F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1238
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

LEGEND - IDOT TEST BORING LOGS

Silty Clay Loam — *Textural classification of soil in accordance with IDOT Triangular Chart.*

BLOWS/150mm — *Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification.*

Qu, kPa — *Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.*

Moist. % — *Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265 standard specification and AASHTO T 265/ASTM D 2216 for bedrock.*

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 5/23/02

ROUTE FAI-74 DESCRIPTION High Mast Light Pole Foundation LOGGED BY DBR

SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION SEC., TWP., RNG.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. HMSB-07
Station 143+038
Offset 27.00m Lt of EB BL
Ground Surface Elev. 194.88 m

Surface Water Elev. m
Stream Bed Elev. m

Groundwater Elev.:
First Encounter none m
Upon Completion none m
After 24 Hrs. not taken m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
No Sample Taken	194.27				
Brown SILTY CLAY	193.51		3		
			4	257	14
			5	B	
Gray CLAY LOAM TILL		-1.5	4		
			4	296	13
			8	B	
		-3.0	2		
			4	217	14
			7	B	
			5	296	14
			6	B	
			1		
			3	158	14
			5	B	
		-4.5	2		
			4	257	13
			6	B	
			2		
			5	277	14
			11	B	
End of Boring	189.24	-6.0			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 9/24/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JES

SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION , SEC. , TWP. , RNG.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. HMSB-11a
Station 143+460
Offset 107.00m Lt. EB BL
Ground Surface Elev. 195.65 m

Surface Water Elev. m
Stream Bed Elev. m

Groundwater Elev.:
First Encounter none m
Upon Completion none m
After 24 Hrs. none m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
no sample taken	195.35				
Brown CLAY LOAM			4		
			6	168	13.8
			7	P	
Lt. Brown Coarse SAND & GRAVEL	194.59		3		
			4		2.9
		-1.5	5		
			4		
			6		2.9
			9		
			5		2.8
Brown SILTY CLAY LOAM	192.91		7		
		-3.0	8	359	12.0
				P	
			4		
			7	292	11.4
			9	S	
			4		
		-4.5	7	335	12.3
			11	P	
			3		
			9	311	12.6
			12	P	
Brown CLAY LOAM TILL	190.02		4		
		-6.0	7	313	13.8
Brown CLAY LOAM TILL (continued)				9	S
			4		
			11	355	13.0
			16	B	
			4		
			8	474	12.9
		-7.5	11	S	
			5	513	14.0
Lt. Brown Very Fine SAND	187.50		12	B	7.7
			13		
Brown SILTY CLAY LOAM	186.97		3		
		-9.0	5	240	13.3
			7	P	
End of Boring	186.51	-10.5			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 12/8/02

ROUTE FAI-74 DESCRIPTION High Mast Light Pole Foundation LOGGED BY DBR

SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION , SEC. , TWP. , RNG.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. HMSB-34
Station 145+554
Offset 67.00m LT EB BL
Ground Surface Elev. 174.66 m

Surface Water Elev. m
Stream Bed Elev. m

Groundwater Elev.:
First Encounter NONE m
Upon Completion NONE m
After 24 Hrs. NOT TAKEN m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
NO SAMPLE TAKEN	174.20				
Light Brown Fine SAND			5		
			4		7.5
			3		
Gray CLAY LOAM	173.44		3		
		-1.5	6	522	10.9
			7	S	
			3		
			4	296	12.2
			6	S	
Brown/Gray SANDY CLAY LOAM	171.92		4		
		-3.0	12	240	9.9
			13	P	
			3		
			5	72	12.3
			6	P	
Gray/ Dark Gray CLAY LOAM TILL	170.39		3		
		-4.5	6	553	10.2
			8	B	
			4		
			7	395	13.9
			12	B	
Dark Gray SILTY CLAY	168.87	-6.0	5		
Dark Gray SILTY CLAY (continued) trace of Sand			9	144	11.5
			8	P	
Gray SANDY GRAVEL	168.11		3		
			6		7.0
			12		
Gray CLAY LOAM TILL	167.34		5		
		-7.5	7	428	11.9
			8	P	
End of Boring	166.89	-12.0			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

LIGHTING SHEET 54 OF 64

REVISIONS	
NAME	DATE

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHT TOWER FOUNDATION
SOIL BORINGS

DATE: 11/12/04

DRAWN BY CDF
CHECKED BY WJZ

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