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 4/30/2012
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 Hand Auger HAMMER TYPE n/a

STRUCT. NO. 022–W064
Station: 4048+90 to 4052+85.09
BORING NO. RW–63
Station: 4049+88 IL RTE–59
Offset: 94.0' Right
Ground Surface Elev. 702.5

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6.0" TOPSOIL–black	702.0		HA	–	33
CLAY–brown & gray– very stiff to hard (A–6)			HA	2.0P	20
			HA	2.75P	17
		–5			
			HA	3.5P	17
			HA	4.5+P	15
CLAY LOAM–gray–hard (A–6)	694.0	–10	HA	4.5+P	13
			HA	4.5+P	14
Auger Refusal @ –13.0' End Of Boring Hand Auger	689.5	–15			
		–20			

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 HA–Hand Auger

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COUNTY DuPage DRILLING METHOD Hand Auger HAMMER TYPE n/a

STRUCT. NO. 022–W064
Station: 4048+90 to 4052+85.09
BORING NO. RW–64
Station: 4051+09 IL RTE–59
Offset: 107.0' Right
Ground Surface Elev. 701.4

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 692.4
Upon Completion
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	698.4		HA	–	30
			HA	2.0P	26
SILTY CLAY–brown & gray– stiff to very stiff (A–6) Wet			HA	2.0P	26
		–5			
			HA	1.5P	33
			HA	1.0P	26
SILTY CLAY–gray–stiff (A–6)	691.9	–10	HA	1.25P	17
			HA	1.75P	18
Auger Refusal @ –13.0' End Of Boring Hand Auger	688.4	–15			
		–20			

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 HA–Hand Auger

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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 Hand Auger HAMMER TYPE n/a

STRUCT. NO. 022–W064
Station: 4048+90 to 4052+85.09
BORING NO. RW–65
Station: 4052+15 IL RTE–59
Offset: 118.9' Right
Ground Surface Elev. 702.2

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	701.2		HA	–	25
CLAY–brown & gray–hard (A–6) Fill	699.7		HA	4.25P	16
TOPSOIL–black	698.7		HA	–	23
CLAY–brown & gray– stiff to hard (A–6)			HA	1.5P	24
		–5			
			HA	4.5+P	15
			HA	4.5+P	19
		–10			
			HA	4.5P	20
Auger Refusal @ –11.0' End Of Boring Hand Auger	691.2	–15			
		–20			

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 HA–Hand Auger

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–W064
SHEET NO. SC-09 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	660
		CONTRACT NO. 60I31		
		ILLINOIS FED. AID PROJECT		