

Contract No. 62098

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

ROUTE FAP 575 DESCRIPTION US 30 Over Lily Cache Creek, D-9-002-01
SECT. H-B-R-1 STRUCT. NO. 099-0237 (existing) DRILLED BY TSC/L-53,455
COUNTY WILL LOCATION Bridge Piers S. 23, TWP. 36N, R1G. 9E

Boring No. 106 Core Type NX Core Barrel
Station 28+52 Core Diameter 2.0 in
Offset 3.00 ft LT Core Length 0.0 ft
Surface Elev. 585.30 ft
Surface Water Elev. 2.5
Groundwater Elev. _____
when drilling _____
at Completion _____
after _____ Hrs. _____

DEPTH	DESCRIPTION	DU	W	X
2	Firm dark gray and black clayey SAND and GRAVEL, trace organic, saturated A-2-4			19.2
5	Firm brown clayey GRAVEL, saturated A-1			12.0
1007/4	Cobbles and Boulders, trace clay (See Page 2 for Coring)			10.1

SPT, (N) = Sum of last two blow values in sample. (Du) B=Blow S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

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Station 28+52 Core Diameter 2.0 in
Offset 3.00 ft LT Core Length 0.0 ft
Surface Elev. 585.30 ft

Top Elev.	Coring Notes and Rock Description	Core Run (ft)	R	R	CORE	COMP.
		(ft)	(ft)	(ft)	(ft)	(ft)
578.30	Dolomite, light gray, silty to slightly pure, thick bedded, 5-10X pin point vugs. Trace pyrite. Heavily fractured from 7 to 8.5 feet and thin fractured from 12 to 17 feet, occasionally filled with bluish-gray clay.	RN-1	100	52		10190
568.30	End of Boring at 17.0 feet CME 55 Ardeo ATY Rig (#20) CME Automatic Hammer 4.5" (84 mm) SFA Rock Core with NX Core Barrel below 7.0 feet	RN-2	100	38		
		RN-3	100	29		
		RN-4	100	50		

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 Bridge Piers S. 23, TWP. 36N, R1G. 9E

Boring No. 107 Core Type NX Core Barrel
Station 28+39 Core Diameter 2.0 in
Offset 37.00 ft RT Core Length _____
Surface Elev. 586.00 ft
Surface Water Elev. 1.5
Groundwater Elev. _____
when drilling _____
at Completion _____
after _____ Hrs. _____

DEPTH	DESCRIPTION	DU	W	X
0	Loose gray SAND and GRAVEL			3.4
0.3	Dark gray CLAY LOAM, very moist A-6			10.3
0.3	Firm gray silty SAND and GRAVEL, saturated A-1			0.0
0.3	Firm brown SAND and GRAVEL, saturated A-1-a			8.2
1007/4	Tough gray SILTY LOAM, little gravel, moist A-4/A-6			
1007/4	Probable Dolomite Rock Surface (hard drilling) (See Page 2 for Coring)			

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Boring No. 107 Core Type NX Core Barrel
Station 28+39 Core Diameter 2.0 in
Offset 37.00 ft RT Core Length _____
Surface Elev. 586.00 ft

Top Elev.	Coring Notes and Rock Description	Core Run (ft)	R	R	CORE	COMP.
		(ft)	(ft)	(ft)	(ft)	(ft)
579.50	Dolomite, light gray, weathered tan/buff at fractures and joints. Silty to slightly pure, massive bedded, trace pyrite, occasional fossil, 5-10X pin point vugs. Vertical fractures from 6.5 to 12 and 13 to 13.5.	RN-1	100	84		
565.50	Dolomite, light gray, weathered tan/buff at fractures, silty, less pure, massive bedded, white chert nodules and layers 6.0-2.0 in. from 20.5 to 26.5 feet, occasional fossil, 5-10X pin point vugs. Fractured from 25.5 to 27 and 30 to 31.5 feet.	RN-2	100	98		8440

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DESIGNED	MJM
CHECKED	WHE
DRAWN	EAB
CHECKED	WHE

LONGO, INC.
CONSULTING ENGINEERS 630 NORTH WASHINGTON ST., SUITE 205
NAPERVILLE, ILLINOIS 60563 (630) 577-9100

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS
(3 OF 5)
US ROUTE 30 (LINCOLN HIGHWAY)
OVER LILY CACHE CREEK
WILL COUNTY
F.A.P. ROUTE 0575 SEC. 14BR
STATION 28+22.14 NEW STRUCTURE NO. 099-4648
DATE 03/24/05