Geo Services Inc.
Geotechnical, Environmental & Civil Engineering
805 Arbor Ct., Suite 204
Naperville, Illinois 60565
(630) 961-2248

SOIL BORING LOG

PAGE 1 of 2
DATE 12/23/2011
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. 022-2029 SB
Station: 4058+30.47 IL Rte. 59
BORING NO. **BS-06**
Station: 4058+40 IL Rte. 59
Offset: 77.0' Right
Ground Surface Elev. 706.2

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 705.7
	30			CRUSHED STONE-dense (Fill)
	40			
	15	NP	7	703.2
	4		*101*	
-5	5			
	7	2.3B	20	
	7		*110*	
	8			CLAY LOAM-brown-
	10	5.9B	18	very stiff to hard (A-6)
	7		*104*	
	9			
-10	11	5.9B	20	
	6		*107*	
	12			
	15	7.5B	19	694.2
	5		*108*	CLAY-gray-very stiff (A-6)
	8			
-15	10	3.4B	20	690.7
	4			
	6			CLAY LOAM-gray-
	8	-	16	stiff to very stiff (A-6)
	15		*135*	
	13			
-20	11	2.5B	10	

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	
	5		*122*	
	5			
	6	1.8B	11	
	4			
	12			
-25	20	2.8B	12	
	5			
	8			CLAY LOAM-gray-
	10	1.4B	11	stiff to very stiff (A-6)
	4		*127*	
	6			
-30	10	1.6B	12	
	5		*111*	
	6			
-35	9	2.8B	19	
	5			
	7			
	9	2.6B	27	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (BS-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 LOAM-gray-
				stiff to very stiff (A-6)
				664.2
	22			Clayey SAND & GRAVEL-gray-
	12			medium dense (A-2)
-45	13	-	9	
	17			659.2
	21			
-50	44	NP	9	SANDY CLAY LOAM-gray-
	34			very dense (A-2)
	50			
-55	50/2"	NP	11	
				649.2
	42			SILTY LOAM to LOAM-gray-
	64			very dense (A-4)
-60	90	NP	15	

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	
	38			SILTY LOAM to LOAM-gray-
	58			very dense (A-4)
-65	62	NP	17	
				639.2
	42			
	67			Clayey SAND & GRAVEL-gray-
-70	63	NP	11	very dense (A-2)
				634.2
	57			SAND-gray-very dense (A-3)
	62			
-75	65	NP	18	631.2
				End Of Boring @ -75.0'
				Hollow Stem Augers to -10.0'
				Rotary Drilling To Completion
				CME Automatic Hammer
				10.0' Of 4.0"ø Casing Used
-80				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (BS-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
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KNIGHT
Engineers & Architects

		DESIGNED - GSI	REVISED
		CHECKED - WPM	REVISED
SCALE - NONE		DRAWN - TB	REVISED
DATE - 10/15/2012		CHECKED - WPM	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
S.N. 022-2029 (SB) TOLLWAY B.N. 826
S.N. 022-2030 (NB) TOLLWAY B.N. 825
SHEET NO. SA-61 OF 63 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	645
		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			