

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1247
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. Q_u , kPa Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

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

Illinois Department of Transportation
Division of Highways
1001

SOIL BORING LOG 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-132
Station 10+329
Offset 28.41m Lt. B-1 Bl.
Ground Surface Elev. 184.56 m

Surface Water Elev. _____ m
Stream Bed Elev. _____ m
Groundwater Elev.:
First Encounter 181.1 m
Upon Completion none m
After 24 Hrs. none m

Elev. (m)	D		B		U		M		Soil Description	Elev. (m)	D		B		U		M	
	(m)	(mm)	(kPa)	(%)	(m)	(mm)	(kPa)	(%)			(m)	(mm)	(kPa)	(%)	(m)	(mm)	(kPa)	(%)
184.10	4								Brown Med. SAND (continued)	5								20.0
	6		431	16.0														
	8		P															16.9
183.34	3								** hole collapsed upon completion @ 3.1m End of Boring	9								
	5		144	7.9														
	5		P															
182.58	2																	
	4			5.3														
	6																	
181.81	4																	
	6			6.8														
	6																	
	5																	
	5			13.6														
	7																	
180.29	4																	
	4			16.7														
	7																	
	10																	
	3																	
	6			15.2														
	8																	
	1																	
	1																	

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)

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SOIL BORING LOG 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-133
Station 144+083
Offset 52.49m Rt. FB RL
Ground Surface Elev. 184.77 m

Surface Water Elev. _____ m
Stream Bed Elev. _____ m
Groundwater Elev.:
First Encounter none m
Upon Completion none m
After 24 Hrs. none m

Elev. (m)	D		B		U		M		Soil Description	Elev. (m)	D		B		U		M	
	(m)	(mm)	(kPa)	(%)	(m)	(mm)	(kPa)	(%)			(m)	(mm)	(kPa)	(%)	(m)	(mm)	(kPa)	(%)
184.46	2								Gray CLAY LOAM TILL (continued)	9								
	4		192	11.9														
	3		P															11.1
	4																	5 B
	3			144	12.3													
	3																	
	3			316	12.0													
	4																	
	6			277	12.1													
	2																	
	4			217	12.1													
	6																	
	2																	
	4			173	13.6													
	5																	
	2																	
	6			217	13.4													
	4																	
	2																	
	10			7.6														
	14																	
	8																	
	10			7.7														
	9																	
	4																	
	10			197	13.5													
	4																	
	3																	
	8			7.2														
	8																	
	8																	
179.13	4								Gray CLAY LOAM TILL									
	6			354	12.9													
	6																	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

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LIGHTING SHEET 63 OF 64

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		LIGHT TOWER FOUNDATION SOIL BORINGS DRAWN BY CDF CHECKED BY WJZ

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

DATE: 11/12/04