ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 0575	14BR	WILL	143	94
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. S-30

S-30 SHEETS

Contract No. 62098

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 2
Date 11/15/01

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/L-53,455
COUNTY WILL LOCATION Bridge Piers S. 23, TWP. 36N, RNG. 9E

Boring No. 109
Station 27+96
Offset 32.00ft RT
Surface Elev. 585.90 ft

Surface Water Elev. 2.5
Groundwater Elev.:
when drilling
at Completion
after ___ Hrs.

Description	Elev.	Depth	Blows	Qu tsf	W %
Soft dark gray and black clayey SAND, trace gravel, trace organic, saturated A-2-4	583.90		4 3 2	P 1.0	22.5 12.7
Stiff gray sandy CLAY, trace gravel, very moist A-4	582.90				
Firm brown SAND and GRAVEL, saturated A-1-a	580.90		7 11 12	P 4.5	8.9 10.6
Very tough brown and gray SILTY LOAM, little gravel, moist A-4/A-6	579.90	-5			
Fractured Rock (See Page 2 for Coring)	579.40		100/1"		1.8
		-10			
		-15			
		-20			
		-25			

SPT. (N) = 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

Page 2 of 2
Date 11/15/01

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/L-53,455
COUNTY WILL

Boring No. 109 Core Type NX Core Barrel
Station 27+96 Core Diameter 2.0 in
Offset 32.00ft RT Core Length 10.0 ft
Surface Elev. 585.90 ft

Top Elev.	Coring Notes and Rock Description	Core Run (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (Min/ft)	COMP. STRENGTH (psi)
579.40	Dolomite, light gray weathered brown at fractures and joints, silty, thick bedded, 5-10% pin point vugs, vuggy in thin layers.	RN-1	100	45		
	Heavily fractured with occasional bluish-gray clay filling.					7960
	-10.0					
		RN-2	100	66		
		RN-3	100	78		
	-15.0					
569.40	End of Boring at 16.5 feet					
	CME 55 Ardco ATV Rig (#201) CME Automatic Hammer					
	3.25' (83 mm) ID HSA					
	Rock Core with NX Core Barrel below 6.5 feet					
	-20.0					
	-25.0					

Color pictures of the cores With Geotechnical Report
Cores will be stored for examination until Nov. 30, 2002

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date 11/16/01

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/L-53,455
COUNTY WILL LOCATION West Abutment S. 23, TWP. 36N, RNG. 9E

Boring No. 110
Station 27+70
Offset 34.00ft LT
Surface Elev. 583.80 ft

Surface Water Elev.
Groundwater Elev.:
when drilling 581.8
at Completion 583.8
after ___ Hrs.

Description	Elev.	Depth	Blows	Qu tsf	W %
FILL - CLAY LOAM (topsoil), little gravel	583.80				
FILL - Concrete Rubble, trace topsoil, moist A-1-a	586.80		2 50/2"		14.4
FILL - Black and dark brown CLAY LOAM, little organic, occasional Cobbles, moist to very moist A-6/A-1		-5	5 3 2	P 1.25	16.8
			100/0"		
No Recovery	580.30				
Firm brown silty SAND and GRAVEL, saturated A-1-a	579.30	-10	5 6 6		14.5
Firm gray SILTY LOAM, trace gravel, moist A-4	577.30		4 6 8	B 1.1	10.8
Probable Dolomite Rock Surface (hard drilling)	576.80				
End of Boring at 13.0 feet					
CME 55 Ardco ATV Rig (#201) CME Automatic Hammer		-15			
4.5" (114 mm) SFA					
		-20			
		-25			

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
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ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date 11/16/01

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/L-53,455
COUNTY WILL LOCATION West Abutment S. 23, TWP. 36N, RNG. 9E

Boring No. 111
Station 27+47
Offset 32.00ft RT
Surface Elev. 583.80 ft

Surface Water Elev.
Groundwater Elev.:
when drilling 585.3
at Completion 585.8
after ___ Hrs.

Description	Elev.	Depth	Blows	Qu tsf	W %
FILL - Dark brown and black CLAY LOAM, little organic, moist A-6	580.80		4 1 1	P 1.25	25.6
FILL - Black CLAY LOAM and WOOD pieces, moist A-6	588.30	-5	4 3 1		32.6
Black ORGANIC CLAY, very moist A-7-6	587.30		4 7 10	P 1.25	57.3 12.1
Firm brown and gray SAND and GRAVEL, wet A-1-a	585.80				
Firm gray SAND and GRAVEL, saturated A-1-a	583.30	-10	5 7 7		8.9
Soft to stiff gray CLAY, trace gravel, very moist A-6	580.50		4 5 5	B 0.6 ISZ	31.6
Very dense Gravel, Cobbles and Boulders.	579.80		100/5"		14.4
Auger refusal at 14.0 feet		-15			
CME 55 Ardco ATV Rig (#201) CME Automatic Hammer					
4.5" (114 mm) SFA					
		-20			
		-25			

SPT. (N) = 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

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS
(5 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