SOIL BORING LOG

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

PAGE 1 of 3
DATE 1/24/2012
LOGGED BY RT
GSI JOB No. 10023

ROUTE FAI 94 @ FAP 341
DESCRIPTION I-94/Stony Island Feeder Interchange Improvements #P-91-184-10
SECTION 1212B-1
LOCATION SEC. 11, 12, 13, & 14, TWP. 37 N., RNG. 14 E., 3rd P.M.
COUNTY Cook
DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. SN 016-2439
Station
BORING NO. S39-B
Station: 926+82
Offset: 76.5' Left
Ground Surface Elev. 587.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 578.1 ▼
Upon Completion n/a ▽
After ___ Hrs. ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
10.0" CONCRETE, 4.0" CRUSHED STONE	585.9				
CLAY LOAM-dark brown & gray-stiff to very stiff (A-6) Fill			3		112
			3 4	2.3B	16
			3		104
		-5	3 4	1.4B	21
	581.6				
CLAY-brown & gray-stiff to very stiff (A-6) ▼			3		104
			3 5	1.7B	22
			3		97
		-10	4 5	1.1B	23
			3		104
			3 6	2.5B	21
	574.1				
CLAY-gray-stiff to very stiff (A-6)			3		108
		-15	4 6	1.5B	19
			3		110
			6 8	2.9B	19
			3		110
		-20	5 8	3.1B	18
CLAY-gray-stiff to very stiff (A-6)			4		110
			6 9	3.4B	19
	564.1				
Sand & gravel seams from -23.5' to -25.0'.			6		
		-25	8 9	2.5P	15
			4		118
			5 8	3.1B	15
CLAY LOAM-gray-stiff to hard (A-6)			4		118
		-30	6 8	3.8B	13
			4		113
		-35	5 9	3.75B	16
			6		119
		-40	9 14	5.7B	13

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	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY LOAM-gray-stiff to hard (A-6)			10		116
			14 16	5.7B	13
		-45	9		116
			14 18	4.9B	13
		-50	6		115
			11 12	3.0B	14
		-55	9		106
			10 15	1.5B	22
		-60			
CLAY LOAM-gray-stiff to hard (A-6)			9		118
			18 24	3.85@ 11.3%	13
		-65	9		110
			14 22	4.9B	17
		-70	11		119
			15 22	4.5S@ 12.7%	13
		-75	9		116
			16 21	5.0B	14
		-80			

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Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY LOAM-gray-stiff to hard (A-6)					
	503.1		36		
		-85	51/5"	NP	10
Silty SAND, GRAVEL & FRACTURED ROCK-gray-very dense (A-2)					
	498.1		51/2"	NP	5
Drillers Observation: Possible Bedrock		-90			
	495.1				
End Of Boring @ -92.0', Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer 10.0' Of 4.0"ø Casing Used		-95			
		-100			
		-105			
		-110			
		-115			
		-120			

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 T205) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

USER NAME =	DESIGNED - GFP/ GMK	REVISED -
PLOT SCALE =	DRAWN - GFP	REVISED -
PLOT DATE =	CHECKED - GMK	REVISED -
FILE NAME =	DATE - 03/29/13	REVISED -

DBS STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1008 FAX. (312)857-1056

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS II
SN 016-2439

SHEET NO. S8 OF S18 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	483
		CONTRACT NO. 60J12		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT