



SOIL BORING LOG

Page 1 of 2

Date 12/3/07

ROUTE FAP 870 (IL 53) DESCRIPTION Over the East Branch of the DuPage River LOGGED BY Kabir Ahmad

SECTION 533X LOCATION SEC. 13, TWP. 39 N, RNG. 10 E

COUNTY DuPage DRILLING METHOD Mud Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 022-0181 (prop.) Station 022-0077 (exist.)	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. _____ ft	D E P T H	B L O W S	U C S	M O I S T	Stream Bed Elev. _____ ft
BORING NO. B-7 Station 916+15 Offset 19.00ft Lt Ground Surface Elev. 687.30 ft	(ft)	(blows)	(tsf)	(%)	Groundwater Elev.: First Encounter 677.3 ft ▼ Upon Completion _____ ft After _____ Hrs. _____ ft	(ft)	(blows)	(tsf)	(%)	

4" Asphalt over concrete and gravel	688.30				Silt, some sand, gray, wet, loose					
Silty clay, some stone, brown, very stiff	3	2.6	11.0			2	1.8	23.0		
	4	P	18.0			3	P			
684.30					684.30					
Silty clay, trace stone and topsoil, brown and rust-brown, very stiff	2	3.1	19.0		Stone and gravel, some silt, gray, wet, medium dense	11		12.0		
	2	S				5				
	2					7				
681.30					681.30					
Silty clay and sand, some topsoil, loose	2				Silty clay, trace stone, gray, very stiff	2	2.6	19.0		
	2					1	P			
	3					5	P			
	2				659.30					
	3		20.0		Silty clay, trace stone, gray, stiff	3				
	3					4	1.4	20.0		
	3					4	P			
676.30					659.30					
Silty clay, some topsoil and sand, moist, dark gray, loose	2	2.1	24.0			3		15.0		
	2	P				3				
	1	1.4	17.0			3				
	2	P				5				
	15					36				
671.30					651.30					
Fine to coarse sand, some clay, gray, wet, loose	3		16.0		Silty clay, some stone, gray, very stiff					
	3									
	4									
	2					13				
	3		20.0			14	2.4	13.0		
	3					17	P			
667.30						17	P			

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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BORING NO. B-7 Station 916+15 Offset 19.00ft Lt Ground Surface Elev. 687.30 ft	(ft)	(blows)	(tsf)	(%)	Groundwater Elev.: First Encounter 677.3 ft ▼ Upon Completion _____ ft After _____ Hrs. _____ ft	(ft)	(blows)	(tsf)	(%)	

Silty clay, some stone, gray, very stiff (continued)										
645.30					645.30					
Weathered limestone, some silt, light gray, wet, dense										
						18		18.0		
						56				
						37				
						45				
640.30					640.30					
Weathered limestone silt, some stone, light gray, wet, dense										
						37				
						32		15.0		
						36				
637.30					637.30					
End of Boring										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BORING NO. B-8 Station 916+08 Offset 20.00ft Lt Ground Surface Elev. 687.20 ft	(ft)	(blows)	(tsf)	(%)	Groundwater Elev.: First Encounter 677.2 ft ▼ Upon Completion _____ ft After _____ Hrs. _____ ft	(ft)	(blows)	(tsf)	(%)	

8" Asphalt over crushed stone					Silt, some clay, gray, wet, loose (continued)					
685.70					685.70					
Silty clay, some stone, brown, very stiff	4	2.6	22.0			1				
	8	P				2	1.4	22.0		
						4	P			
684.20					684.20					
Silty clay, some topsoil and stone, gray and dark gray, wet, medium stiff	3	0.8	28.0		Fine to coarse sand, gray, wet, medium dense	5				
	4	B				7		14.0		
	5					15				
	2					29				
681.20					681.20					
Silty clay, some organics, gray and black, medium stiff	2	0.8	32.0			35		12.0		
	2	B				29				
	2				659.20					
679.20					659.20					
Silty clay, some stone, trace topsoil, gray, stiff	2				Silty clay, gray, stiff	4				
	3	1.2	21.0			5	1.1	21.0		
	5	B				5	P			
	10					30				
676.20					676.20					
Fine to coarse sand, some gravel and clay, gray, moist to wet, loose	0									
	3		14.0							
	3									
	3					2				
	3					10	1.9	13.0		
	5					10	P			
	15					35				
671.20					671.20					
Fine to coarse sand, some gravel, gray, wet, loose	4		15.0							
	3									
	5									
	3									
669.20					669.20					
Silt, some clay, gray, wet, loose	3	2.6	21.0			4				
	3	P				3	1.1	15.0		
	3					5	P			
	20					40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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STR-23 OF 26



DESIGNED - LJH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.P. ROUTE 870 (ILLINOIS 53) OVER EAST BRANCH DUPAGE RIVER				F.A. RTE. 870	SECTION 533-X-B-R-1	COUNTY DuPAGE	TOTAL SHEETS 87	SHEET NO. 60
DRAWN - FJD	REVISED -		SOIL BORING LOGS								
CHECKED - JSS	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.								
DATE - 10/15/08	REVISED -		CONTRACT NO. 60895								