

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1366	1241
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.

BLAWS/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 1001		SOIL BORING LOG Page 1 of 1 Date 9/24/03	
ROUTE <u>FAI-74</u> DESCRIPTION <u>HIGH MAST LIGHT TOWER</u> LOGGED BY <u>JES</u>			
SECTION <u>72-6,7,8,9-1,90-11,90-12,13,14</u> LOCATION <u>. SEC. . TWP. . RNG.</u>			
COUNTY <u>Peoria & Tazewell</u> DRILLING METHOD <u>HSA</u> HAMMER TYPE <u>AUTO</u>			
STRUCT. NO. _____ Station _____	D E L U M P O S I T W S O H S Qu T	Surface Water Elev. _____ m Stream Bed Elev. _____ m	D E L U M P O S I T W S O H S Qu T
BORING NO. <u>HMSB-115</u> Station <u>143+297</u> Offset <u>448.00m LT EB BL</u> Ground Surface Elev. <u>196.45</u> m	(/150 mm) (kPa) (%)	Groundwater Elev.: First Encounter <u>none</u> m Upon Completion <u>194.5</u> m After 24 Hrs. <u>192.6</u> m	(/150 mm) (kPa) (%)
no sample taken 195.99 Brown Coarse SAND & GRAVEL 195.23 Brown Medium SAND silt seam 194.47 Gray CLAY LOAM TILL 1* sand seam	3 5 6 3 -1.5 8 2 4 6 2 -3.0 8 2 4 6 -4.5 6 2 3 6 2	Gray CLAY LOAM TILL (continued) 24 hrs hole collapsed @ 5.88m End of Boring ** hole collapsed upon completion @ 6.8m 24 hrs hole collapsed @ 5.88m End of Boring	4 5 3 5 7 -1.5 11 7 9 12 8 -3.0 10 12 7 10 8 -4.5 11 12 7 11 12 -6.0
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator) 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 1001		SOIL BORING LOG Page 1 of 1 Date 9/16/03	
ROUTE <u>FAI-74</u> DESCRIPTION <u>HIGH MAST LIGHT TOWER</u> LOGGED BY <u>JES</u>			
SECTION <u>72-6,7,8,9-1,90-11,90-12,13,14</u> LOCATION <u>. SEC. . TWP. . RNG.</u>			
COUNTY <u>Peoria & Tazewell</u> DRILLING METHOD <u>HSA</u> HAMMER TYPE <u>AUTO</u>			
STRUCT. NO. _____ Station _____	D E L U M P O S I T W S O H S Qu T	Surface Water Elev. _____ m Stream Bed Elev. _____ m	D E L U M P O S I T W S O H S Qu T
BORING NO. <u>HMSB-116</u> Station <u>143+283</u> Offset <u>559.79m LT EB BL</u> Ground Surface Elev. <u>199.31</u> m	(/150 mm) (kPa) (%)	Groundwater Elev.: First Encounter <u>none</u> m Upon Completion <u>none</u> m After 24 Hrs. <u>none</u> m	(/150 mm) (kPa) (%)
NO SAMPLE TAKEN 198.85 Brown & Gray SILTY LOAM 196.56 Brown Fine SAND w/gravel through out ** hole collapsed upon completion @ 3.2m deep End of Boring	3 5 7 5 -1.5 11 7 9 12 8 -3.0 10 12 6 7 11 12 -6.0		4 5 7 5 9 11 7 9 12 8 -3.0 10 12 6 7 11 12 -6.0
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator) 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 1001		SOIL BORING LOG Page 1 of 1 Date 9/22/03	
ROUTE <u>FAI-74</u> DESCRIPTION <u>HIGH MAST LIGHT TOWER</u> LOGGED BY <u>JES</u>			
SECTION <u>72-6,7,8,9-1,90-11,90-12,13,14</u> LOCATION <u>. SEC. . TWP. . RNG.</u>			
COUNTY <u>Peoria & Tazewell</u> DRILLING METHOD <u>HSA</u> HAMMER TYPE <u>AUTO</u>			
STRUCT. NO. _____ Station _____	D E L U M P O S I T W S O H S Qu T	Surface Water Elev. _____ m Stream Bed Elev. _____ m	D E L U M P O S I T W S O H S Qu T
BORING NO. <u>HMSB-117</u> Station <u>143+361</u> Offset <u>374.54m LT EB BL</u> Ground Surface Elev. <u>197.98</u> m	(/150 mm) (kPa) (%)	Groundwater Elev.: First Encounter <u>none</u> m Upon Completion <u>none</u> m After 24 Hrs. <u>5.8m</u> m	(/150 mm) (kPa) (%)
no sample taken 197.68 Brown CLAY LOAM 195.39 Brown Coarse SAND & GRAVEL 193.87 Gray CLAY LOAM TILL sand seam	6 11 9 3 5 9 -1.5 3 5 7 -3.0 7 12 10 7 10 -4.5 3 7 10 2 6 7 -2 4	Gray CLAY LOAM TILL (continued) ** hole collapsed upon completion @ 6.46m deep End of Boring	6 7 9 2 5 8 14 17 17 6 9 12 9 7 12 12 10 13 13 13 13 13
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator) 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 57 OF 64

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION LIGHT TOWER FOUNDATION SOIL BORINGS DRAWN BY CDF CHECKED BY WJZ
NAME	DATE	
DATE: 11/12/04		

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

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