

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.

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Division of Highways
SOIL BORING LOG Page 1 of 1
Date 7/31/01

ROUTE FAL-74 DESCRIPTION Prop. culvert under War Memorial Dr. LOGGED BY KRW
SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION SW1/4,SE1/4,SE1/4,RICHMONDSTWP, SEC. 19, TWP. 9N, RNG. 8E, 4th PM
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. Station	D E P T H S	B L O W S Qu	U C S T	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H S	B L O W S Qu	U C S T	M O I S T
BORING NO. 11 (culvert) Station 100+847.3 Offset 29.78m Lt Ground Surface Elev. 190.66 m					Groundwater Elev.: First Encounter 187.0 m Upon Completion 187.6 m After 24 Hrs. 190.1 m				
No Sample Taken					Gray SAND and GRAVEL w/trace of clay (continued)				
Brown SILTY LOAM	5				Gray CLAY LOAM TILL				
Brown/Gray SAND and GRAVEL	2								
Gray SILTY LOAM	4	335	13						
Gray CLAY LOAM TILL	3								
Gray SILTY CLAY LOAM w/sand	4	237	14						
Gray SAND and GRAVEL w/trace of clay	7								

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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Date 8/3/02

ROUTE FAL-74 DESCRIPTION High Mast Light Pole Foundation 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	D E P T H S	B L O W S Qu	U C S T	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H S	B L O W S Qu	U C S T	M O I S T
BORING NO. HMSB-02 Station 142+388 Offset 1.00m Lt of EB BL Ground Surface Elev. 203.41 m					Groundwater Elev.: First Encounter 198.6 m Upon Completion none After 24 Hrs. not taken				
No Sample Taken									
Brown CLAY LOAM TILL	3								
Gray CLAY LOAM TILL	2								
Gray SILT	3								
End of Boring	4	184	21						

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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ROUTE FAL-74 DESCRIPTION High Mast Light Pole Foundation 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	D E P T H S	B L O W S Qu	U C S T	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H S	B L O W S Qu	U C S T	M O I S T
BORING NO. HMSB-03 Station 142+488 Offset On EB BL Ground Surface Elev. 202.47 m					Groundwater Elev.: First Encounter 198.7 m Upon Completion none After 24 Hrs. not taken				
No Sample Taken									
Gray CLAY LOAM TILL	3								
Gray CLAY LOAM TILL	2								
Gray SILT	3								
End of Boring	4	166	14						

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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LIGHTING SHEET 53 OF 64

REVISIONS	
NAME	DATE

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

alfred benesch & company
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