F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1289
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 — SOIL BORING LOG

Division of Highways, IDOT

Page 1 of 1

Date 6/3/02

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-36
Station 145+715
Offset 34.00m Lt of EB BL
Ground Surface Elev. 170.05 m

Surface Water Elev. m
Stream Bed Elev. m

Groundwater Elev.:
First Encounter 166.3 m
Upon Completion 168.4 m
After 24 Hrs. not taken m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
No Sample Taken					
	169.59				
Brown CLAY LOAM w/ some sand			2		
			5	197	19
			3	B	
	168.83				
Brown Fine SAND			3		
		-1.5	7		15
			10		
	168.07				
Gray SILTY CLAY			4		
			5	158	14
			5	B	
	167.30				
Light Brown & Light Gray SANDY CLAY w/ trace of silt	167.15		1	59	15
		-3.0	7	230	10
			8		
Gray CLAY LOAM					
	166.54				
Gray FINE SAND w/ trace of clay			5		
			10		13
			7		
	165.78				
Dark Gray SILTY CLAY			2		
		-4.5	3	99	22
			4	B	
			2		
			2	39	14
			3	B	
	164.26				
Gray CLAY LOAM TILL			4		
		-8.0			
Gray CLAY LOAM TILL (continued)			5	415	13
			6	B	
			3		
			6	454	12
			10	B	
		-7.5	6	237	13
			10	B	
	162.28				
End of Boring					
		-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)

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, IDOT

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-109
Station 143+024
Offset 558.3m Lt. EB BL
Ground Surface Elev. 196.61 m

Surface Water Elev. m
Stream Bed Elev. m

Groundwater Elev.:
First Encounter 191.6 m
Upon Completion 192.1 m
After 24 Hrs. 192.1 m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
no sample taken					
	196.16				
Dk. Brown/Brown CLAY LOAM			4		
			4	192	20.1
			5	P	
			2		
		-1.5	4	474	17.8
			5	B	
			2		
			5	493	14.0
			7	S	
			3		
		-3.0	3	182	16.9
			5	B	
			2		
			4	376	15.1
			6	B	
	192.35				
Brown CLAY LOAM TILL			2		
		-4.5	4	335	14.9
			6	B	
	191.59				
Brown Coarse SAND & GRAVEL			2		
			5		10.1
			10		
			6		12.3
	190.67	-6.0			
Gray CLAY LOAM TILL (continued)			6	296	13.5
			5	B	
			3		
			5	217	14.8
			8	B	
			3		
		-7.5	5	197	14.2
			8	B	
	188.84				
** hole collapsed upon completion @ 7.01m					
24 hrs hole collapsed @ 5.49m					
End of Boring					
		-9.0			
		-10.5			
		-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)

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, IDOT

Page 1 of 1

Date 9/29/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JAR,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-110
Station 39+715.6
Offset 35.91m Lt. War Dr. BL
Ground Surface Elev. 192.51 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					
	192.21				
Brown & Gray SANDY CLAY			3		
			6	192	13.8
			4	P	
			3		
			4	240	12.5
		-1.5	3	P	
	190.68				
Brown & Gray CLAY LOAM TILL			1		
			4	398	13.0
			6	B	
			2		
			5	316	13.0
		-3.0	6	B	
			2		
			4	137	13.8
			6	B	
			2		
			6	158	12.1
		-4.5	6	B	
			2		
			5	251	13.5
			6	B	
			2		
			6	316	12.4
		-6.0			
Brown & Gray CLAY LOAM TILL (continued)			8	B	
			4		
			10	564	11.3
			13	B	
			4		
			7	292	11.7
		-7.5	11	B	
	184.89				
** hole collapsed upon completion @ 6.64m					
End of Boring					
		-9.0			
		-10.5			
		-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 55 OF 64

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHT TOWER FOUNDATION
SOIL BORINGS

DATE: 11/12/04

DRAWN BY CDF
CHECKED BY WJZ

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