62877

CONTRACT NO.				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	0305-302K-L-3	COOK	55	53
STA. 24+85	TO STA.121+25			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62877

BORING B-7

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

SOIL BORING LOG

PAGE 1 of 1
DATE February 07, 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 CME Automatic

STRUCT. NO. n/a
Station n/a
BORING NO. B-7
Northing 1962273.9
Easting 1066864.8
Ground Surface Elev. 738.1

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 (%)
SAND & GRAVEL (Fill)	737.1				
CLAY-brown & gray- very stiff to hard (A-6) Fill			3, 5, 7	4.4B	16
		-5	3, 7, 7	3.0B	22
	730.1		1, 7, 10	5.3B	14
CRUSHED CONCRETE & STONE- dense (Fill)	727.6	-10	8, 27, 13	NP	10
CLAY-brown & gray- very stiff to hard (A-6)			5, 7, 10	2.8B	16
		-15	3, 6, 7	5.0P	17
			3, 6, 8	3.7B	17
		-20	4, 8, 10	2.8B	19
CLAY-brown & gray- very stiff to hard (A-6)	717.1				
CLAY-brown & gray- stiff (A-6)	715.1		3, 5, 7	1.5P	19
CLAY-gray-stiff to hard (A-6)		-25	1, 4, 7	1.8B	17
			3, 6, 8	3.4B	19
		-30	3, 4, 7	3.0B	21
	703.1	-35	3, 6, 10	4.25P	12
End of Boring @ -35.0' Boring Grouted Upon Completion Hollow Stem Augers CME-55		-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

BORING B-8

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

SOIL BORING LOG

PAGE 1 of 1
DATE February 07, 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-8
Northing 1963110.2
Easting 1067567.6
Ground Surface Elev. 724.3

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-black (A-7) Fill	720.8		2, 3, 7	-	26
CLAY Mixed with TOPSOIL- dark brown & black- medium stiff (A-6/A-7) Fill, Wet	718.3	-5	2, 4, 6	0.9B	29
CLAY-brown & gray- stiff to very stiff (A-6)			2, 4, 8	1.6B	26
		-10	2, 5, 7	2.7B	18
	710.8		2, 4, 9	3.7B	18
CLAY-gray- stiff to very stiff (A-6)		-15	2, 4, 8	2.5P	12
			2, 3, 5	1.0B	17
		-20	2, 4, 6	1.3B	17
CLAY-gray- stiff to very stiff (A-6)			2, 4, 6	3.1B	18
	698.3	-25	2, 5, 8	2.8B	21
CLAYEY SAND-gray- medium dense (A-2-6)	695.8		2, 4, 6	NP	20
CLAY-gray- stiff to very stiff (A-6)		-30	2, 3, 4	1.0B	23
	689.3	-35	4, 6, 8	3.0B	17
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 IV

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = 4/7/2005
FILE NAME = c:\pro_work\electrical\2004\i53.m32
PLOT SCALE = 50.0000 ' / IN.
USER NAME = lupesw