surface Water Elev. ft
Stream Bed Elev. 634.36 ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Brown & Gray Shoulder Stone & Black Silty Clay Loam Fill					
	639.51				
Very Stiff Gray & Brown Silty Clay & Black Silty Clay Loam Topsoil Fill			2		
			3	2.0	24.9
			3	P	
	637.01	-5			
Very Stiff Brown & Gray Silty Clay Loam Loess			2		
			3	2.0	28.9
			4	P	
	634.51				
Hard Brown & Gray Silty Clay			5		
			7	6.4	21.9
			11	S	
		-10			
			7		
			9	7.1	21.7
			14	S	
			5		
			7	6.7	27.2
			10	S	
		-15			
			5		
			5	6.1	22.9
			9	S	
	625.01				
Hard Grayish Brown Silty Clay					
			8		
			9	6.4	27.8
			10	S	
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Grayish Brown Silty Clay (continued)			9		
			9	6.4	28.9
			11	S	
			6		
			8	6.2	28.1
			9	S	
		-25			
			7		
			9	6.6	26.2
			11	S	
			8		
			8	6.6	27.1
			11	S	
		-30			
			9		
			10	6.8	25.5
	610.51		12	S	
End of Boring					
		-35			
		-40			

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)

FILE NAME =	USER NAME = petelyj	DESIGNED - RS	REVISED -
pi\pw_work\pwidot\petelyj\d0311733\D366C40-sht-details.dgn		DRAWN - RS	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - RW	REVISED -
	PLOT DATE = 4/3/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS FOR LOCATION 2: SN 050-2567

SCALE: SHEET 6 OF 6 SHEETS STA. 462+40

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	D3 WW REPAIR 2014-1	*	41	17
	*KENDALL & LASALLE	CONTRACT NO. 66C40		
	ILLINOIS FED. AID PROJECT			