BORING LOG RW-22

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-3638

SOIL BORING LOG

PAGE 1 of 1
DATE 4/21/2011
LOGGED BY DR
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. 022-W047
Station: 3965+49 to 3968+50
BORING NO. **RW-22**
Station: 3967+27 IL RTE-59
Offset: 27.5' Right
Ground Surface Elev. 689.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 667.7
Upon Completion 665.2
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
10.0" CONCRETE, 10.0" CRUSHED STONE	688.0		13		
Clayey SAND & GRAVEL–dark brown–medium dense (Fill)	686.2		10 6	NP	6
CLAY–gray–very stiff to hard (A–6)			10 12		
		–5	12	–	8
			3		112
			5 7	4.9B	18
			3		108
		–10	5 7	2.9B	19
			3		109
			5 8	3.0B	19
			3		111
		–15	6 8	3.5B	20
			7		115
			8 11	4.4B	17
			9		
		–20	11 13	4.25P	10
CLAY–gray–very stiff to hard (A–6)			10		
	667.7		24		
SAND & GRAVEL–brown & gray–very dense (A–1)	666.2		50/5"	NP	9
SAND–brown–very dense (A–3)			40 50/4"		
		–25		NP	19
	663.7				
SANDY LOAM–brown & gray–medium dense (A–2)			12 15		
	661.7		15	NP	9
CLAY LOAM–gray–stiff (A–4/A–6)			4		129
		–30	7 8	1.4B	9
	657.7				
Auger Refusal @ –32.0' End Of Boring Hollow Stem Augers CME Automatic Hammer		–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

BORING LOG RW-23

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SOIL BORING LOG

PAGE 1 of 1
DATE 4/26/2011
LOGGED BY MD
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. 022-W047
Station: 3965+49 to 3968+50
BORING NO. **RW-23**
Station: 3967+86 IL RTE-59
Offset: 33.5' Right
Ground Surface Elev. 690.9

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion 680.9
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
10.5" CONCRETE, 25.5" CRUSHED STONE–medium dense	687.4		6 7	NP	7
CLAY LOAM–brown–hard (A–6) Apparent Fill	685.4		4 6		
		–5	8	4.25P	15
CLAY–gray–very stiff (A–6)			3 5		
			7	3.5P	18
			4		109
		–10	5 7	2.2B	20
			2		107
			4 6	3.3B	19
			3		112
		–15	6 9	3.25B	18
			3		109
			5 7	3.5B	18
			4		104
		–20	6 9	3.4B	23
CLAY–gray–very stiff (A–6)			4		109
			7 9	3.6B	20
			4		107
		–25	6 8	3.0B	22
	665.4				
SAND with GRAVEL–brown & gray–very dense (A–1–b)			33 44 50/4"	NP	10
	662.9				
SANDY LOAM–gray–very dense (A–2)			13 29 44	NP	9
			30 43 50/4"	NP	8
	655.9	–35			
Auger Refusal @ –35.0' End Of Boring 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
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

FILE NAME = ...\60R30-W047-013-Boring1.og2.dgn

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

	DESIGNED - LAS	REVISED -
	CHECKED - DAZ	REVISED -
SCALE - NONE	DRAWN - SAW	REVISED -
DATE - 12/14/2012	CHECKED - LAS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 2
STA. 3965+23.00 TO STA. 3968+25.00 SN 022-W047
SHEET NO. SA-13 OF SA-13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	859
		CONTRACT NO. 60R30		
		ILLINOIS FED. AID PROJECT		