Geo Services Inc.
Geotechnical, Environmental & Civil Engineering
805 Aribert Court, Suite 204
Naperville, Illinois 60565
(630) 904-2468

SOIL BORING LOG

PAGE 1 of 2
DATE 12/21-22/2011
LOGGED BY RJ
GSI JOB No. 09173

ROUTE IL Route 59 (FAP 338) DESCRIPTION Illinois Route 59-Aurora Avenue/New York Street To Ferry Road
SECTION (112 & 113) WRS-5 LOCATION SEC. 3, 9-10, 15-16, 21-22 TWP. 38N, RNG. 9E, Naperville Township
COUNTY DuPage DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. No. 022-2030 NB
Station: 4058+30.47 IL Rte. 59
BORING NO. **BS-03**
Station: 4058+23 IL Rte. 59
Offset: 39.5' Left
Ground Surface Elev. 706.5

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

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	
				6.0" ASPHALT 706.0
	31			
	17			CRUSHED STONE-medium dense (Fill)
	11	NP	8	703.5
	7			CLAY LOAM-dark brown, gray & black-very stiff (A-6) Fill
	7			
-5	7	3.25P	20	701.0
	5			SILTY CLAY LOAM with Stone-brown & gray-medium dense (Fill)
	5			
	7	1.5P	17	698.6
	5		110	
	7			CLAY LOAM-brown & gray-very stiff (A-6) Fill
-10	8	3.3B	18	
	5			Some crushed stone from -11.0' to -12.5'.
	5			
	6	-	24	693.5
	3			CLAY-gray-very stiff (A-6)
	6			
-15	10	3.3B	20	691.0
	7			SANDY CLAY LOAM with Fractured Rock-gray-medium dense (A-2)
	15			
	11	-	12	
	11			
	12			
-20	15	-	10	

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	
				SANDY CLAY LOAM-gray (A-2) 686.0
	7			
	11			
	18	NP	8	SAND & GRAVEL-gray-medium dense (A-1)
	8			
	11			
-25	13	NP	8	681.0
	10			CLAY LOAM-gray-very stiff (A-6)
	8			
	8	2.3B	10	
	6			
	6			
-30	7	2.5B	12	
				674.6
	10			SILTY LOAM-gray-medium dense (A-4)
	12			
-35	14	NP	22	
				669.5
	12			CLAY-gray-stiff (A-6)
	10			
-40	10	1.8B	18	

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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Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to -10.0'
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	
				CLAY-gray-stiff (A-6)
				664.6
				CLAY LOAM-gray-medium dense (A-6)
	8			
	12			
-45	13	-	24	
				659.6
	21			SANDY CLAY LOAM-gray-dense to very dense (A-2)
	19			
-50	20	-	11	
	54			
	66			
-55	72	-	11	
				649.6
	31			SILTY LOAM-gray-very dense (A-4)
	73			
-60	84	NP	16	

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	
				SILTY LOAM-gray-very dense (A-4)
				644.6
	38			SANDY CLAY LOAM-gray-very dense (A-2)
	79			
-65	91	-	8	641.6
				End Of Boring @ -65.0'
				Hollow Stem Augers to -10.0'
				Rotary Drilling To Completion
				CME Automatic Hammer
				10.0' Of 4.0"ø Casing Used
-70				
-75				
-80				

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KNIGHT Engineers & Architects		DESIGNED - GSI	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - WPM	REVISED	
	SCALE - NONE	DRAWN - TB	REVISED	
	DATE - 10/15/2012	CHECKED - WPM	REVISED	

SOIL BORING LOGS
S.N. 022-2029 (SB) TOLLWAY B.N. 826
S.N. 022-2030 (NB) TOLLWAY B.N. 825
SHEET NO. SA-58 OF 63 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	642
		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			