

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

SOIL BORING LOG PAGE 1 of 3 DATE 1/22/2012 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 926+91 BORING NO. S39-A Station: 926+91 Offset: 39.0' Right Ground Surface Elev. 586.0

DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)
0				TOPSOIL with Stone-black	0			
2	108				2	108		
3	1.450				3	1.450		
4	12.7%	17		CLAY LOAM-dark brown & gray-medium stiff to stiff (A-6) Fill	4	1.4B	23	
2		88			4			
2					6			
5	3	0.98	23		8			24
3		89			16			
4					19			
6	3.48	22			28			18
3		105			7			118
4					9			
10	6	2.48	22	CLAY LOAM-gray-stiff to very stiff (A-6)	13	2.3B	13	
4		102						
5								
8	1.9B	23						
4					7			119
6					10			
15	7	1.0P	23		14	6.6B	13	
4								
5								
8			22	CLAY-gray-stiff to very stiff (A-6)				
4		110			8			122
6					13	7.650		
20	8	2.6B	20		20	14.1%	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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7		118			11			125
12	3.850			CLAY LOAM-gray-very stiff to hard (A-6)	25	4.250		
15	14.1%	13			22	14.1%	12	
10		117			8			108
12					13			
50	19	5.7B	14		21	4.6B	20	
6		108			7			120
9					11			
12	2.8B	21			12	2.5B	14	
6		121			25			9
10	4.250			Silty SAND, GRAVEL & FRACTURED ROCK-gray-very dense (A-2)	34			
16	11.3%	14			42	NP	8	

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51/2'				Silty SAND, GRAVEL & FRACTURED ROCK-gray-very dense (A-2)	51/2'			
85		NP	10					
496.0	-90	NP	9					
493.0								
85					12	2.5B	14	
80	42	NP	8					

Drillers Observation: Possible Bedrock

End Of Boring @ -93.0', Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer 10.0' Of 4.0" Casing Used

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