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**SOIL BORING LOG**

DATE 5/27/2010  
 LOGGED BY DR  
 GSI JOB No. 10024

ROUTE FAP 0307 DESCRIPTION Il. 64 Bridge Over Des Plaines River, IDOT Job No. D-91-183-10IL-64  
 SECTION 541-Y-3 LOCATION Riverside Township SEC. 1, TWP. 39 N, RNG. 12 E, 3rd P.M.  
 COUNTY Cook DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 016-0501 SURFACE WATER Elev. 610.3  
 Station 120+43.0 Stream Bed Elev. 607.8  
 BORING NO. B-03 Groundwater Elevation:  
 Station: 98+42 First Encounter n/a  
 Offset: 43.2' Left Upon Completion n/a  
 Ground Surface Elev. 624.8 After \_\_\_\_\_ Hrs. \_\_\_\_\_

DEPTH (ft)	UCS (tsf)	MOIST (%)	DEPT (ft)	UCS (tsf)	MOIST (%)
582.8					
21	125				
21					
45	24	6.28	13		
577.8					
21	124				
33					
50	41	3.58	13		
567.3					
19	128				
22					
55	24	3.58	12		
60					

Drillers Observation: Possible bedrock. 566.8

Silurian System, Niagaran Series Dolomite RUN 1 (-58.0' to -68.0')

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Perimeter) 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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**ROCK CORE LOG**

DATE 5/27/2010  
 LOGGED BY DR  
 GSI JOB No. 10024

ROUTE FAP 0307 DESCRIPTION Il. 64 Bridge Over Des Plaines River, IDOT Job No. D-91-183-10IL-64  
 SECTION 541-Y-3 LOCATION Riverside Township SEC. 1, TWP. 39 N, RNG. 12 E, 3rd P.M.  
 COUNTY Cook CORING METHOD Rotary Wash

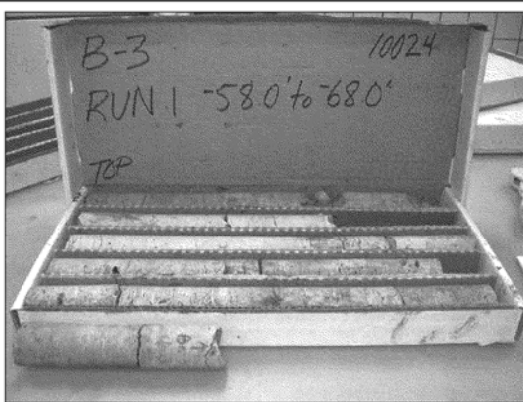
STRUCT. NO. 016-0501 CORING BARREL TYPE & SIZE NX Double Swivel-5 ft  
 Station 120+43.0 Core Diameter 2.0 in  
 BORING NO. B-03 Top of Rock Elev. 567.3  
 Station: 98+42 Begin Core Elev. 566.8  
 Offset: 43.2' Left  
 Ground Surface Elev. 624.8

DEPTH (ft)	RECOVERY (%)	R.Q.D. (%)	CORRECTION (min)	STRENGTH (tsf)
566.8	1	99.0	80.0	n/a
58.4				7990
63				
68				

Silurian System, Niagaran Series Dolomite RUN 1 (-58.0' to -68.0')

Light gray to gray with horizontal to wavy bedding. Porous & weathered with numerous horizontal fractures throughout & some thin clay partings.

100.0% water loss @ -61.0'



Color pictures of the cores XX Cores will be stored for examination for XX  
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

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**SOIL BORING LOG**

DATE 5/19/2010  
 LOGGED BY DR  
 GSI JOB No. 10024

ROUTE FAP 0307 DESCRIPTION Il. 64 Bridge Over Des Plaines River, IDOT Job No. D-91-183-10IL-64  
 SECTION 541-Y-3 LOCATION Riverside Township SEC. 1, TWP. 39 N, RNG. 12 E, 3rd P.M.  
 COUNTY Cook DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 016-0501 SURFACE WATER Elev. 614.3  
 Station 120+43.0 Stream Bed Elev. 606.8  
 BORING NO. B-04 Groundwater Elevation:  
 Station: 98+60 First Encounter n/a  
 Offset: 42.7' Right Upon Completion n/a  
 Ground Surface Elev. 624.8 After \_\_\_\_\_ Hrs. \_\_\_\_\_

DEPTH (ft)	UCS (tsf)	MOIST (%)	DEPT (ft)	UCS (tsf)	MOIST (%)
8					
1					
1					
6					
3					
601.3					
3					
50/1"	NP	29			
25					
599.3					
5					
6					
11	2.5P	22			
4					
108					
5					
30	9	3.75P	21		
614.3					
6					
110					
10					
35	17	4.5+P	20		
606.8					
11					
18					
4					
24					
20	2	NP	18		
40	29	NP	15		

Drillers Observation: Concrete Obstruction

Sand, Stone & Clay-very loose to loose (A-2)

CLAY-gray-very stiff (A-6)

SILTY CLAY LOAM to SILTY LOAM-gray-medium dense to dense (A-4)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Perimeter) 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

FILE NAME = W:\191-130-1001-IL64\CADD\_Sheets\Structure\11660J11-11-47\_SoilBoringLog\_III.dgn



USER NAME =	DESIGNED - JMT	REVISED
PLOT SCALE =	CHECKED - JJI	REVISED
PLOT DATE = 8/15/2013	DRAWN - GM	REVISED
	CHECKED - JJI	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS III  
STRUCTURE NO. 016-3035**

SHEET NO. 58 OF 62 SHEETS

F.A.P. RTE. 307	SECTION 541Y-3-B	COUNTY COOK	TOTAL SHEETS 143	SHEET NO. 119
CONTRACT NO. 60J11				
ILLINOIS FED. AID PROJECT				