

BORING B-3

BORING B-4

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

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SOIL BORING LOG

DATE February 10, 2005
 LOGGED BY RH
 GSI JOB No. 0502-A

Geo Services, Inc.
 Geotechnical, Environmental & Civil Engineering
 805 (Amherst Court, Suite 204)
 Naperville, Illinois 60565
 (630) 855-8800

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-3**
 Northing 1958855.3
 Easting 1066475.6
 Ground Surface Elev. 737.0

D	B	U	M	Surface Water Elev.	n/a	D	B	U	M		
E	L	C	O	Stream Bed Elev.	n/a	E	L	C	O		
P	O	S	I	Groundwater Elevation:		P	O	S	I		
T	W	Q	T	First Encounter	Dry	H	S	Q	T		
H	S	Qu	T	Upon Completion	Dry	H	S	Qu	T		
(ft)	(6")	(tsf)	(%)	After	Hrs.	(ft)	(6")	(tsf)	(%)		
TOPSOIL-black (A-7) Fill					736.0	...continued					716.5
1				CLAY LOAM-brown & gray-hard (A-6)		3					
1						5					
2	1.6B	17			714.0	6	5.0P	23			
2				CLAY-brown & gray-stiff (A-6)		2					
4						5					
-5	6	3.5P	13		711.5	-25	7	1.9B	15		
2				CLAY-brown & gray-stiff to hard (A-6) Fill		3					
3						6					
4	1.4B	17				8	2.1B	17			
4				CLAY-gray-stiff to very stiff (A-6)		3					
8						7					
-10	9	1.9B	17			-30	10	1.8B	16		
7											
11											
13	8.3B	13									
3						2					
8						5					
-15	10	3.0B	15		702.0	-35	10	2.3B	17		
3				End of Boring @ -35.0'							
8				Boring Grouted Upon Completion							
9	4.6B	16		Hollow Stem Augers							
				CME-55							
2											
8											
-20	9	5.0P	14			-40					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shaly 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

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SOIL BORING LOG

DATE February 21, 2005
 LOGGED BY RH
 GSI JOB No. 0502-A

Geo Services, Inc.
 Geotechnical, Environmental & Civil Engineering
 805 (Amherst Court, Suite 204)
 Naperville, Illinois 60565
 (630) 855-8800

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-4**
 Northing 1959736.2
 Easting 1066826.5
 Ground Surface Elev. 733.3

D	B	U	M	Surface Water Elev.	n/a	D	B	U	M		
E	L	C	O	Stream Bed Elev.	n/a	E	L	C	O		
P	O	S	I	Groundwater Elevation:		P	O	S	I		
T	W	Q	T	First Encounter	708.3	H	S	Q	T		
H	S	Qu	T	Upon Completion	708.3	H	S	Qu	T		
(ft)	(6")	(tsf)	(%)	After	Hrs.	(ft)	(6")	(tsf)	(%)		
CRUSHED ASPHALT & STONE-loose (Fill)					730.8	...continued					712.8
1				CLAY-gray-very stiff (A-6)		3					
3						6					
5	NP	7			709.8	8	3.7B	16			
1				CLAY-brown & gray-stiff to hard (A-6) Fill		2					
4						5					
-5	5	1.25B	17		709.8	-25	7	NP	17		
3				SILTY SAND & GRAVEL-gray-loose to medium dense (A-2-4)		3					
7						5					
8	6.4B	14				8	NP	14			
3						2					
7						3					
-10	7	1.4B	18			-30	3	NP	18		
5											
7											
11	2.1B	20									
699.3											
4				SILT-gray-medium dense (A-4)		3					
11						9					
-15	12	5.1B	17		698.3	-35	10	NP	21		
3				End of Boring @ -35.0'							
5				Boring Grouted Upon Completion							
7	4.4B	17		Hollow Stem Augers							
				CME-55							
3											
7											
-20	12	3.4B	17			-40					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shaly 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

PLOT DATE = 4/7/2005
 FILE NAME = c:\projects\electrical\2884\1153.632
 PLOT SCALE = 50.0000 / IN.
 USER NAME = Jupas

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