SOIL BORING WB11-10

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 4/28/2010
LOGGED BY RJ
GSI JOB No. 09118

ROUTE FAP 345 (U.S. Route 20) — DESCRIPTION US 20 over McLean Boulevard, Elgin, Il. IDOT Job No. D-91-632-09
SECTION 8R-R — LOCATION SEC. 22, TWP. 41N, RNG. 8E, 3rd PM, Elgin Township
COUNTY Kane — DRILLING METHOD 3.25" Hollow Stem Auger — Hammer TYPE Diedrich Automatic

STRUCT. NO. 045-W011
Station –
BORING NO. WB11-10
Station: 12+92 Ramp B
Offset: 14' Right
Ground Surface Elev. *825.1*

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	*824.1*		AS	–	23
			2		*89*
SILTY CLAY–brown–stiff (A-6) Wet			4		
	822.1		5	1.3B	32
			7		
			10		
		–5	9	NP	10
			10		
			16		
			22	NP	6
SAND & GRAVEL–brown–medium dense to very dense (A-1)			29		
			24		
		–10	23	NP	4
			33		
			38		
			50/1"	NP	4
			40		
			29		
		–15	26	NP	5
			22		
			28		
			33	NP	3
End Of Boring @ –20.0'			32		
Hollow Stem Augers			39		
Diedrich Automatic Hammer	*805.1*	–20	50/1"	NP	5

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

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COUNTY Kane — DRILLING METHOD 3.25" Hollow Stem Auger — Hammer TYPE Diedrich Automatic

STRUCT. NO. 045-W011
Station –
BORING NO. WB11-11
Station: 13+50 Ramp B
Offset: 14' Right
Ground Surface Elev. *824.0*

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
14.0" TOPSOIL–black	*822.8*		AS	–	19
			3		*97*
SILTY CLAY–brown–very stiff (A-6) Wet			6		
			6	2.6B	25
	821.0				
			2		
			5		
		–5	6	NP	13
			5		
			7		
			8	NP	8
SAND & GRAVEL–brown–medium dense to dense (A-1)			15		
			24		
		–10	21	NP	7
			19		
			21		
			23	NP	5
			15		
			24		
		–15	24	NP	4
			17		
			21		
			23	NP	5
End Of Boring @ –20.0'			20		
Hollow Stem Augers			25		
Diedrich Automatic Hammer	*804.0*	–20	27	NP	4

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 (%)
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FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN - MDB	REVISED -
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = $SCALE$	CHECKED - PK	REVISED -
	PLOT DATE = $DATE$	DATE - 05/18/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
US 20 OVER MCLEAN BOULEVARD

SOIL BORING LOGS
4 OF 4

SCALE: | SHEET NO. RW11-18 OF RW11-18 | STA. 5+99.65 TO STA. 14+20.74

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-HB-2-BY-1	KANE	434	298
SN 045-W011		CONTRACT NO. 60K90		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		