

BORING B-5

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SOIL BORING LOG

DATE February 23, 2005
LOGGED BY RH
GSI JOB No. 0502-A

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amhurst Court, Suite 204
Naperville, Illinois 60565
(630) 255-1988

ROUTE FAI 290IL-53 DESCRIPTION High-Mast Light Pole Foundations IL 53FAI 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-5
Northing 1960896.5
Easting 1066652.0
Ground Surface Elev. 721.4

DEPTH (ft)	BULGE (in)	UNIT WEIGHT (pcf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BULGE (in)	UNIT WEIGHT (pcf)	MOISTURE (%)
0				Surface Water Elev. n/a	0			
				Stream Bed Elev. n/a				
				Groundwater Elevation:				
				First Encounter Dry				
				Upon Completion Dry				
				After Hrs. 1				
720.4				TOPSOIL-dark brown & black (A-7) Fill	735.5			
	3					4		
	4			CLAY-brown & gray spotted black-very stiff (A-6) Fill		5		
	5	2.7B	13			7	1.8B	24
717.9								
	2			CLAY-dark brown, gray & black-soft (A-6) Fill, Wet Fuel odor noted.		2		
	2					3		
	-5	0.4B	29			-25	5	1.0B 14
715.4								
	2			TOPSOIL-black (A-7)		2		
	4					4		
	7		33			8	2.7B	17
712.9								
	2			CLAY-brown & gray-stiff to very stiff (A-6)		5		
	4					8		
	-10	6	1.25B			-30	13	1.0P 20
	2					2		
	5					4	1.25B	
	7	3.0B	21					
707.9								
	2			CLAY-gray-stiff to hard (A-6)		2		
	5					4	1.25B	
	-15	9	4.25B			-35	503"	27
				End of Boring @ -35.0' Boring Backfilled Upon Completion Hollow Stem Augers D-50 ATV				
	3							
	6							
	11	3.7B	16					
	1							
	4							
	-20	6	1.8B			-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-6

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SOIL BORING LOG

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

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amhurst Court, Suite 204
Naperville, Illinois 60565
(630) 255-1988

ROUTE FAI 290IL-53 DESCRIPTION High-Mast Light Pole Foundations IL 53FAI 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-6
Northing 1961514.5
Easting 1067065.6
Ground Surface Elev. 736.5

DEPTH (ft)	BULGE (in)	UNIT WEIGHT (pcf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BULGE (in)	UNIT WEIGHT (pcf)	MOISTURE (%)
0				Surface Water Elev. n/a	0			
				Stream Bed Elev. n/a				
				Groundwater Elevation:				
				First Encounter Dry				
				Upon Completion Dry				
				After Hrs. 1				
735.5				SAND & GRAVEL (F81)	735.5			
	2					4		
	2			CLAY-gray-stiff to hard (A-6)		7		
	3	2.5B	18			10	4.9B	16
				CLAY-brown & gray-very stiff (A-6) Fill				
	4					2		
	5					5		
	-5	6	3.5B			-25	8	1.8B 19
	3					3		
	8					5		
	10	2.8B	23			7	2.5B	18
	4					3		
	10					6		
	-10	8	4.0B			-30	7	3.4B 19
725.5								
	3			CLAY-dark brown spotted black-very stiff (A-6) Fill, Wet		7		
	9	2.5B	27					
723.5								
	4			CLAY-brown & gray-very stiff (A-6)		3		
	8					5		
	-15	8	3.5B			-35	7	3.1B 19
	4					4		
	7					7		
	8	3.5B	19			8	3.5B	19
718.5								
	5			CLAY-gray-stiff to hard (A-6)		5		
	8					8		
	-20	12	3.5B			-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

62877

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	0305-302K-L-3	COOK	55	52
STA. 24+85		TO STA. 121+25		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 62877

PLOT DATE = 4/7/2005
PLOT SCALE = 50:1
USER NAME = jbrass

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI 290FAP 342 (I-290IL 53)
IL 62 (ALGONQUIN ROAD)
TO IL 72 (HIGGINS ROAD)
BORING LOG III

SCALE: VERT. _____
HORIZ. _____
DATE _____ DRAWN BY _____
CHECKED BY _____