Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
865 Amerigo Court, Suite 204
Naperville, Illinois 60563
(630) 820-2838

SOIL BORING LOG

PAGE 1 of 2
DATE 2/22/2012
LOGGED BY RJ
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. -- Station --
BORING NO. RW-04 Station 2029+15.3 Offset 27.9' Left Ground Surface Elev. 760.1

Surface Water Elev. n/a Stream Bed Elev. n/a
Groundwater Elevation: First Encounter Dry To 19.0' Upon Completion Dry To - 10.0' After ___ Hrs. ___

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	Soil Description
759.3				12.0" ASPHALT
	6		118	
	8			
	9	3.7B	17	
	3			
	5			
-5	5	2.0P	16	CLAY-brown & gray- medium stiff to very stiff (A-6) Fill
	5		113	
	6			
	8	1.7B	18	
	5		112	
	6			
-15	6	3.9B	18	
	3			
	3			
	5	1.0P	25	
	3		114	
	3			
-25	6	2.1B	18	
	3		110	CLAY-gray- stiff to very stiff (A-6)
	4			
	5	1.3B	20	
	2		114	
	2			
-40	2	0.6B	18	
728.1				CLAY-brown & gray- medium stiff to very stiff (A-6) Fill
	3		114	
	5			
-35	6	2.4B	19	
	9		102	
	11			
-50	13	2.6B	19	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B) Bulge, (S) Shear, (F) Fenetrometer). "P" Shelby Tube Sample. "V"Vane Shear Test. The SPT (N value) = The sum of the last two blow values of each sampling zone (AASHTO T206). The Unit Dry Weight (pcf) is noted in tons above moist (DC Wt. No Recovery

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BORING NO. RW-04 Station 2029+15.3 Offset 27.9' Left Ground Surface Elev. 760.1

Surface Water Elev. n/a Stream Bed Elev. n/a
Groundwater Elevation: First Encounter Dry To - 19.0' Upon Completion Dry To - 10.0' After ___ Hrs. ___

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	Soil Description
	7		114	CLAY-gray- stiff to very stiff (A-6)
	10			
-45	13	1.8B	18	
	6		120	
710.1	11			
-50	12	1.25B	15	
				End Of Boring @ -50.0 Hollow Stem Augers To -10.0' Rotary Drilling To Completion 10.0' Of 4.0"ø Casing Used CME Automatic Hammer
-55				
-75				
-95				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B) Bulge, (S) Shear, (F) Fenetrometer). "P" Shelby Tube Sample. "V"Vane Shear Test. The SPT (N value) = The sum of the last two blow values of each sampling zone (AASHTO T206). The Unit Dry Weight (pcf) is noted in tons above moist (DC Wt. No Recovery

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ROUTE FAI 94 DESCRIPTION I-94 Interchange & Bridge Reconstruction, IDOT Job# D-91-019-11
SECTION 4-1-R-1 LOCATION Newport Township, Sections 17, T 46 N, R 11 E, 3rd PM
COUNTY Lake DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic
STRUCT. NO. 049-0535 Station n/a
BORING NO. SB-08 Station 2030+23 ll Route 173 Offset 26.4' Left Ground Surface Elev. 760.4

Surface Water Elev. n/a Stream Bed Elev. n/a
Groundwater Elevation: First Encounter Dry to 5.0' Upon Completion n/a After ___ Hrs. ___

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	Soil Description
760.4				10.0" ASPHALT, 2.0" CLAYEY SAND & STONE
758.4	5			
	5			
	6	3.2SP	15	
	2			CLAY-brown & gray- very stiff (A-6)
	3			
-5	4	2.2SP	15	
754.9				
	2		87	
	2			
	2	0.6B	23	CLAY-brown & gray- medium stiff to stiff (A-6)
	1		105	
748.9				
	2	1.5SP		
-10	3	12.7S	22	
	5		114	
	6			
	11	5.3B	16	
	4		108	CLAY-gray- stiff to hard (A-6)
	7			
-15	10	2.3B	18	
	3		108	CLAY-brown & gray- stiff to hard (A-6)
	2			
	2	1.25B	16	
	3		115	
	5			
-20	8	4.0B	17	

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	Soil Description
	2		111	CLAY-brown & gray- stiff to hard (A-6)
	3			
	4	2.0B	18	
	7		112	
	13			
-25	19	3.7SP	17	
742.4				
	6		108	
	10			
-30	13	3.9B	20	
	7		117	CLAY-gray- stiff to hard (A-6)
	6			
-35	5	1.0B	16	
	3		116	
	5			
-55	8	1.9B	17	
	7		108	
	10			
-60	14	2.4B	20	
	5		115	
	8			
-70	12	1.6B	17	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B) Bulge, (S) Shear, (F) Fenetrometer). "P" Shelby Tube Sample. "V"Vane Shear Test. The SPT (N value) = The sum of the last two blow values of each sampling zone (AASHTO T206). The Unit Dry Weight (pcf) is noted in tons above moist (DC Wt. No Recovery

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STRUCT. NO. 049-0535 Station n/a
BORING NO. SB-08 Station 2030+23 ll Route 173 Offset 26.4' Left Ground Surface Elev. 760.4

Surface Water Elev. n/a Stream Bed Elev. n/a
Groundwater Elevation: First Encounter Dry to 5.0' Upon Completion n/a After ___ Hrs. ___

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	Soil Description
	3		111	CLAY-gray- stiff to hard (A-6)
	4			
-45	6	1.3B	18	
	5		105	
	9			
-65	12	2.9B	21	
				CLAY-gray- stiff to hard (A-6)
	7		116	
	12			
-70	21	4.5B	18	
	10			
	16			
-75	22	1.5P	20	
				End Of Boring @ -80.0 Hollow Stem Augers To -5.0' Rotary Drilling To Completion 5.0' Of 4.0"ø Casing Used CME Automatic Hammer
-80				
-90				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B) Bulge, (S) Shear, (F) Fenetrometer). "P" Shelby Tube Sample. "V"Vane Shear Test. The SPT (N value) = The sum of the last two blow values of each sampling zone (AASHTO T206). The Unit Dry Weight (pcf) is noted in tons above moist (DC Wt. No Recovery

BORING RW-04

BORING SB-08

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