

SOIL BORING LOG					SOIL BORING LOG				
PAGE 1 of 3 DATE 12/30/2010 LOGGED BY DR GSI JOB No. 10023					PAGE 2 of 3 DATE 12/30/2010 LOGGED BY DR 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					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				
SURF. NO. SN 016-2438 Station _____ BORING NO. <b>S38-A</b> Station: 214+67 Offset: 12.5' Right Ground Surface Elev. 586.0					SURF. NO. SN 016-2438 Station _____ BORING NO. <b>S38-A</b> Station: 214+67 Offset: 12.5' Right Ground Surface Elev. 586.0				
Surface Water Elev. <i>n/a</i> Stream Bed Elev. <i>n/a</i> Groundwater Elevation: First Encounter 583.0 Upon Completion <i>n/a</i> After _____ Hrs.					Surface Water Elev. <i>n/a</i> Stream Bed Elev. <i>n/a</i> Groundwater Elevation: First Encounter 583.0 Upon Completion <i>n/a</i> After _____ Hrs.				
10.0" ASPHALT, 8.0" CRUSHED STONE 584.5 10 Clayey SAND, GRAVEL & STONE- medium dense (Fill) 583.0 8 NP 14 TOPSOIL-black 580.5 1 92 1 1 -5 2 0.4B 31 CLAY-brown & gray-hard (A-6) 575.5 1 113 4 7 5.4B 18 5 7 5.4B 18 -10 8 5.4B 18 CLAY-gray-very stiff (A-6) 3 113 5 7 2.2B 18 -15 8 3.0B 18 4 110 6 10 3.7B 20 4 109 7 3.7B 20 -20 12 3.7B 20					CLAY-gray-very stiff (A-6) 563.0 5 112 6 9 3.1B 19 10 12 2.7B 15 -25 12 2.7B 15 9 113 10 14 3.0B 18 5 124 7 9 6.1B 13 -30 9 6.1B 13 8 114 13 9 5.8B 13 -35 9 5.8B 13 8 114 17 12 2.8B 15 -40 10 2.8B 15 SILTY LOAM-gray-dense (A-4) 529.0 17 120 24 50/3 3.4B 15 -60 29 NP 22				

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CLAY LOAM-gray-very stiff to hard (A-6) 524.0 5 122 8 20 14 128 -45 10 4.1B 14 CLAY LOAM-gray-very stiff to hard (A-6) 499.5 14 128 20 50/4 50/4 -85 NP 12 497.5 50/3 NP 10 RUN 1 (-88.5' to -98.5') Silurian System Niagaran Series Dolomite Light gray to gray & fine grained with horizontal bedding. Horizontal fractures @ -88.7', -88.9' & -89.8'. Recovery=96.0% R.O.D.=92.0% 487.5 12 120 19 19 5.4B 15 -75 25 5.4B 15 -95 RUN 1 487.5 27 120 50/3 3.4B 15 -80 29 NP 22					CLAY LOAM-gray-very stiff to hard (A-6) 504.0 5 122 8 20 14 128 -65 26 7.6B 11 499.5 14 128 20 50/4 50/4 -85 NP 12 497.5 50/3 NP 10 RUN 1 (-88.5' to -98.5') Silurian System Niagaran Series Dolomite Light gray to gray & fine grained with horizontal bedding. Horizontal fractures @ -88.7', -88.9' & -89.8'. Recovery=96.0% R.O.D.=92.0% 487.5 12 120 19 19 5.4B 15 -75 25 5.4B 15 -95 RUN 1 487.5 27 120 50/3 3.4B 15 -80 29 NP 22				

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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

3:33:39 PM

4/30/2013

S:\1072\_05\_CADD\Structure\1 SN 0162471\CADD Sheets\0162471-6012-041-9501.dgn

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 I  
 STRUCTURE NO. 016-2471  
 SHEET NO. S-41 OF S-63 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	534
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				