ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3578	1327B	COOK	108	62
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

Geo Services, Inc.
Geotechnical, Environmental and Civil Engineering
805 Aberdeen Court, Lombard 204
Naperville, Illinois 60565
(630) 355-7208

SOIL BORING LOG

PAGE 1 of 2
DATE September 1, 2004
LOGGED BY TOB
GSI JOB No. 0444

ROUTE IL Route 7 DESCRIPTION Embankment Stability Boring
TWNSHP Orland LOCATION Township 36 N Range 12 E Orland Park, IL
COUNTY Cook DRILLING METHOD 3.25" Hollow Stem Augerss HAMMER TYPE Automatic

STRUCT. NO. E 016-0465/P 016-2847
Station
BORING NO. SS-1
Northing 1810501.5
Easting 1115415.4
Ground Surface Elev. 691.8

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 676.8
Upon Completion Dry
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
8.5" ASPHALT, 9.5" CRUSHED STONE	690.3		6		96
CLAY-brown & gray-medium stiff to stiff (A-6) Fill, Wet			6 6	1.6B	26
			4		
		-5	6 7	.5P	30
	685.8		3		100
CLAY-brown & gray-very stiff (A-6) Fill			3 4	2.0P	24
			2		91
		-10	3 5	2.0P	23
			3		106
			4 6	2.0P	21
			7		
		-15	8 3	2.0P	16
			2		
	674.8		5 7	NP	45
CLAYEY TOPSOIL-black-soft (A-8)	673.3				
CLAY-dark gray-stiff (A-6) Wet			2		99
		-20	3 4	1.5P	26
CLAY-dark gray-medium stiff (A-6) Wet	670.8		3		102
			5 4	1.6B	24
CLAY-gray-stiff (A-6)			4		102
		-25	6 7	1.4B	24
			8		116
			7 8	1.8B	17
			5		115
		-30	8 11	1.6B	17
	658.3		5		
GRAVEL-gray-medium dense (A-1-a)		-35	6 23	NP	11
	653.3				
CLAY LOAM-gray-very stiff (A-6)			6		140
		-40	12 13	2.7B	7

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample
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 (%)

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Upon Completion Dry
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY LOAM-gray-very stiff (A-6)			5 4	1.6B	24
			8		126
		-45	14 26	3.0B	13
			11		132
	641.8	-50	16 23	3.7B	10
End Of Boring @ -50.0' Hollow Stem Augerss CME Automatic Hammer		-55			
		-60			
		-65			
		-70			
		-75			
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample
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 (%)

DESIGNED	-
CHECKED	-
DRAWN	GM
CHECKED	JJI

Bollinger, Lach & Associates, Inc.

SOIL BORING LOG SS-1

IL 7 (SOUTHWEST HIGHWAY) OVER
US 45 (LA GRANGE ROAD)
F.A.U. ROUTE 3578 SECTION 1327B
COOK COUNTY
STA. 1516+85.79
STRUCTURE NUMBER 016-2847