STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING RW-1 (1 OF 2)

Illinois Department of Transportation
Division of Highways
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 1 of 2
Date 10/21/05

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-1
Station 168+42
Offset 30.00ft Lt
Ground Surface Elev. 692.68 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 672.7 ft
Upon Completion 680.7 ft
After 24 Hrs. 682.2 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dark Brown SILTY CLAY w/Organics and trace Fine Sand					16.0
	690.68				
Soft To Very Stiff Brown/Gray SILTY CLAY w/trace Fine Sand			2		
			3	2.4	16.0
			4	B	
		-5			
			3		
Encountered a Cobble @ approx. 5.5 ft.			5	2.8	24.0
			5	S	
				@15%	
			3		
			3	2.3	16.0
			4	B	
		-10			
Grades to Gray w/more Sand			2		
			2	1.0	13.0
			3	B	
			0		
			2	0.4	21.0
			3	B	
		-15			
			2		
			3	1.9	17.0
			4	B	
1 inch Sand Seam @ approx. 17.8 ft.					
			6		
			10	2.5	13.0
			14	B	
Loose Gray Coarse SAND	573.18	-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose Gray Coarse SAND *(continued)*			0		
			2		26.0
			5		
			1		
	669.18		2		23.0
Medium Dense Gray SANDY LOAM			11		22.0
Note: Begin Washing @ 24 ft.	668.18				
Medium Dense To Dense Gray Fine GRAVEL		-25	13		10.0
Encountered a Cobble @ approx. 25.5 ft.			14		
Note: Poor Recovery			12		
			15		
Grades to Coarse GRAVEL			8		12.0
			5		
	663.18				
Very Stiff Gray SILTY CLAY w/trace Coarse Sand		-30	3		
Note: Finished Washing @ 30.5 ft.	661.68		5	2.8	22.0
Loose Gray Coarse SAND			9	B	
		-35	3		29.0
	656.68		4		
Loose Gray SANDY LOAM			6		21.0
		-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-1 (2 OF 2)

Illinois Department of Transportation
Division of Highways
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 2 of 2
Date 10/21/05

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-1
Station 168+42
Offset 30.00ft Lt
Ground Surface Elev. 692.68 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 672.7 ft
Upon Completion 680.7 ft
After 24 Hrs. 682.2 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose Gray SANDY LOAM *(continued)*	652.18		1		
Stiff Gray SILTY CLAY w/trace Coarse Sand			3	1.2	16.0
			3	B	
	649.68				
Very Loose Gray Coarse SAND					
		-45			
	647.18		3		
Very Soft to Stiff Gray SANDY CLAY LOAM			5		21.0
			3		
		-50			
			0		
			2	1.5	17.0
			4	P	
		-55			
			0		
			0	0.0	25.0
			0	P	
Note: Begin Washing @ 56.5 ft.					
		-60			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Soft to Stiff Gray SANDY CLAY LOAM *(continued)*			5		
			8		20.0
			10		
		-65			
			8		
			10		10.0
			10		
		-70			
			7		
			10	0.4	17.0
			3	S	
				@15%	
1 inch Gravel Seam @ approx. 71.0 ft.	621.18				
Note: Washed Boring From 24 ft. to 30.5 ft., and 56.5 ft. to 71.5 ft. State Plane Coordniates: Northing 1929585.556, Easting 1066299.238					
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)

BORING RW-2 (1 OF 2)

Illinois Department of Transportation
Division of Highways
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 1 of 2
Date 10/20/05

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-2
Station 168+97
Offset 29.00ft Lt
Ground Surface Elev. 693.47 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 680.5 ft
Upon Completion 681.5 ft
After 24 Hrs. 682.0 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown SILTY CLAY w/Organics and Coarse Sand					13.0
	691.47				
Hard Brown SILTY CLAY w/trace Fine Sand			4		
			5	5.0	16.0
			7	B	
		-5			
			4		
Grades to Gray			7	4.1	15.0
			10	B	
	685.47		5		13.0
Medium Stiff Gray SILTY LOAM	684.97		7	4.5	14.0
Loose Gray Coarse SAND			6	P	9.0
		-10			
			3		
			4		21.0
			5		
2 inch Silt Seam @ approx. 11.3 ft.	681.47				
Medium Dense Gray Coarse SAND and GRAVEL			3		
			6		13.0
			6		
		-15			
			3		
			6		13.0
			6		
Note: Begin Washing @ 17 ft.					
			5		14.0
	674.97		3		
Very Stiff Gray SILTY CLAY w/trace Fine Sand			4	2.4	20.0
				B	
	673.47	-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose Gray Coarse SAND			2		
			3		18.0
			4		
Note: Finished Washing @ 21.5 ft.	671.47				
Loose Gray SANDY LOAM			1		
			2		24.0
			3		
		-25			
			1		
2 inch Sand Seam @ approx. 25.3 ft.			2		22.0
			4		
	668.47				
Loose Gray Coarse SAND					
	685.47		3		
Soft to Stiff Gray SILTY CLAY w/trace Fine Sand			5	1.4	13.0
			9	B	
		-30			
			2		
Grades w/more Silt	662.47		4	0.4	23.0
Very Loose Gray Fine SAND			2	B	
	680.47				
Very Soft Gray SANDY CLAY LOAM					
		-35			
			0		
			0	0.4	22.0
			2	B	
Note: Begin Washing @ 36.5 ft.					
	655.47				
Loose Gray Fine to Coarse SAND					
		-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)

SOIL BORING LOGS (1 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. 7	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2578	532B	DUPAGE	117	77
OF 10 SHEETS	SN 022-W031		CONTRACT NO. 62881		
DATE: 6/12/09	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

6/10/2009 5:13:01 PM Q:\2007\9356_AD_IL53\SpringBrook\Drawings\Branco_Zroka\62881-007-SoilBoringLogs1.dgn