BORING LOG RW-13

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

SOIL BORING LOG

PAGE 1 of 1
DATE 1/10/2011
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 HAMMER TYPE CME Automatic

STRUCT. NO. 022–W046
Station: 3965+21 to 3971+20
BORING NO. **RW–13**
Station: 3965+21 IL RTE–59
Offset: 49.5' Left
Ground Surface Elev. 688.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 672.3
Upon Completion 678.3
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND & GRAVEL–brown	687.3		AS	–	6
			4		
CLAY–brown & gray–hard (A–6) Fill	685.3		23		
			16	4.5+P	12
CLAY–gray–stiff to very stiff (A–6)			4		114
			6		
		–5	6	3.7B	18
			4		111
			8		
			8	3.7B	19
			4		108
			5		
		–10	6	2.0B	21
			3		105
			4		
			6	1.7B	21
			2		108
			4		
		–15	5	1.5B	21
			2		110
			5		
	670.8		18	2.9B	18
SAND & GRAVEL–gray–dense (A–1)			14		
			15		
		–20	18	NP	9
SAND & GRAVEL–gray–dense (A–1)	667.8				
			25		
			27		
			30	NP	9
SANDY CLAY LOAM with Fractured Rock–gray–dense to very dense (A–2)			21		
			25		
		–25	17	NP	9
			50/5"		
				NP	9
	659.8				
Drillers Observation: Apparent Boulder			50/1"		
	658.3	–30		NP	8
End Of Boring @ –30.0' 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-14

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SOIL BORING LOG

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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–W046
Station: 3965+21 to 3971+20
BORING NO. **RW–14**
Station: 3965+94 IL RTE–59
Offset: 62.0' Left
Ground Surface Elev. 694.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 676.3
Upon Completion 674.3
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
			AS	–	14
CLAY LOAM with Stone–dark brown & gray–hard (A–6) Fill			5		
			6	4.5+P	10
			5		
			8		
	688.8	–5	13	4.5+P	8
SAND & GRAVEL–brown–medium dense (A–1)			5		
			10		
	686.3		11	NP	8
CLAY–brown & gray–hard (A–6)			7		115
			9		
	683.8	–10	13	5.0B	15
CLAY–gray–stiff to very stiff (A–6)			4		
			6		
			8	4.5P	17
			4		114
			8		
		–15	11	4.2B	18
			3		112
			6		
	676.3		8	3.7B	19
SAND & GRAVEL–gray–medium dense (A–1)			10		
			13		
	674.3	–20	12	NP	7
CLAY–gray–stiff to hard (A–6)					
			6		116
			6		
			10	3.6B	16
			20		
			11		
		–25	6	2.0P	20
			6		110
			8		
			12	3.3B	19
			3		109
			5		
		–30	6	1.6B	20
	662.3				
SANDY LOAM with Fractured Rock–gray–very dense (A–2)			10		
			27		
		–35	23	NP	8
End Of Boring @ –40.0' Hollow Stem Augers CME Automatic Hammer	654.3	–40	50/3"	–	10

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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NR–No Recovery

BORING LOG RW-15

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SOIL BORING LOG

PAGE 1 of 1
DATE 1/7/2011
LOGGED BY RJ
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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–W046
Station: 3965+21 to 3971+20
BORING NO. **RW–15**
Station: 3966+66 IL RTE–59
Offset: 65.0' Left
Ground Surface Elev. 695.6

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 675.6
Upon Completion 673.6
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	695.1				
			AS	–	21
			4		113
			5		
			6	3.5B	17
CLAY–brown & gray–very stiff to hard (A–6)			5		114
			6		
		–5	7	4.0B	16
			5		113
			9		
			11	4.5B	18
	687.6				
CLAY–gray–stiff to hard (A–6)			5		112
			8		
		–10	9	4.7B	18
			5		
			7		
			10	4.5+P	17
			4		112
			6		
		–15	9	4.0B	18
			5		113
			7		
			10	4.1B	18
			3		112
			4		
		–20	7	2.7B	19
CLAY–gray–stiff to hard (A–6)					
			4		112
	673.6				
			5		
			7	2.5B	18
SAND–brown & gray–medium dense (A–3)			3		
			4		
		–25	6	NP	15
	670.1				
SAND, GRAVEL & FRACTURED ROCK–gray–medium dense (A–1)			15		
			9		
			11	NP	5
			38		
			21		
		–30	7	NP	10
	662.1				
SANDY LOAM with Fractured Rock–gray–very dense (A–2)			20		
			50/5"		
	660.6	–35		–	7
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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NR–No Recovery

BORING LOGS 1
SN 022-W046

FILE NAME = ...\60P42-W046-0115-Boring1-log1.dgn

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 = 5/4/2012	CHECKED - LAS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 1
STA. 3965+05.35 TO STA. 3971+00.00 SN 022–W046
SHEET NO. SC-15 OF SC-17 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-I	DUPAGE	234	68
		CONTRACT NO. 60P42		
	ILLINOIS	FED. AID PROJECT		