

Illinois Department of Transportation
Division of Highways
Applied Geotechnics

SOIL BORING LOG Page 1 of 1 Date 6/16/10

ROUTE FAU 1537 DESCRIPTION LOCATION SEC. TWP. RNG. LOGGED BY FM

COUNTY Cook DRILLING METHOD SS HAMMER TYPE

STRUCT. NO.	Station	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	DESCRIPTION
		613.23		29.1		Clay, topsoil, black					
		611.23		15.0		Silly clay, some stone, sand & topsoil, dark, gray, stiff					
		609.23		26.3		Silly clay, trace gravel, dark brown, very stiff					
		607.23		20.0		Silly clay, trace gravel & sand, brown & gray, hard					
		603.23		18.4		Silt, trace clay & sand, dry, gray, medium dense					
		602.41		17.7		Silly clay, trace gravel & sand, gray, hard					
		602.41		17.1		Silly clay, trace gravel & sand, gray, hard					
		577.23		17.6		Silt, trace clay, dry, gray, very dense					
		574.23		8.7							

End of Boring
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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SOIL BORING LOG Page 1 of 1 Date 6/14/10

ROUTE FAU 1537 DESCRIPTION LOCATION SEC. TWP. RNG. LOGGED BY FM

COUNTY Cook DRILLING METHOD SS HAMMER TYPE

STRUCT. NO.	Station	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	DESCRIPTION
		614.41		20.7		1" Asphalt over 6" crushed stone & silty clay					
		610.41		19.0		Clay, trace sand & gravel, gray, hard to very stiff (continued)					
		607.41		16.0		Clay, trace sand & gravel, gray, very stiff					
		604.41		25.3		Silt, trace clay & gravel, gray, dense					
		602.41		17.6		Silly clay, trace sand & gravel, gray, hard to very stiff					
		575.41		11.2							

End of Boring
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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SOIL BORING LOG Page 1 of 2 Date 6/18/10

ROUTE FAU 1537 DESCRIPTION LOCATION SEC. TWP. RNG. LOGGED BY FM

COUNTY Cook DRILLING METHOD SS HAMMER TYPE

STRUCT. NO.	Station	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	DESCRIPTION
		617.36		4.7		8" concrete over crushed stone					
		615.86		11.9		Fill, crushed limestone, light gray, moist, loose					
		613.36		11.7		Silly clay, trace sand & gravel, brown & gray, very stiff					
		613.36		11.4		Silly clay, trace gravel & sand, brown & gray, hard					
		607.36		19.6		Clay, trace sand, gravel & shale, gray, hard					
		585.36		11.3		Silly clay, trace gravel, gray, hard					
		580.36		10.5		Sandy clay, trace gravel, gray, sand seam at 38.5', very stiff					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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FILE NAME = P:\60156677\020_CAD\01.Drawings\Sheets\Structural\016-7726-1001-sh188-Boring_Logs.dgn



USER NAME = dabezoid
PLOT SCALE = 0.1" = 1' / IN.
PLOT DATE = 1/21/2011

DESIGNED - DD
DRAWN - DD
CHECKED - EJO
DATE - 01/10/2011

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: SHEET NO. 58 OF 61 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	152
CONTRACT NO. 63556			ILLINOIS FED. AID PROJECT	