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

SOIL BORING LOG

PAGE 1 of 1
DATE 5/4/2010
LOGGED BY DR
GSI JOB No. 09165

ROUTE Il. RTE 19 DESCRIPTION Irving Park Rd., York Rd., CPR Grade Separation Prj. D-91-332-06
SECTION 32 WRS-5 LOCATION Addison Township T 40 N, R 11 E, NW 1/4 Section 13 , 3rd P.M.
COUNTY DuPage DRILLING METHOD Hollow Stem Auger/ Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 022-1002
Station 20300+34 to 20302+88
BORING NO. **WB-09**
Station: 20300+46
Offset: 26.0' Left
Ground Surface Elev. 666.9

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL-black	665.9		AS	–	37
Silty SAND & CINDERS-black-loose (Fill)	663.9		3 2 2	NP	18
CLAY LOAM-dark brown & black-loose (Fill)	661.4	–5	2 3 5	–	20
SILTY CLAY-dark brown & black-very stiff (A-6) Wet	658.9		4 6 7	2.75P	27
SILTY CLAY-brown & gray-soft to stiff (A-6) Wet	653.9	–10	2 3 3	1.3B	28
CLAY-brown & gray-very stiff (A-6)	651.4	–15	2 1 2	1.0P	26
CLAY LOAM-gray-very stiff (A-6)	648.9	–20	4 5 9	2.2B	20
SAND-gray-medium dense (A-3)	646.4	–25	5 4 6	3.5P	18
SANDY LOAM-medium dense (A-2)	643.9	–30	5 9 9	NP	22
CLAY-gray-stiff to hard (A-6)	626.9	–40	5 7 10	NP	17
		–45	5 10 17	2.9B	19
		–50	6 6 8	–	24
		–55	4 6 8	2.7B	17
		–60	3 3 5	1.0B	19
		–65	3 4 5	1.4B	18
		–70	3 4 4	2.0B	21
		–75	3 4 5	1.6B	22
		–80	3 4 6	1.5P	21
		–85	3 4 6	1.3B	20
		–90	3 4 5	1.4B	21

End Of Boring @ –40.0'
Hollow Stem Augers To –10.0'
Rotary Drilling To Completion
CME Automatic Hammer
10.0' Of 4.0"ø Casing Used

111 *92* *117* *109* *108*

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

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

SOIL BORING LOG

PAGE 1 of 1
DATE 4/26/2010
LOGGED BY DR
GSI JOB No. 09165

ROUTE Il. RTE 19 DESCRIPTION Irving Park Rd., York Rd., CPR Grade Separation Prj. D-91-332-06
SECTION 32 WRS-5 LOCATION Addison Township T 40 N, R 11 E, NW 1/4 Section 13 , 3rd P.M.
COUNTY DuPage DRILLING METHOD Hollow Stem Auger/ Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 022-1001
Station 10300+34 to 10302+88
BORING NO. **WB-10**
Station: 20300+99
Offset: 56.5' Right
Ground Surface Elev. 661.9

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 655.9
Upon Completion n/a
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
3.0" ASPHALT, 6.0" SAND & GRAVEL	661.0		5		109
SILTY CLAY-brown & gray-very stiff (A-6)		–5	4 4 5	2.7B	14
SANDY LOAM-gray-loose (A-2)	653.9		3 2 2 2	NP	19
SILTY CLAY LOAM-gray-loose (A-4)	651.4	–10	3 3 3	0.4B	13
CLAY-gray-stiff to very stiff (A-6)		–15	3 3 4 2 3	1.7B 1.5B	111 15 108
		–20	3 6 3 3	1.7B 1.7B	17 113 16
		–25	5 10 17	2.9B	19
		–30	6 6 8	–	24
		–35	4 6 8	2.7B	17
		–40	3 3 5	1.0B	19
		–45	3 4 5	1.4B	18
		–50	3 4 4	2.0B	21
		–55	3 4 5	1.6B	22
		–60	3 4 6	1.5P	21
		–65	3 4 6	1.3B	20
		–70	3 4 5	1.4B	21

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY-gray-stiff to very stiff (A-6)		–25	4 4 4	1.63	17
		–30	3 3 4	1.53	18
		–35	5 8 9	2.4B	19
		–40	3 5 7	1.4B	18
		–45	3 5 7	2.0B	16
		–50	4 5 6	NP	10
		–55	4 4 6	2.5P	11
		–60	4 4 6	NP	16
		–65	4 5 8	NP	15
		–70	4 5 6	1.7B	20
		–75	4 6 6	2.6B	18
		–80	4 6 6	1.5P	21
		–85	4 6 9	NP	20

SILT-gray-medium dense (A-4) 624.9
End Of Boring @ –40.0'
Hollow Stem Augers To –10.0'
Rotary Drilling To Completion
CME Automatic Hammer
10.0' Of 4.0"ø Casing Used 621.9

110 *110* *107* *110* *108* *109* *110* *107* *106* *108* *105*

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

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst 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., CPR Grade Separation Prj. D-91-332-06
SECTION 32 WRS-5 LOCATION Addison Township T 40 N, R 11 E, NW 1/4 Section 13 , 3rd P.M.
COUNTY DuPage DRILLING METHOD Hollow Stem Auger/ Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 022-1002
Station 20300+34 to 20302+88
BORING NO. **WB-11**
Station: 20302+25
Offset: 50.5' Left
Ground Surface Elev. 667.0

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Silty SAND & GRAVEL-dark brown, gray & black-medium dense (Fill)	664.0		AS 4 5	–	12
SAND, GRAVEL, CINDERS & CLAY-dark brown to black-loose to medium dense (Fill)	659.0	–5	6 4 4	NP 2.5P	10 11
SANDY LOAM-gray-loose (A-2)	656.5	–10	4 6 3 4 5	NP	16 15
CLAY-brown & gray-stiff (A-6)	654.0		3 4 5	1.7B	108 20
CLAY-gray-medium stiff to very stiff (A-6)	630.0	–15	2 4 6	2.6B	112 18
SILT-gray-medium derse (A-4)			3 4 6	1.5P	21
End Of Boring @ –40.0' Holow Stem Augers To –10.0' Rotary Drilling To Completion CME Automatic Hammer 10.0' Of 4.0"ø Casing Used	627.0	–20	2 3 4	1.3B	110 20
CLAY-gray-medium stiff to very stiff (A-6)		–25	3 5 4	1.0B	19
		–30	3 4 5	1.4B	18
		–35	3 4 4	2.0B	21
		–40	3 4 5	1.6B	22
		–45	3 4 4	NP	21

110 *107* *107* *106* *105*

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

c:\pwworking\oma\d0593503\WXXX-60B42-037-SBL.DGN
jmigus

11/2/2012
11:32:28 AM

HDR ENGINEERING, INC.	USER NAME = jmigus	DESIGNED - BWC	REVISED -
	FILE NAME = WXXX-60B42-037-SBL.DGN	CHECKED - JAR	REVISED -
	PLOT SCALE = NONE	DRAWN - JM	REVISED -
	PLOT DATE = 11/2/2012	CHECKED - JAR	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
CPR RETAINING WALLS
SHEET NO. 37 OF 42 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345A	32VB	DU PAGE	388	239

CONTRACT NO. 60W01
ILLINOIS FED. AID PROJECT