SOIL BORING SB-07 (1 OF 2)

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 100
Naperville, Illinois 60563
(630) 355-3033

SOIL BORING LOG

PAGE 1 of 2
DATE 3/29/2010
LOGGED BY RJ
GSI JOB No. 09118

ROUTE FAP 345 (U.S. Route 20) DESCRIPTION US 20 over McLean Boulevard, Elgin, Illinois Contract No. 60H45
SECTION 8R-R LOCATION SEC. 22, TWP. 41N, RNG. 8E, 3rd PM, Elgin Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 045-0077
Station: 98+32.18
BORING NO. SB-07
Station: 101+21 US 20
Offset: 32' Left
Ground Surface Elev. 848.4

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 (%)
9.0" ASPHALT	847.7				
SILTY CLAY-black-hard (A-6) Fill	845.4		5 5 5	4.5P	19
SANDY CLAY LOAM with Stone-dark brown & black-medium dense (Fill)	842.9	-5	3 5 7	-	10
SILTY CLAY with Stone-dark brown & black-very stiff (Fill)	840.8		6 6 12	2.0P	20
SAND & GRAVEL-brown-dense (A-1) Fill	835.4	-10	7 20 28	NP	5
Clayey SAND & GRAVEL-dark brown, gray & black-medium dense to dense (Fill)	830.4	-15	15 25 17 15 15 14	NP	14
SILTY CLAY with Stone-brown & black-medium dense (Fill)		-20	3 7 3	-	19
SILTY CLAY with Stone (Fill)	827.9				
SILTY CLAY LOAM-brown-medium stiff (A-4/A-6)	825.4		5 7 4	0.7B	25
Silty SAND & GRAVEL-brown-medium dense (A-2)	822.9	-25	18 13 16	NP	11
SAND-brown-medium dense (A-3)	820.4		10 10 13	NP	18
SAND & GRAVEL-brown-dense to very dense (A-1)		-30	10 14 11	NP	8
		-35	30 32 50/1"	NP	15
		-40	30 30 20	NP	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
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

SOIL BORING SB-07 (2 OF 2)

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SOIL BORING LOG

PAGE 2 of 2
DATE 3/29/2010
LOGGED BY RJ
GSI JOB No. 09118

ROUTE FAP 345 (U.S. Route 20) DESCRIPTION US 20 over McLean Boulevard, Elgin, Illinois Contract No. 60H45
SECTION 8R-R LOCATION SEC. 22, TWP. 41N, RNG. 8E, 3rd PM, Elgin Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 045-0077
Station: 98+32.18
BORING NO. SB-07
Station: 101+21 US 20
Offset: 32' Left
Ground Surface Elev. 848.4

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 (%)
SAND & GRAVEL-brown-dense to very dense (A-1)	801.4	-45	20 20 17	NP	10
SILTY LOAM to LOAM-brown-dense (A-4)	796.4	-50	17 17 17	NP	19
SAND & GRAVEL-brown-very dense (A-1)		-55	50/1"	NP	14
		-60	50/3"	NR	
SAND & GRAVEL-brown-very dense (A-1)	776.4	-65	34 44 50/3"	NP	7
SAND & GRAVEL-gray-dense (A-1)	773.4	-70	30 36 50/3"	NP	16
		-75	24 17 15	NP	13
End Of Boring @ -75.0' Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer		-80			

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NR-No Recovery

SOIL BORING SB-08 (1 OF 2)

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SOIL BORING LOG

PAGE 1 of 2
DATE 4/1/2010
LOGGED BY MR
GSI JOB No. 09118

ROUTE FAP 345 (U.S. Route 20) DESCRIPTION US 20 over McLean Boulevard, Elgin, Illinois Contract No. 60H45
SECTION 8R-R LOCATION SEC. 22, TWP. 41N, RNG. 8E, 3rd PM, Elgin Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 045-0077
Station: 98+32.18
BORING NO. SB-08
Station: 101+33 US 20
Offset: 45' Right
Ground Surface Elev. 848.8

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 (%)
8.0" ASPHALT	848.1				
Clayey SAND & GRAVEL-brown-medium dense (A-2) Fill	845.8		5 6 6	-	9
CLAY LOAM with Stone-dark gray & black-medium dense to dense (Fill)	835.8	-5	4 5 7	1.75P	13
		-10	5 9 14	-	6
		-15	6 9 21	2.5P	18
		-20	7 9 16	-	17
SAND & GRAVEL-brown-medium dense (A-1) Fill	833.3	-25	5 14 14	NP	10
Clayey TOPSOIL-black (Fill)	830.8		5 6 10	1.5P	25
CLAY LOAM-brown-medium dense (A-4) Fill		-30	5 7 10	NP	17
CLAY LOAM-medium dense (A-4) Fill	828.3				
SANDY CLAY LOAM-dark brown-medium dense (A-2) Possible Fill	825.8		3 6 9	-	42
SILTY LOAM to LOAM-dark brown-medium dense (A-4)	823.3	-25	4 8 13	NP	27
Silty SAND & GRAVEL-brown-medium dense to dense (A-2)	816.8		5 8 14	NP	12
SAND & GRAVEL-brown-dense to very dense (A-1)		-30	9 14 19	NP	7
		-35	14 42 19	NP	17
		-40	30 39 47	NP	5

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