Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60563
(630) 355-2838

SOIL BORING LOG

PAGE 1 of 1
DATE 6/13/2011
LOGGED BY RT
GSI JOB No. 10191

ROUTE IL Rte. 25 & IL Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hand Auger HAMMER TYPE CME Automatic

STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-08A**
Station 308+40 IL Route 25
Offset 27.0' Left
Ground Surface Elev. 753.5

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
752.8 8.0" TOPSOIL-black			
	AS	–	34
751.0 CLAY LOAM-brown (A-6)			
	AS	–	16
750.0 SILTY LOAM-brown (A-4)			
	AS	–	20
748.0 CLAY LOAM-brown (A-6)			
–5	AS	–	12
	AS	–	12
Auger Refusal @ –5.5' End Of Boring Hand Auger			
–10			
–15			
–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–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 PS-Pushed Spoon

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SOIL BORING LOG

PAGE 1 of 1
DATE XX
LOGGED BY MR
GSI JOB No. 10191

ROUTE IL Rte. 25 & IL Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-09**
Station 305+00 IL Route 25
Offset 42.0' Right
Ground Surface Elev. 747.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 5.0
Upon Completion n/a
After ___ Hrs. ___

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6.0" ASPHALT, 7.0" CONCRETE 746.1			
	2 2 4	2.25B	124
	3 5		119
–5	8	2.3B	13
	3 5		121
	6	1.6B	14
	3 6		119
–10	8	1.1B	14
	3 6		117
	9	1.1B	13
	3 5		120
–15	5	1.3B	14
	3 5		121
	7	1.1B	13
	4 5		123
–20	6	1.4B	13

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY LOAM-brown- stiff to very stiff (A-6) 726.2			
	3 4		
	5	0.75P	13
CLAY LOAM-brown- medium stiff (A-6)			
	3 5		120
722.2 –25	6	0.8B	12
End Of Boring @ –25.0' Hollow Stem Augers To –5.0 Rotary Drilling To Completion CME Automatic Hammer 5.0' Of 4.0"ø Casing Used			
–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 PS-Pushed Spoon

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SOIL BORING LOG

PAGE 1 of 1
DATE 6/7/2011
LOGGED BY MD
GSI JOB No. 10191

ROUTE IL Rte. 25 & IL Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-10**
Station 306+72 IL Route 25
Offset 7.0' Right
Ground Surface Elev. 743.4

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 5.0
Upon Completion n/a
After ___ Hrs. ___

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
742.2 7.0" ASPHALT, 7.0" CONCRETE			
	4		
	4 5	NP	5
740.4 SAND & GRAVEL-brown & gray- loose (A-1) Fill			
	2		126
	4 6	2.7B	11
CLAY LOAM-brown- stiff to very stiff (A-6)			
	3		121
	5 5	1.3B	13
734.9			
	4		126
	6 8	1.8B	13
	3		125
	6 9	2.5B	13
	3		124
	5 8	1.7B	13
	3		126
	6 9	1.4B	13
	4		119
	6 9	1.6B	14

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY LOAM-gray-stiff (A-6)			
	4		
	8 11	2.5P	14
	6		124
	9 13	1.6B	13
718.4 –25			
End Of Boring @ –25.0' Hollow Stem Augers To –5.0 Rotary Drilling To Completion CME Automatic Hammer 5.0' Of 4.0"ø Casing Used			
–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 PS-Pushed Spoon

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FILE NAME = IL25_WALLS_006_BoringLog3.dgn	USER NAME = akeaschall	DESIGNED - MFH	REVISED -
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	PLOT SCALE =	DRAWN - MFH	REVISED -
	PLOT DATE = 11/9/2011	CHECKED - HMA	REVISED -

CITY OF ST. CHARLES

SOIL BORING LOGS (3 OF 5)
RETAINING WALLS ALONG IL 25
SHEET NO. SR6 OF SR13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	304
		CONTRACT NO. 63650		
		ILLINOIS FED. AID PROJECT		

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