



### SOIL BORING LOG

PAGE 1 of 2  
 DATE 9/1/2011  
 LOGGED BY DR  
 GSI JOB No. 10181-D

ROUTE FAP 876 (IL Rte. 1) DESCRIPTION Halsted Street Bridge Over The IC RR (Abandoned), Glenwood, IL.  
 SECTION 2011-032-BR LOCATION Thorton Township, SEC 33, T 36 N, R 14 E, 3rd PM  
 COUNTY Cook DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 016-2859 Existing  
 Station 94+45 (100+00.02)  
 BORING NO. B-02  
 Station 93+99 (99+54.02)  
 Easting 20' Right  
 Ground Surface Elev. 634.7

DEPTH (ft)	BLOW S (blows/6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOW S (blows/6")	UCS (tsf)	MOIST (%)
633.6				6.0" ASPHALT, 7.0" CONCRETE				
4			97	CLAY LOAM—dark brown & gray—stiff (A-6) Fill	7			
2	1.3S				7			
1	12.7	24			12	NP	23	
2			101	SANDY LOAM—gray—loose to medium dense (A-4)	4			
3					4			
-5	4	1.4B	25		-25	4	NP	22
629.2				SANDY LOAM—dark brown—very loose to medium dense (Fill)	9			
2					11			
2		NP	13		9	NP	19	
2				SANDY LOAM—gray—medium dense (A-2)	6			
1					9			
-10	11	NP	14		-30	9	NP	25
624.2				SAND & GRAVEL—brown—loose (A-1)				
5								
4		NP	8					
621.7				SAND & GRAVEL—gray—medium dense (A-1)	14			
3		105			16			
-15	6	3.8B	22		-35	9	NP	9
619.2				SANDY LOAM—brown & gray—medium dense (A-4)				
2								
3					597.7			
616.7				SILTY CLAY LOAM—gray—medium dense (A-4)	7			
2					8			
5					-40	7	4.0P	12
-20	10	2.75P	22					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B—Bulge, S—Shear, P—Penetrometer) ST—Shelby Tube Sample VS—Vane Shear Test  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
 NR—No Recovery



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				SILTY CLAY LOAM—gray—medium dense (A-4)				
				592.7				
				GRAVEL—gray—very dense (A-1-a)				
				50/1"				
				-45	NP	6		
				588.2				
				Drillers Observation: Apparent Bedrock. 587.7				
				Silurian System, Niagaran System Dolomite—RUN 1 (-47.0' to -57.0')				
				Light gray & fine grained with horizontal bedding. Highly fractured from -49.0' to -49.2'. Horizontal fractures at -50.2' & -50.4'. Highly fractured from -50.9' to -51.1'. Horizontal fractures at -52.0', 52.1', -52.2', -53.7', -54.5', -55.2', -55.9' & -56.3'.				
				Recovery=100.0% R.Q.D.=91.5% 100.0% Water Loss @ -50.0'				
				577.7				
				End Of Boring @ -57.0' Hollow Stem Augers To -15.0' Rotary Drilling To Completion CME Automatic Hammer 15.0' Of 4.0" Casing Used 49.0' Of 3.0" Casing Used				
				-60				

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Note:  
 Stations provided are based on 1968 plan sheets.  
 94+45.00 (1968) = 100+00.02 (Proposed).  
 Stations for proposed are 5+55.02 forward and adjusted such in parentheses.