

SOIL BORING LOG		PAGE 1 of 3	
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amphlett Court, Suite 204 Naperville, Illinois 60565 (630) 355-3838			
ROUTE <u>FAI 94 @ FAP 341</u>		DESCRIPTION <u>I-94/Stony Island Feeder Interchange Improvements #P-91-184-10</u>	
SECTION <u>1212B-1</u>		LOCATION <u>SEC. 11, 12, 13, &amp; 14, TWP. 37 N., RNG. 14 E., 3rd P.M.</u>	
COUNTY <u>Cook</u>		DRILLING METHOD <u>Hollow Stem Auger/Rotary</u> HAMMER TYPE <u>CME Automatic</u>	
STRUCT. NO. <u>SN 016-2436</u>		Surface Water Elev. <u>n/a</u>	
Station <u></u>		Stream Bed Elev. <u>n/a</u>	
BORING NO. <u>S36-C</u>		Groundwater Elevation:	
Station: <u>819+49</u>		First Encounter <u>n/a</u>	
Offset: <u>22.0' Left</u>		Upon Completion <u>n/a</u>	
Ground Surface Elev. <u>620.0</u>		After _____ Hrs. <u></u>	
DEPTH (ft)	BLOW COUNT (blows/ft)	UNSATURATED QUANTITY (%)	MOISTURE (%)
4			113
3			10
3	3.8B	17	9 3.5P 17
5			108
6			4
6	2.9B	20	5
8			25 7 - 22
4			594.0
6			4
7	3.1B	21	12
7			8 - 21
4			592.0
6			3
7			4
7	2.0B	19	3 102
6			4
6			6 108
7			7
7	1.4B	18	5 108
5			4
8			7
7	2.3B	21	5 107
4			3
5			4
9	2.8B	18	40 7 0.9B 19

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 (ASTM D1586) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
 NR-No Recovery

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Offset: <u>22.0' Left</u>		Upon Completion <u>n/a</u>	
Ground Surface Elev. <u>620.0</u>		After _____ Hrs. <u></u>	
DEPTH (ft)	BLOW COUNT (blows/ft)	UNSATURATED QUANTITY (%)	MOISTURE (%)
3			110
4			6 118
4			9
7	1.5B	20	65 13 3.6B 15
4			110
6			9 127
6			17
9	2.2B	20	70 18 9.0B 12
4			106
7			27
11	1.8B	20	75 32 2.3B 14
4			114
8			17
10	2.7B	16	80 21 6.9B 13

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DEPTH (ft)	BLOW COUNT (blows/ft)	UNSATURATED QUANTITY (%)	MOISTURE (%)
12			122
15			85 19 4.9B 13
11			120
18			90 24 4.0B 11
10			113
19			95 27 3.0B 18
10			118
14			520.0-100 24 4.6B 15

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2/21/15 2 PM

3/29/2013

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BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbainc.com

USER NAME =	DESIGNED - TL	REVISED -
PLOT SCALE =	CHECKED - BAK	REVISED -
PLOT DATE = 03/29/2013	DRAWN - TL	REVISED -
	CHECKED - BAK	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS IV  
 STRUCTURE NO. 016-2470  
 SHEET NO. S-42 OF S-53 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	417
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				