

### SOIL BORING LOG

Page 1 of 1

Date 4/12/10

ROUTE FAU 2578 (IL 53) DESCRIPTION Near US Route 20 LOGGED BY M. Dell  
 SECTION 532B LOCATION SW 1/4, SEC. 18, TWP. 40 N, RNG. 11 E, 3<sup>rd</sup> PM  
 COUNTY Cook DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T
BORING NO. TW-1 Station 112+02 Offset 47.00ft Rt Ground Surface Elev. 726.44 ft					721.76 ft 706.4 ft				
					715.9 ft				
Topsoil (Approx. 4 inches)					726.44				
Brown SAND and GRAVEL									
					703.94				
Very Stiff Dark Gray SILTY CLAY									
					721.44				
Medium Stiff to Stiff Gray and Brown SILTY CLAY Sample 2 - Partially disturbed; pushed rock									
					700.19				
End of Boring									
With occasional sand seams Stiff to Very Stiff Brown and Gray CLAY, trace sand and gravel					719.94				
Grades to gray									
Silty sand seam at 13.5 ft									
Silty sand seam at 18.5 ft									
					706.94				

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 LOG

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Date 3/31/10

ROUTE FAU 2578 (IL 53) DESCRIPTION Near US Route 20 LOGGED BY M. Esposito  
 SECTION 532B LOCATION SW 1/4, SEC. 18, TWP. 40 N, RNG. 11 E, 3<sup>rd</sup> PM  
 COUNTY Cook DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T
BORING NO. TW-2 Station 112+97 Offset 46.00ft Rt Ground Surface Elev. 727.20 ft					721.76 ft 710.2 ft				
					722.2 ft				
Dense Brown SAND and GRAVEL, with clay and organics (Fill)									
					722.70				
Medium Stiff Black SILTY CLAY, trace to with organics									
					718.45				
Grades with some gray									
Medium stiff Gray ORGANIC CLAY									
					715.20				
Very Soft Gray CLAY									
					712.20				
Medium Stiff Gray LOAM Approx. 2-inch thick gray fine sand seam at 15.5 ft									
					710.20				
Loose Gray Coarse SAND									
					707.20				

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 LOG

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Date 3/8/10

ROUTE FAU 2578 (IL 53) DESCRIPTION Near US Route 20 LOGGED BY M. Dell  
 SECTION 532B LOCATION SW 1/4, SEC. 18, TWP. 40 N, RNG. 11 E, 3<sup>rd</sup> PM  
 COUNTY Cook DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T
BORING NO. TW-2A Station 112+92 Offset 46.00ft Rt Ground Surface Elev. 727.20 ft					721.76 ft NA ft				
					NA ft				
Boring TW-2A was drilled at an offset of about 5 ft south of Boring TW-2 in order to gain additional deeper subsurface information. Sampling in Boring TW-2A began at 20 feet.									
Loose Gray SILTY LOAM, with gravel					706.20				
Stiff Gray CLAY LOAM									
					704.70				
Very Stiff Gray CLAY, with sand, trace gravel									
With occasional sand seams Grades to trace sand					701.20				
Stiff Gray and Brown CLAY LOAM, with occasional silt seams									
					699.70				
Stiff to Very Stiff Gray CLAY, trace sand and gravel									
With occasional sand seams									
Grades to with sand									

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)

DESIGNED - N/A
CHECKED - N/A
DRAWN - A.Y.
CHECKED - R.L.D.

### BORING LOGS


 PATRICK  
ENGINEERING  
 PATRICK ENGINEERING INC.  
4970 VARSITY DRIVE  
LISLE, IL 60532  
patrickengineering.com

SHEET NO. S24 OF S25	F.A.P RTE. 2578	SECTION 532B	COUNTY DUPAGE	TOTAL SHEETS 781	SHEET NO. 603
	CONTRACT NO. 60477				
12/3/2010		ILLINOIS FED. AID PROJECT			