BORING LOG RW-77

Geo Services, Inc.
Geotechnics, Environmental & Civil Engineering
805 Amberst Court, Suite 204
Naperville, Illinois 60565
(630) 355-3838

SOIL BORING LOG

PAGE 1 of 1
DATE 4/24/2012
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/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 022–W065
Station: 4064+24 to 4066+90
BORING NO. **RW–77**
Station: 4064+38 IL RTE–59
Offset: 131.2' Left
Ground Surface Elev. 705.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 681.8
Upon Completion Cave In
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
12.0" TOPSOIL–black	704.3		AS	–	26
			3		*95*
SILTY CLAY–dark brown–very stiff (A–6) Wet			3		
			5	2.3B	25
	702.3				
			2		*110*
			3		
		–5	5	4.3B	20
			7		
CLAY to CLAY LOAM–brown & gray–very stiff to hard (A–6)			10		
			12	4.5+P	19
			3		
			4		
		–10	6	3.0P	13
			6		
			9		
			9	1.5P	18
			3		
			5		
		–15	7	2.5P	11
	689.8				
			4		*130*
			6		
CLAY LOAM–gray–very stiff (A–6)			7	1.8B	9
			8		*131*
		–20	10	3.0B	11

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY LOAM–gray–very stiff (A–6)					
			3		
			6		
			4	1.5P	14
			2		*122*
			4		
		–25	5	1.25B	14
			2		*112*
			4		
			6	1.25B	19
			3		*116*
			6		
		–30	7	2.75B	17
	670.3	–35	6	2.5P	15
End Of Boring @ –35.0' Hollow Stem Augers CME Automatic Hammer					

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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COUNTY DuPage DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 022–W065
Station: 4064+24 to 4066+90
BORING NO. **RW–78**
Station: 4065+76 IL RTE–59
Offset: 132.2' Left
Ground Surface Elev. 706.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 693.2
Upon Completion 685.2
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
12.0" SAND & GRAVEL (Fill)	705.2		AS	–	10
			3		*112*
			4		
			5	3.0B	17
			2		*111*
			4		
CLAY–brown & gray–very stiff to hard (A–6)		–5	7	2.5B	16
			4		*110*
			7		
			11	6.7B	19
			3		*111*
			7		
		–10	50/4"	7.6B	19
	695.7				
			5		*120*
CLAY–gray–very stiff (A–6)			7		
			12	2.8B	15
	693.2				
			8		
			26		
SILTY CLAY LOAM–brown & gray–medium dense to dense (A–4)		–15	17	NP	15
			9		
			16		
			12	NP	17
	688.2				
CLAY LOAM–gray–very stiff to hard (A–6)			7		
		–20	11	4.5+P	9

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY LOAM–gray–very stiff to hard (A–6)					
			3		*129*
			4		
			6	2.3B	11
	683.2				
			2		
SANDY LOAM–gray–medium dense (A–2)			5		
		–25	7	–	14
	680.7				
			4		*130*
CLAY LOAM–gray–stiff (A–6)			6		
			8	1.9B	11
	678.2				
			6		
			7		
SAND & GRAVEL–gray–medium dense (A–1)		–30	7	NP	16
	674.2				
CLAY–gray–stiff (A–6)			2		*113*
			6		
	671.2	–35	9	1.8B	18
End Of Boring @ –35.0' Hollow Stem Augers CME Automatic Hammer					

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

BORING LOG RW-79

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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/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 022–W065
Station: 4064+24 to 4066+90
BORING NO. **RW–79**
Station: 4066+53 IL RTE–59
Offset: 118.0' Left
Ground Surface Elev. 707.4

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 681.9
Upon Completion ___
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SANDY TOPSOIL with Gravel–black	706.9		AS	–	19
			5		*116*
			5		
			8	3.8S	15
			3		
			6		
CLAY–brown & gray–very stiff to hard (A–6)		–5	7	4.5+P	16
			5		*109*
			6		
			8	5.0B	21
			5		*107*
			8		
		–10	10	4.9B	21
	696.9				
			2		
SILTY LOAM–brown & gray–medium dense (A–4)			4		
			9	NP	18
	694.4				
			5		
			9		
		–15	8	4.0P	9
			6		
CLAY to CLAY LOAM–gray–very stiff to hard (A–6)			7		
			8	4.5P	10
			6		
			8		
		–20	8	4.5+P	10

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY to CLAY LOAM–gray–very stiff to hard (A–6)					
			5		*113*
			5		
			7	3.3B	18
			3		*128*
			8		
		–25	10	2.8B	12
	681.9				
			0		
			1		
			4	NP	17
SAND–gray–loose (A–3)			2		
			2		
		–30	4	NP	18
	675.4				
CLAY–gray–very stiff (A–6)			3		*114*
			7		
	672.4	–35	8	3.2B	18
End Of Boring @ –35.0' Hollow Stem Augers CME Automatic Hammer					

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

BORING LOGS
SN 022-W065

FILE NAME = ...\60131-W065-011-Boring1-ogs.dgn

ZROKA engineering
Zroka Engineering, P.C.
4216 North Hermitage
Chicago, IL 60613

USER NAME = SAW	DESIGNED - LAS	REVISED -
	CHECKED - DAZ	REVISED -
PLOT SCALE = 2.00 ' / IN.	DRAWN - SAW	REVISED -
PLOT DATE = 10/9/2012	CHECKED - JLA	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NUMBER 022–W065
SHEET NO. SD-11 OF SD-11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338/IL 59	(112 & 113) WRS-5	DUPAGE	963	672
		CONTRACT NO. 60I31		
		ILLINOIS FED. AID PROJECT		