SOIL BORING LOG

PAGE 1 of 3
DATE 6/23/2011
LOGGED BY DR
GSI JOB No. 10193

ROUTE FAI Rte. 1199
DESCRIPTION I-94 Interchange & Bridge Reconstruction, IDOT Job# D-91-019-11
SECTION 49-1(HB&HB-1)R
LOCATION Newport Township, Sections 4 & 9, T 46 N, R 11 E, 3rd PM
COUNTY Lake
DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 049-0089
Station 12+63
BORING NO. SB-01
Station 10+64
Offset 12' Left
Ground Surface Elev. 755.5

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 10'
Upon Completion n/a
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
9.5" ASPHALT	754.7				
			3		96
			4 5	2.6B	18
CLAY LOAM-brown & gray-stiff to hard (A-6) Fill					
			3		119
Bott. W. Abut. El. 749.93			5 5	6.1B	16
CLAY LOAM-brown & gray-stiff to hard (A-6) Fill					
			5		111
			9 9	3.0B	17
			3		96
			5 6	3.1B	25
CLAY-brown & gray-very stiff to hard (A-6)					
			4		98
			6 8	1.3B	24
			3		102
			4 5	2.75B	24
			3		106
			3 4	1.9B	22
			2		105
	730.0				
			3		121
			9 12	7.1B	14
			8		119
			13 20	5.8B	16
			8		119
			12 16	2.5P	18
			3		123
	716.5				
CLAY-gray-stiff to hard (A-6)			3 3	1.0B	23
			5		110
			7 10	2.1B	20
			10		109
			8 8	2.6B	20
			4		121
			9 12	7.1B	14
			8		119
			13 20	5.8B	16
			8		119
			12 16	2.5P	18
			3		123
			6 5	5.3B	14

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

SOIL BORING LOG

PAGE 2 of 3
DATE 6/23/2011
LOGGED BY DR
GSI JOB No. 10193

ROUTE FAI Rte. 1199
DESCRIPTION I-94 Interchange & Bridge Reconstruction, IDOT Job# D-91-019-11
SECTION 49-1(HB&HB-1)R
LOCATION Newport Township, Sections 4 & 9, T 46 N, R 11 E, 3rd PM
COUNTY Lake
DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 049-0089
Station 12+63
BORING NO. SB-01
Station 10+64
Offset 12' Left
Ground Surface Elev. 755.5

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 10'
Upon Completion n/a
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
			5		121
			7 9	1.4B	15
CLAY-gray-stiff to hard (A-6)					
			4		119
			5 10	3.9B	15
			5		119
			8 11	3.9B	16
			3		107
			5 7	1.8B	21
			3		110
			4 6	1.9B	20
CLAY-gray-stiff to hard (A-6)					
			2		101
			3 6	1.4B	25
			2		102
			3 4	1.0B	24
			3		106
			6 8	2.0B	22

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

SOIL BORING LOG

PAGE 3 of 3
DATE 6/23/2011
LOGGED BY DR
GSI JOB No. 10193

ROUTE FAI Rte. 1199
DESCRIPTION I-94 Interchange & Bridge Reconstruction, IDOT Job# D-91-019-11
SECTION 49-1(HB&HB-1)R
LOCATION Newport Township, Sections 4 & 9, T 46 N, R 11 E, 3rd PM
COUNTY Lake
DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 049-0089
Station 12+63
BORING NO. SB-01
Station 10+64
Offset 12' Left
Ground Surface Elev. 755.5

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 10'
Upon Completion n/a
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
			3		107
			4 7	2.3B	22
CLAY-gray-stiff to hard (A-6)					
			4		106
			6 8	1.6B	22
			4		108
			6 7	1.7B	21
End Of Boring @ -100.0					
Hollow Stem Augers To -10.0'					
Rotary Drilling To Completion					
10.0' Of 4.0"Ø Casing Used					
CME Automatic Hammer	655.5				
			5		111
			8 11	2.7B	19

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

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbandainc.com