



**Illinois Department of Transportation**  
Division of Highways  
IDOT

# SOIL BORING LOG

Page 1 of 1

Date 4/14/05

ROUTE FAP 595 DESCRIPTION P92-082-01 Bridge over John Deere Road at proposed 41st Street connector LOGGED BY W. Garza

SECTION 142-R LOCATION S. Moline Twp. - 10 SW, SEC. , TWP. 17N, RNG. 1W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. \_\_\_\_\_  
Station 525+38.10

BORING NO. B-2c  
Station 524+80  
Offset ft at CL  
Ground Surface Elev. 572.4 ft

DEPTH (ft)	BLOW COUNT (blows/ft)	UNCONF. COMP. STRENGTH (tsf)	MOISTURE (%)
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DEPTH (ft)	BLOW COUNT (blows/ft)	UNCONF. COMP. STRENGTH (tsf)	MOISTURE (%)	SOIL DESCRIPTION	GROUNDWATER ELEV. (ft)
572.4				MEDIUM dark brown LOAM	
569.90	4	0.6 P	14	Old Concrete	550.90
568.40	20+				
565.90	2, 3, 4	2.1 B	18	VERY STIFF brown SILTY CLAY LOAM	
563.40	1, 3, 3	1.2 B	39	STIFF dark gray SILTY CLAY LOAM	
560.90	1, 2, 2	0.3 B	40	SOFT gray SILTY LOAM	
557.90	1, 1, 2	0.5 B	66	SOFT/MEDIUM gray SHALEY CLAY LOAM with 10% ORGANICS	
555.40	1, 6, 6			MEDIUM dark gray fine clean SAND	
553.40	24			VERY DENSE gray SHALE with COAL lens	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, from 137 (Rev. 8-99)



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# ROCK CORE LOG

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Date 4/14/05

ROUTE FAP 595 DESCRIPTION P92-082-01 Bridge over John Deere Road at proposed 41st Street connector LOGGED BY W. Garza

SECTION 142-R LOCATION S. Moline Twp. - 10 SW, SEC. , TWP. 17N, RNG. 1W

COUNTY Rock Island CORING METHOD \_\_\_\_\_

STRUCT. NO. \_\_\_\_\_  
Station 525+38.10

BORING NO. B-2c  
Station 524+80  
Offset ft at CL  
Ground Surface Elev. 572.4 ft

CORING BARREL TYPE & SIZE  
Core Diameter 1.5 in  
Top of Rock Elev. 555.40 ft  
Begin Core Elev. 549.90 ft

DEPTH (ft)	CORRECTION (%)	RECOVERY (%)	ROCK QUANTITY (%)	CORE TIME (min/ft)	STRENGTH (tsf)
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DEPTH (ft)	CORRECTION (%)	RECOVERY (%)	ROCK QUANTITY (%)	CORE TIME (min/ft)	STRENGTH (tsf)
549.90	1	100	15	2.4	
544.90	2	100	63	4	97.7
539.90	3	100	70	3.4	154.7
534.90					

Color pictures of the cores \_\_\_\_\_  
Cores will be stored for examination until \_\_\_\_\_  
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)  
BBS, form 138 (Rev. 8-99)

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USER NAME = mteng	DESIGNED - MHT	REVISED -
PLOT SCALE = 0:2.0000 "/>	CHECKED - BWS	REVISED -
PLOT DATE = 3/11/2013	DRAWN - SMY	REVISED -
	CHECKED - BWS	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS 2**  
**STRUCTURE NO. 081-0176**

F.A.P. RTE. 595	SECTION (142-1JR & 142-1HB)	COUNTY ROCK ISLAND	TOTAL SHEETS 507	SHEET NO. 325
CONTRACT NO. 64884			ILLINOIS FED. AID PROJECT	

SHEET NO. S-26 OF S-27 SHEETS