Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Arbrett Court, Suite 204
Naperville, Illinois 60565
(630)-355-2838

SOIL BORING LOG

PAGE 1 of 1
DATE 4/29/2010
LOGGED BY DR
GSI JOB No. 09165

ROUTE Il. RTE 19
DESCRIPTION Irving Park Rd, York Rd, CNRR Grade Separation Prj. D-91-332-06
SECTION 32 WRS-5
LOCATION Addison Township T40 N, R11 E, NW 1/4 Section 13
COUNTY DuPage
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station –
BORING NO. EB-10
Station: 20306+50
Offset: 7.5' Right
Ground Surface Elev. 658.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 649.8 ▼
Upon Completion 654.8 ▽
After ___ Hrs. ___

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black			AS	–	29
			2		
			2		
			2	–	27
	▽654.8				
			2		
		–5	2		
			3	1.5P	16
SILTY CLAY to CLAY–brown & gray–stiff to very stiff (A–6)			2		*107*
			2		
			3	2.4B	16
	▼				
			2		*103*
			1		
		–10	2	1.1B	19
	647.8				
SILTY LOAM–gray–loose (A–4)			3		
			3		
			4	2.5P	14
	645.3				
SANDY LOAM–brown & gray–loose (A–2)			3		
			3		
		–15	4	–	15
	642.8				
SILTY CLAY LOAM–gray–very loose (A–4)			1		
			2		
			1	0.25P	20
	640.3				
CLAY–gray–very stiff (A–6)					
End Of Boring @ –20.0'			3		*114*
Hollow Stem Augers			5		
CME Automatic Hammer	638.3	–20	8	2.3B	15

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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SECTION 32 WRS-5
LOCATION Addison Township T40 N, R11 E, NW 1/4 Section 13
COUNTY DuPage
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station –
BORING NO. EB-11
Station: 20308+50
Offset: 7.5' Right
Ground Surface Elev. 660.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 654.2 ▼
Upon Completion 655.2 ▽
After ___ Hrs. ___

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
12.0" TOPSOIL–black	659.2		AS	–	25
			3		
			3		
			4	2.0P	16
SILTY CLAY–brown & gray–stiff to very stiff (A–6)			2		*103*
			2		
	▽	–5	3	1.6B	18
	▼654.2				
			3		*114*
			4		
			5	2.7B	17
			2		
			3		
		–10	4	1.25P	18
CLAY–gray–stiff to very stiff (A–6)			3		*113*
			4		
			6	1.5P	17
			3		*111*
			5		
		–15	7	1.6B	16
			2		*111*
			3		
			5	1.4B	18
			3		
End Of Boring @ –20.0'			5		
Hollow Stem Augers					
CME Automatic Hammer	640.2	–20	8	1.5P	19

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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DESCRIPTION Irving Park Rd, York Rd, CNRR Grade Separation Prj. D-91-332-06
SECTION 32 WRS-5
LOCATION Addison Township T40 N, R11 E, NW 1/4 Section 13
COUNTY DuPage
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station –
BORING NO. EB-12
Station: 20310+50
Offset: 7.5' Right
Ground Surface Elev. 660.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 652.2 ▼
Upon Completion 655.7 ▽
After ___ Hrs. ___

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black			AS	–	57
			2		*91*
			3		
	658.2		4	1.6B	21
			3		
			3		
SILTY CLAY–brown & gray–soft to stiff (A–6)	▽	–5	4	1.5P	18
			2		*100*
			3		
			3	1.25P	21
	▼652.2				
			4		
SAND–brown–medium dense (A–3)			7		
		–10	7	NP	15
	650.2				
SILTY CLAY LOAM–brown–loose (A–4)			3		
			4		
			5	3.0P	16
	647.7				
			3		
			5		
		–15	7	3.0P	14
CLAY–gray–very stiff (A–6)			3		*115*
			4		
			6	2.3B	15
			4		*117*
End Of Boring @ –20.0'			6		
Hollow Stem Augers					
CME Automatic Hammer	640.7	–20	9	3.3B	14

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 = ...\D180W01-SHT-BORINGS-RR04.dgn

HDR ENGINEERING, INC.

USER NAME = nratterm	DESIGNED - DP	REVISED -	
	DRAWN - JM	REVISED -	
PLOT SCALE = 2.0000 ' / IN.	CHECKED - NMR	REVISED -	
PLOT DATE = 11/2/2012	DATE - 11-02-2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMBANKMENT SOIL BORING LOGS

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	32VB	DUPAGE	388	357

CONTRACT NO. 60W01
ILLINOIS FED. AID PROJECT