62877
CONTRACT NO.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	0305-302K-L-3	COOK	55	51
STA. 24+85		TO STA.121.25		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62877

BORING B-3

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Ambrica Court, Suite 204
Naperville, Illinois 60565
(630) 355-2855

SOIL BORING LOG

PAGE 1 of 1
DATE February 10, 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-55 Automatic

STRUCT. NO. n/a
Station n/a
BORING NO. B-3
Northing 1958855.3
Easting 1066475.6
Ground Surface Elev. 737.0

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	736.0				
CLAY-brown & gray-stiff to hard (A-6) Fill			1 1 2	1.6B	17
		-5	4 6	3.5P	13
			2 3 4	1.4B	17
		-10	4 8 9	1.9B	17
			7 11 13	8.3B	13
		-15	3 8 10	3.0B	15
			3 8 9	4.6B	16
		-20	2 8 9	5.0P	14
...continued	716.5				
CLAY LOAM-brown & gray-hard (A-6)	714.0		3 5 6	5.0P	23
CLAY-brown & gray-stiff (A-6)	711.5	-25	2 5 7	1.9B	15
CLAY-gray-stiff to very stiff (A-6)		-30	3 6 8	2.1B	17
			3 7 10	1.8B	16
		-35	2 5 10	2.3B	17
	702.0				
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-4

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Ambrica Court, Suite 204
Naperville, Illinois 60565
(630) 355-2855

SOIL BORING LOG

PAGE 1 of 1
DATE February 21, 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-55 Automatic

STRUCT. NO. n/a
Station n/a
BORING NO. B-4
Northing 1959736.2
Easting 1066826.5
Ground Surface Elev. 733.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 708.3
Upon Completion 703.3
After ___ Hrs. ___

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CRUSHED ASPHALT & STONE-loose (Fill)	730.8		1 3 5	NP	7
CLAY-brown & gray-stiff to hard (A-6) Fill		-5	1 4 5	1.25B	17
		-10	3 7 8	6.4B	14
			5 7 11	2.1B	20
	720.3				
CLAY-brown & gray-very stiff to hard (A-6)		-15	4 11 12	5.1B	17
			3 5 7	4.4B	17
		-20	3 7 12	3.4B	17
...continued	712.8				
CLAY-gray-very stiff A-6)	709.8	-25	3 6 8	3.7B	16
SILTY SAND & GRAVEL-gray-loose to medium dense (A-2-4)			1 2 5		
		-30	3 5 3	NP	17
			2 3 3	NP	14
		-35	3 5 3	NP	18
	699.3				
SILT-gray-medium dense (A-4)	698.3		4 9 10	NP	21
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

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 II

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = 4/7/2005
FILE NAME = c:\projects\electrical\2004\153.m32
PLOT SCALE = 50.0000 ' / in.
USER NAME = lupesw