

BORING B-9

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

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Ambrose Court, Suite 204
Naperville, Illinois 60565
(630) 420-1000

ROUTE FAI 290IL-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-9
Northing 1964114.8
Easting 1066602.2
Ground Surface Elev. 719.5

D E P T H H	B L O W S Qu	U M S T	M O I S T %	Surface Water Elev. n/a Stream Bed Elev. n/a Groundwater Elevation: First Encounter Dry Upon Completion Dry After Hrs.	D E P T H H	B L O W S Qu	U M S T	M O I S T %		
									(ft)	(6")
TOPSOIL-black (A-7) 718.5										
	2					4				
	4					3				
	6	3.2B	18			7	2.1B	19		
CLAY-brown & gray-stiff to very stiff (A-6) Fill										
	3					2				
	5					6				
	-5	6	1.0B	16		-25	9	3.4B	17	
718.5										
	1					4				
	3					6				
	4	1.5P	12			10	6.0B	16		
CLAY LOAM-dark brown & gray-stiff (A-6) Possible Fill										
711.0										
	1					4				
	4					7				
	-10	6	1.6B	18		-30	11	3.5B	19	
CLAY-gray-stiff to hard (A-6)										
	2									
	3									
	7	1.8B	21							
	1					2				
	4					5				
	-15	7	1.8B	20		684.5	-35	8	2.5B	20
End of Boring @ -35.0' Boring Backfilled Upon Completion Hollow Stem Augers D-50 ATV										
	3									
	4									
	7	2.5B	21							
	3									
	5									
	-20	10	2.7B	19					-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-10

PAGE 1 of 1
DATE February 07, 2005
LOGGED BY RH
GSI JOB No. 0502-A

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Ambrose Court, Suite 204
Naperville, Illinois 60565
(630) 420-1000

ROUTE FAI 290IL-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-10
Northing 1965212.6
Easting 1067255.3
Ground Surface Elev. 742.1

D E P T H H	B L O W S Qu	U M S T	M O I S T %	Surface Water Elev. n/a Stream Bed Elev. n/a Groundwater Elevation: First Encounter Dry Upon Completion Dry After Hrs.	D E P T H H	B L O W S Qu	U M S T	M O I S T %
CRUSHED STONE-loose (Fill)								
	3							
	6							
	739.6	2	NP	12				
CLAY-brown & gray-very stiff (A-6)								
	4							
	7							
	10	3.5B	17					
719.1								
	4							
	7							
	-25	10	3.5B	16				
CLAY-brown & gray-very stiff to hard (A-6) Fill								
	4							
	9							
	10	4.4B	20					
	7							
	10							
	-10	11	6.2B	16				
CLAY-gray-stiff to very stiff (A-6)								
	3							
	6							
	9	2.8B	16					
	2							
	7							
	-15	9	2.8B	24				
708.1								
	2							
	7							
	-15	9	2.8B	24				
SANDY CLAY LOAM-gray-loose (A-4)								
	6							
	10							
	10	6.6B	19					
724.1								
CLAY-brown & gray-very stiff (A-6)								
	6							
	9							
	-20	9	2.8B	16				
End of Boring @ -35.0' Boring Backfilled Upon Completion Hollow Stem Augers CME-55								

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	0305-302K-L-3	COOK	55	54
STA. 24+85		TO STA. 121+25		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62877				

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		FAI 290/FAP 342 (I-290/IL 53) IL 62 (ALGONQUIN ROAD) TO IL 72 (HIGGINS ROAD) BORING LOG V
SCALE: VERT.	HORIZ.	DRAWN BY
DATE		CHECKED BY

PLOT DATE = 4/7/2005
FILE NAME = c:\projects\electrical\2004\1153.mxd
PLOT SCALE = 80.0000 / IN.
USER NAME = lipson