Geo Services Inc.
Geotechnical, Environmental & Civil Engineering
805 Arboretum Club Lisle 204
Naperville, Illinois 60565
(630) 305-2656

SOIL BORING LOG

PAGE 1 of 1
DATE 4/25/2011
LOGGED BY MD
GSI JOB No. 08032

ROUTE F.A. 361 DESCRIPTION Stearns Road (IL Route 25) From Dunham Road To CC&P RR
SECTION 06-00214-15-BR LOCATION SEC. 1-SW 1/4, TWP. 40 N., RNG. 8 E., 3rd P.M.
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station –
BORING NO. **RW-01**
Station: 124+46
Offset: 96.5' Left
Ground Surface Elev. 739.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 10'
Upon Completion n/a
After – Hrs. –

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
739.4				3.0" ASPHALT
	10			SANDY CLAY LOAM–dark brown–medium dense (Fill)
	11			
736.7	11	–	8	
	3			Clayey SAND & GRAVEL–dark brown–loose (A–1) Apparent Fill
	3			
–5	4	NP	8	
734.2				SAND & GRAVEL–brown–dense (A–1)
	8			
	14			
	20	NP	3	
	4			SAND & GRAVEL–brown–medium dense to very dense (A–1)
	8			
–10	13	NP	3	
	14			
	16			
	17	NP	7	
	20			CLAY–gray–stiff (A–6)
	42			
–15	50/4"	NP	8	
724.8				End Of Boring @ –35.0' Hollow Stem Augers To –10.0' Rotary Drilling To Completion Diedrich Automatic Hammer
	7			SAND with GRAVEL–brown–medium dense to dense (A–1–b)
	8			
	10	NP	18	
	14			
	19			
–20	22	NP	8	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
719.2				SAND with GRAVEL–brown (A–1–b)
	13			
	19			
	21	NP	10	
–25	18	NP	10	
	12			
	16			
–30	50/1"	NP	10	
707.7				
	3			
	5			
–35	7	1.25B	18	
704.7				
–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

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COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station –
BORING NO. **RW-02**
Station: 124+99
Offset: 61.0' Left
Ground Surface Elev. 740.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 10'
Upon Completion n/a
After – Hrs. –

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
739.9				3.0" ASPHALT
	2			SANDY CLAY LOAM–dark brown–loose (Fill)
	3			
737.2	3	–	11	
	2			SAND–brown–very loose (A–3) Apparent Fill
	2			
–5	2	–	9	
734.7				
	2			SANDY CLAY–dark brown–very stiff (A–6) Possible Fill
	3			
	4	2.5P	15	
732.2				
	6			SAND & GRAVEL–brown–medium dense to dense (A–1)
	8			
–10	12	NP	4	
	6			
	9			
	11	NP	5	
	9			
	12			
–15	15	NP	11	
	16			
	18			
	19	NP	6	
	19			
	20			
–20	20	NP	5	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	13			SAND & GRAVEL–brown–medium dense to dense (A–1)
	14			
	16	NP	8	
–25	15	NP	10	
712.2				
	9			
	13			
	19	NP	7	
–30	12	NP	14	LOAM–brown–medium dense (A–2/A–4)
708.8				
	4		110	CLAY–gray–stiff (A–6)
	5			
–35	7	1.68	17	
705.2				End Of Boring @ –35.0' Hollow Stem Augers To –10.0' Rotary Drilling To Completion Diedrich 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

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SECTION 06-00214-15-BR LOCATION SEC. 1-SW 1/4, TWP. 40 N., RNG. 8 E., 3rd P.M.
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station –
BORING NO. **RW-03**
Station: 125+98
Offset: 75.0' Left
Ground Surface Elev. 740.6

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 10'
Upon Completion n/a
After – Hrs. –

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	AS	NP	3	SAND & GRAVEL–dark brown–loose (A–1) Apparent Fill
	3			
	4	NP	7	
	2			
736.1				
–5	2	NP	7	SAND & GRAVEL–brown–loose to medium dense (A–1)
	2			
	2	NP	9	
	6			
–10	8	NP	5	
730.1				
	6			SAND with GRAVEL–brown–medium dense (A–1–b)
	7			
	9	NP	8	
–15	11	NP	8	
725.1				
	6			SAND & GRAVEL–brown–medium dense (A–1)
	9			
	13	NP	9	
	8			
	9			
–20	11	NP	8	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	10			SAND & GRAVEL–brown–medium dense (A–1)
	12			
	13	NP	6	
716.6				
	10			
	10			
–25	10	1.25P	21	CLAY–brown–stiff (A–6)
715.1				
	3		119	
	4			
	4	0.7B	14	
	4		110	
	5			CLAY–gray–medium stiff to stiff (A–6)
–30	9	1.25B	20	
	6			
	9			
705.6	11	1.25P	20	
–40				End Of Boring @ –35.0' Hollow Stem Augers To –10.0' Rotary Drilling To Completion Diedrich 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
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NR–No Recovery

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FILE NAME = 803_Boring Logs.dgn	USER NAME = mgrimm	DESIGNED - MAM	REVISED -
		CHECKED - AJK	REVISED -
	PLOT SCALE =	DRAWN - MAM	REVISED -
	PLOT DATE = 12/13/2012	CHECKED - AJK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 045-W016
SHEET NO. SR3 OF SR3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-18-RP	KANE	451	315

CONTRACT NO. 63598
ILLINOIS FED. AID PROJECT

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