WB-101

SOIL BORING LOG

PAGE 1 of 2
DATE 8/4/2009
LOGGED BY MR
GSI JOB No. 08201

ROUTE I-70 DESCRIPTION I-70/Relocated IL 3 Interchange IDOT Job No. D-98-059-08
SECTION 82-2-1HVB-1 LOCATION I-70 & Illinois Route 3 Retaining Wall
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automatic

STRUCT. NO. 082-W309
Station: --
BORING NO. WB-101
Station: 52+00
Offset: 30.0' Left
Ground Surface Elev. 416.4

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After 24 Hrs. n/a

Description	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
6.0" CONCRETE 415.9				
SILTY LOAM-brown-loose (A-4)		6, 4, 4	NP	21
		2, 3, 4	NP	26
		2, 3, 4	NP	31
408.4				
SILTY CLAY LOAM-brown-medium stiff (A-4/A-6) Wet		2, 2, 3	0.5P	32
405.9				
SANDY LOAM-brown-loose (A-2)		3, 3, 5	NP	28
		3, 4, 4	NP	23
400.9				
SILTY LOAM-brown-loose (A-4)		2, 2, 3	NP	31
		2, 2, 3	NP	31
SILTY LOAM-brown-loose (A-4)		2, 2, 3	NP	26
		2, 3, 4	NP	31
388.4				
SANDY LOAM-brown-medium dense (A-2)		4, 6, 6	NP	27
385.9				
SILTY LOAM-gray-loose (A-4)		1, 2, 3	0.5P	32
383.4				
SAND-brown-medium dense (A-3)		4, 5, 11	NP	18
		10, 13, 13	NP	21
378.4				
SAND with Gravel-brown & gray-medium dense (A-1-b)		3, 8, 9	NP	15

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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SOIL BORING LOG

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ROUTE I-70 DESCRIPTION I-70 Tri-Level Connection IDOT Job No. D-98-059-08
SECTION 82-2-1HVB-1 LOCATION I-70 Curved Approach Structure-Retaining Wall
COUNTY St. Clair DRILLING METHOD HAMMER TYPE

STRUCT. NO. 082-W309
Station: --
BORING NO. WB-101
Station: 52+00
Offset: 30.0' Left
Ground Surface Elev. 416.4

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After 24 Hrs. n/a

Description	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
SAND with Gravel-brown & gray-medium dense (A-1-b)		6, 7, 7	NP	16
373.4				
SAND-gray-medium dense to dense (A-3)		8, 16, 24	NP	23
		9, 12, 11	NP	23
		10, 12, 7	NP	23
365.9				
WOOD		3, 4, 7	NP	4.35
363.4				
SAND-gray-dense (A-3)		9, 19, 33	NP	20
360.9				
SAND with Gravel-brown & gray-medium dense (A-1-b)		9, 13, 15	NP	12
358.4				
SAND-brown & gray-medium dense to dense (A-3)		7, 9, 10	NP	17
SAND-brown & gray-medium dense to dense (A-3)		5, 6, 9	NP	16
Trace organics from -66.0' to -67.5'.		17, 25, 33	NP	17
		14, 16, 16	NP	21
343.4				
SAND with Gravel-gray-medium dense (A-1-b)		13, 14, 17	NP	20
340.9				
SAND-gray-dense (A-3)		11, 12, 13	NP	14
		11, 17, 24	NP	17
End Of Boring @ -80.0' Hollow Stem Augers To -10.0' Rotary Drilling To Completion Diedrich Automatic Hammer 336.4		11, 17, 20	NP	16

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery