62877

CONTRACT NO.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	0305-302K-L-3	COOK	55	55
STA. 24+85		TO STA.121.25		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BORING B-11

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 American Court, Suite 204
Naperville, Illinois 60563
(630) 355-2828

SOIL BORING LOG

PAGE 1 of 1
DATE February 24, 2005
LOGGED BY RH
GSI JOB No. 0502-A

ROUTE FAI 290/IL-53
DESCRIPTION High-Mast Light Pole Foundations IL 53/FAI 290, Higgins to Algonquin
SECTION 0305-302K-L-3
LOCATION NW & SW CORNERS, SEC. 18 & 7, TWP. 41N, RNG. 11E, 3rd PM
COUNTY Cook
DRILLING METHOD 3.25" Hollow Stem Auger
HAMMER TYPE D-50 Automatic

STRUCT. NO. n/a
Station n/a
BORING NO. B-11
Northing 1963412.2
Easting 1067193.5
Ground Surface Elev. 741.8

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

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL-dark brown & black (A-7) Fill	741.8		3		
			4		
			8	–	58
	738.3				
CLAY-brown & gray-stiff (A-6) Fill			2		
			4		
		-5	7	1.6B	19
	735.8				
CLAY-dark brown spotted black-stiff to very stiff (A-6) Fill, Wet			2		
			4		
			7	3.2B	22
			3		
			4		
		-10	6	1.4B	25
	730.8				
CLAY-brown & gray-stiff to hard (A-6)			2		
			6		
			10	3.1B	17
			1		
			2		
		-15	5	1.9B	18
			1		
			2		
			5	3.7B	19
			6		
			11		
		-20	17	3.9B	19
CLAY-brown & gray-stiff to hard (A-6)			5		
			7		
			10	4.6B	17
			3		
		-25	5		
			11	3.9B	18
			4		
			8		
			13	3.9B	16
	713.3				
CLAY-gray-very stiff (A-6)			3		
			4		
		-30	9	2.8B	15
			3		
			4		
	706.8	-35	10	2.7B	20
End of Boring @ -35.0' Boring Backfilled Upon Completion Hollow Stem Augers D-50 ATV		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
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 (%)
NR-No Recovery

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAI 290/FAP 342 (I-290/IL 53)
IL 62 (ALGONQUIN ROAD)
TO IL 72 (HIGGINS ROAD)
BORING LOG VI

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = 4/7/2005
FILE NAME = e:\geo\pots\electrical\2084\153-n32
PLOT SCALE = 50.0000' / IN.
USER NAME = lupcsw