Geo Services Inc.
Geotechnical, Environmental & Civil Engineering
805 Arbor Court, Suite 204
Naperville, Illinois 60565
(630) 305-2688

SOIL BORING LOG

PAGE 1 of 1
DATE 4/2/2012
LOGGED BY RT
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 HAMMER TYPE CME Automatic

STRUCT. NO. --
Station: --
BORING NO. RB–86
Station: 1012+00 Ramp A
Offset: 2.3' Left
Ground Surface Elev. 704.4

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
7.0" ASPHALT					
CRUSHED STONE–dense (Fill)			10		
			16		
			14	NP	6
CLAY to CLAY LOAM–brown, gray & black–stiff to hard (A–6) Fill			4		115
			4		
		–5	4	3.2B	15
			3		95
			7		
			10	1.4B	24
			4		113
			7		
		–10	9	4.2B	15
End Of Boring @ –10.0' Hollow Stem Augers CME Automatic Hammer					
		–15			
		–20			
		–25			
		–30			
		–35			
		–40			

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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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 HAMMER TYPE CME Automatic

STRUCT. NO. 022–W067
Station: 1012+28.23 to 1022+50.59
BORING NO. RW–67
Station: 1013+08 I88 Ramp A
Offset: 3.0' Left
Ground Surface Elev. 704.6

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 679.6
Upon Completion 683.6
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
7.5" ASPHALT	703.9				
CRUSHED STONE–dense			17		
			21		
			16	NP	12
CLAY LOAM–dark brown–hard (A–6) Fill	701.6		5		
			6		
		–5	7	4.0P	18
SILTY CLAY–brown & gray–very stiff (A–6) Wet	699.1		2		97
			3		
			4	2.0B	25
CLAY LOAM–gray–stiff to hard (A–6)	696.6		0		
			2		
		–10	2	1.75P	17
			4		117
			7		
			8	4.75B	15
Silt seams from –13.5' to –15.0'.			4		
			5		
		–15	7	4.5P	17
SILTY CLAY LOAM–gray–loose to medium dense (A–4)	689.1		4		
			5		
			6	4.5P	13
			2		
			2		
		–20	2	0.5P	13
SILTY CLAY LOAM–gray–loose to medium dense (A–4)	683.6		5		128
			6		
			6	3.0B	10
CLAY LOAM–gray–very stiff (A–6)			6		
			11		
Sand & gravel seams from –23.5' to –25.0'.		–25	13	3.75P	11
			4		120
			6		
			8	2.5B	13
			3		124
			4		
		–30	5	2.0B	13
	672.6				
CLAY–gray–very stiff (A–6)			3		105
			5		
	669.6	–35	5	2.5B	21
End Of Boring @ –35.0' Hollow Stem Augers CME Automatic Hammer					
		–40			

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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 HAMMER TYPE CME Automatic

STRUCT. NO. 022–W067
Station: 1012+28.23 to 1022+50.59
BORING NO. RW–68
Station: 1014+32 I88 Ramp A
Offset: 3.0' Left
Ground Surface Elev. 705.8

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 680.8
Upon Completion 677.8
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
7.0" ASPHALT	705.2				
CRUSHED STONE–dense			12		
			29		
			10	NP	7
CLAY LOAM–brown–hard (A–6) Fill	702.8		8		
			15		
		–5	20	4.5P	9
TOPSOIL–black	700.3		5		
	698.8		5		
			7	1.5P	33
SILTY CLAY–dark brown & gray–stiff (A–6) Wet			3		92
			2		
		–10	2	1.8B	29
Clayey SAND & GRAVEL–brown–medium dense (A–2)	695.3		2		
			6		
			8	–	9
SILTY LOAM–gray–medium dense (A–4)	692.8		2		
			6		
	690.8	–15	6	0.5P	15
CLAY–gray–very stiff (A–6)			5		117
			37		
			9	3.5B	16
			28		
			29		
		–20	8	3.0P	20
CLAY–gray–very stiff (A–6)			3		104
			4		
			9	2.75B	22
SANDY LOAM–gray–medium dense (A–2)	682.8		4		
			7		
	680.8	–25	7	–	12
CLAY LOAM–gray–stiff to hard (A–6)			3		
			3		
			4	1.25P	9
			4		118
			7		
		–30	9	5.4B	13
			2		
			2		123
			3		
	670.8	–35	5	1.8B	13
End Of Boring @ –35.0' Hollow Stem Augers CME Automatic Hammer					
		–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–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
STRUCTURE NUMBER 022–W067 TOLLWAY WALL EW123.5R,EB(R)
SHEET NO. SF-5 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	688
		CONTRACT NO. 60I31		
		ILLINOIS FED. AID PROJECT		