

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

ROUTE FAP 575 DESCRIPTION US 30 Over Lily Cache Creek, D-91-002-01
SECT. 14-B-R-1 STRUCT. NO. 099-0237 (existing) DRILLED BY TSC/A-53,455
COUNTY WILL LOCATION Retaining Wall S. 23, TWP. 36N, RNC. SE

Boring No. 103 Core Type NX Core Barrel
Station 30+39 Core Diameter 2.0 in
Offset 39.00ft LT Core Length 25.0 ft
Surface Elev. 590.60 ft

DEPTH (ft)	DESCRIPTION	QUANTITY	TESTS	REMARKS
0.0	FILL - Dark brown and black CLAY, little organic, moist	1.5	100%	22.8
1.5	Firm gray clayey SAND and GRAVEL, moist	2.0	152	34.6
3.5	Very tough brown and gray CLAY, trace gravel, moist	1.5	152	17.6
5.0	Firm gray SILTY LOAM, some gravel, moist	2.0	100%	11.0
7.0	Loose gray SILTY LOAM, some gravel, moist	1.0		8.7
8.0	Cobbles and Boulders (See Page 2 for Coring)	0.075'		10.1

SPT, N1 = Sum of last two blow values in sample. (QU) B-Bulge S-Shear P-Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation
STRUCTURE ROCK CORING LOG

ROUTE FAP 575 DESCRIPTION US 30 Over Lily Cache Creek, D-91-002-01
SECT. 14-B-R-1 STRUCT. NO. 099-0237 (existing) DRILLED BY TSC/A-53,455
COUNTY WILL

Boring No. 103 Core Type NX Core Barrel
Station 30+39 Core Diameter 2.0 in
Offset 39.00ft LT Core Length 25.0 ft
Surface Elev. 590.60 ft

Top Elev.	Coring Notes and Rock Description	Core Run (#)	Core Run (ft)	Core Run (min/ft)	Core Run (psi)
576.60	Dolomite, light gray, silty to slightly pure, massive bedded, 5-10% point vugs. Trace pyrite, occasional fossils, white chert nodules (0.0-2.0 in.) from 17 to 26.5 feet. Few fractures from 14 to 15.5, 17 to 18.2 and 31 to 35 feet.	RN-1	100	76	
-20.0		RN-2	100	93	
-25.0					
-30.0		RN-3	100	78	
-35.0		RN-4	100	86	

Color pictures of the cores With Geotechnical Report

Cores will be stored for examination until Nov. 30, 2002

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SECT. 14-B-R-1 STRUCT. NO. 099-0237 (existing) DRILLED BY TSC/A-53,455
COUNTY WILL

Boring No. 103 Core Type NX Core Barrel
Station 30+39 Core Diameter 2.0 in
Offset 39.00ft LT Core Length 25.0 ft
Surface Elev. 590.60 ft

Top Elev.	Coring Notes and Rock Description	Core Run (#)	Core Run (ft)	Core Run (min/ft)	Core Run (psi)
591.60	Dolomite, light gray, silty to slightly pure, massive bedded, 5-10% point vugs. Trace pyrite, occasional fossils, white chert nodules (0.0-2.0 in.) from 17 to 26.5 feet. Few fractures from 14 to 15.5, 17 to 18.2 and 31 to 35 feet.				
591.60	End of Boring at 39.0 feet				
	CME 850 Track ATV Drill Rig (#127) CME Automatic Hammer 3.25" (83 mm) ID HSA to 14 feet Rock Core with NX Core Barrel below 14 feet				
-40.0					
-45.0					
-50.0					

Color pictures of the cores With Geotechnical Report

Cores will be stored for examination until Nov. 30, 2002

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COUNTY WILL LOCATION Retaining Wall S. 23, TWP. 36N, RNC. SE

Boring No. 104 Core Type NX Core Barrel
Station 29+70 Core Diameter 2.0 in
Offset 39.00ft LT Core Length 25.0 ft
Surface Elev. 590.40 ft

DEPTH (ft)	DESCRIPTION	QUANTITY	TESTS	REMARKS
0.0	FILL - Black and brown CLAY LOAM, trace organic, moist	1.5	152	23.6
1.5	Dark brown and black CLAY LOAM (trap soil), very moist	1.5	152	35.6
3.0	Firm brown SAND and GRAVEL, saturated	1.5	152	12.7
4.5	Firm gray SILTY LOAM, little gravel, moist	2.0	152	8.0
6.5	Firm gray GRAVEL and COBBLES, saturated	1.0		12.0
7.5	(See Page 2 for Coring)	0.075'		11.1

SPT, N1 = Sum of last two blow values in sample. (QU) B-Bulge S-Shear P-Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

DESIGNED	MJM
CHECKED	WHE
DRAWN	EAB
CHECKED	WHE

LOWCO, INC.
CONSULTING ENGINEERS 700 EAST DIEHL ROAD., SUITE 180
NAPERVILLE, ILLINOIS 60563 (630) 577-9100

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS (2 OF 3)
DRILLED SOLDIER PILE WALL
US ROUTE 30 (LINCOLN HIGHWAY)
OVER LILY CACHE CREEK
WILL COUNTY
F.A.P. ROUTE 0575 SEC. 14BR
STATION 31+00.61 NEW STRUCTURE NO. 099-W012
DATE 03/24/05