

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
1007

SOIL BORING LOG Page 1 of 1
Date 9/18/03

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

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-127
Station 143+581
Offset 50.40m LT EB BL
Ground Surface Elev. 192.34 m

DEPTH (m)	BLOW COUNT	UCS (kPa)	MOISTURE (%)	DESCRIPTION	DEPTH (m)	BLOW COUNT	UCS (kPa)	MOISTURE (%)	DESCRIPTION
192.04	5			Brown CLAY LOAM	185.94	4			Brown Coarse SAND & GRAVEL 6" silt seam
191.28	3			Brown Coarse SAND & GRAVEL	185.18	3			Brown CLAY LOAM TILL
188.99	6			Brown Med. SAND w/ trace of gravel	186.65	5			Brown Med. SAND
188.23	7			Brown Coarse SAND & GRAVEL	186.19	9			Brown Coarse SAND & GRAVEL
187.47	4			Brown Fine SAND w/ trace of silt and coarse sand	185.66	9	398	15.6	Brown & Gray CLAY LOAM TILL
186.71	3			Brown SILT w/ thin fine sand & clay seams	182.38	10			** hole collapsed upon completion @ 4.75m End of Boring

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
1007

SOIL BORING LOG Page 1 of 1
Date 9/18/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY DLR, JR

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-128
Station 143+704
Offset 55.90m LT EB BL
Ground Surface Elev. 190.00 m

DEPTH (m)	BLOW COUNT	UCS (kPa)	MOISTURE (%)	DESCRIPTION	DEPTH (m)	BLOW COUNT	UCS (kPa)	MOISTURE (%)	DESCRIPTION
189.70	3			Brown Coarse SAND & GRAVEL	183.60	3			Brown & Gray CLAY LOAM TILL (continued)
188.93	15			Brown & Gray LIMESTONE GRAVEL w/ some sand	182.84	4			Brown Coarse SAND & GRAVEL
188.17	5			Brown Coarse SAND & GRAVEL	182.38	10			** hole collapsed upon completion @ 5.6m End of Boring
186.65	5			Brown Med. SAND	182.38	10			** hole collapsed upon completion @ 5.6m End of Boring
186.19	9			Brown Coarse SAND & GRAVEL	182.38	10			** hole collapsed upon completion @ 5.6m End of Boring
185.66	9			Brown & Gray CLAY LOAM TILL	182.38	10			** hole collapsed upon completion @ 5.6m End of Boring

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
1007

SOIL BORING LOG Page 1 of 1
Date 9/26/03

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

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-129
Station 143+643
Offset 55.01m RT- EB BL
Ground Surface Elev. 194.04 m

DEPTH (m)	BLOW COUNT	UCS (kPa)	MOISTURE (%)	DESCRIPTION	DEPTH (m)	BLOW COUNT	UCS (kPa)	MOISTURE (%)	DESCRIPTION
193.73	2			Brown & Gray CLAY LOAM	187.63	3			Green-Dk. Gray CLAY LOAM
188.99	6			Brown Med. SAND w/ trace of gravel	186.87	3			Brown SILTY CLAY
188.23	7			Brown Coarse SAND & GRAVEL	186.11	3			Brown CLAY LOAM TILL
187.47	4			Brown Fine SAND w/ trace of silt and coarse sand	185.35	2			Brown Fine-Coarse SAND
186.71	3			Brown SILT w/ thin fine sand & clay seams	184.89	4			** 24 hr H2O not taken; hole filled upon completion End of Boring
185.66	9			Brown & Gray CLAY LOAM TILL	183.60	3			Brown & Gray CLAY LOAM TILL (continued)
184.89	4			Brown & Gray CLAY LOAM TILL	183.37	7	431	13.8	Brown Coarse SAND & GRAVEL
184.13	5			Brown & Gray CLAY LOAM TILL	183.37	7	431	13.8	Brown Coarse SAND & GRAVEL
183.60	3			Brown Coarse SAND & GRAVEL	182.84	4			Brown Coarse SAND & GRAVEL
182.84	4			Brown Coarse SAND & GRAVEL	182.38	10			** hole collapsed upon completion @ 5.6m End of Boring
182.38	10			** hole collapsed upon completion @ 5.6m End of Boring	182.38	10			** hole collapsed upon completion @ 5.6m End of Boring

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)

m:\proj\3573\LIGHTING\74-Contract\01\1000_sbr.dgn

4:26:31 PM
11/12/2004

LIGHTING SHEET 61 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHT TOWER FOUNDATION
SOIL BORINGS

DATE: 11/12/04
DRAWN BY CDF
CHECKED BY WJZ

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