STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING RW-4 (1 OF 2)

Illinois Department of Transportation
Division of Highways
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 1 of 2

Date 10/19/05

ROUTE F.A.U. 2578 (IL53) DESCRIPTION Retaining Wall, sta. 169+00 Lt. LOGGED BY M. Esposito

SECTION 532B LOCATION SW 1/4, SEC. 7, TWP. 40N, RNG. 11E, 3rd PM

COUNTY DuPage DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO.
Station

BORING NO. RW-4
Station 170+00
Offset 28.00ft Lt
Ground Surface Elev. 695.04 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 682.0 ft
Upon Completion 684.5 ft
After 24 Hrs. 683.0 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown SILTY CLAY w/Organics and Coarse Sand & Gravel					6.0
	693.04				
Loose Brown Fine SAND w/ trace Organics			4		
			3		11.0
			3		
		-5			
	689.54		3		
Medium Stiff Gray SILTY CLAY w/ fine Sand			3	1.1	18.0
Encountered a Cobble @ approx. 8.4 ft.			9	B	
					3.0
Encountered a Cobble @ approx. 7.5 ft. Note: Poor Recovery			11		
			10		
			5		
	685.54				
Loose Gray Fine to Course SAND		-10			
			6		
			6	3.8	9.0
			5	P	
			2		
			2		23.0
			4		
		-15			
			2		
			3		25.0
			4		
Note: Begin Washing @ 16.5 ft.					
			2		
	678.54		3		
Soft Gray SANDY CLAY LOAM w/ trace fine sand			2	0.5	22.0
		-20		P	
	674.54				
Very Soft SILT w/ trace Fine Sand			2		
			3	0.2	19.0
			4	B	
Note: Finished Washing @ 21.5 ft.	673.04				
Soft to Medium Stiff Gray SILTY CLAY w/ Coarse Sand and Pebbles			2		
			5	0.6	13.0
			5	B	
		-25			
			0		
	669.04		0	0.2	16.0
Very Loose Gray SILT LOAM			3	B	
			0		
			1		27.0
			2		
		-30			
			2		
			2		24.0
			1		
	662.04				
Very Loose Gray Fine SAND					
		-35			
			0		
			0		23.0
			2		
		-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, from 137 (Rev. 8-99)

BORING RW-4 (2 OF 2)

Illinois Department of Transportation
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SOIL BORING LOG

Page 2 of 2

Date 10/19/05

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SECTION 532B LOCATION SW 1/4, SEC. 7, TWP. 40N, RNG. 11E, 3rd PM

COUNTY DuPage DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO.
Station

BORING NO. RW-4
Station 170+00
Offset 28.00ft Lt
Ground Surface Elev. 695.04 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 682.0 ft
Upon Completion 684.5 ft
After 24 Hrs. 683.0 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Loose Gray Fine SAND (continued)			2		
			4		24.0
Note: Begin Washing @ 41 ft.			5		
2 inch Silt Seam @ approx. 45 ft.		-45			
			6		
			8		25.0
			11		
		-50			
			8		
			10		22.0
			11		
		-55			
			9		24.0
			9		
Grades to Coarse 1 inch Silt Seam @ approx. 56.5 ft.			8		13.0
		-60			
Very Loose Gray Fine SAND (continued)	634.04		11		
			8		10.0
Medium Dense Gray Fine GRAVEL			9		
		-65			
			8		
			9		11.0
			8		
		-70			
			11		
			10		10.0
			14		
	623.54				
Note: Washed Boring From 16 ft. to 21.5 ft. and 41 ft to 71.5 ft. State Plane Coordniates: Northing 1929788.006, Easting 1068300.035 End of Boring					
		-75			
		-80			

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)

SOIL BORING LOGS (3 OF 4)
ILLINOIS ROUTE 53 (FAU 2578)
RETAINING WALL
FAU 2578 SECTION 532B
STRUCTURE NO. 022-W031
DUPAGE COUNTY
STA. 168+30.00 TO STA. 170+40.00

ZROKA engineering
Zroka Engineering, P.C.
4216 North Hermitage
Chicago, IL 60613

Date: 04-10-09 Drawn By: SW Checked By: LS

SHEET NO. 9	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2578	532B	DUPAGE	117	79
OF 10 SHEETS	SN 022-W031		CONTRACT NO. 62881		
DATE: 6/12/09	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

6/10/2009 5:33:33 PM Q:\DOT\9356_A0_IL53\SpringBrook\Drawings\Branco_Zroka\62881-009-SoilBoringLogs3.dgn