STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 17	101BR-4	OGLE	60	36
FED. ROAD DIST. NO. 2		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 19
SHEETS 19

Contract # 64D11

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

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Date 2/28/07

ROUTE FAP 17 DESCRIPTION P92-051-07 IL 64 Bridge over Elkhorn Creek, 2.7 m. W. of IL 26 LOGGED BY W. Garza

SECTION 101 BR-4 LOCATION Brookville Twp. - 24 SW, SEC. , TWP. 24N, RNG. 7E

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

STRUCT. NO. 071-0013
Station 131+39 = 124+60

BORING NO. B-2
Station 132+03 = 125+24
Offset 10.00ft Rt CL
Ground Surface Elev. 101.00 ft

Surface Water Elev. 84.00 ft
Stream Bed Elev. 83.00 ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
12" Asphalt				0.5 P	20.0
MEDIUM brown SILTY CLAY LOAM	98.50		7		
STIFF brown SANDY LOAM	97.00		3 3	1.1 P	21.0
MEDIUM/STIFF brown SANDY LOAM	94.50	-5	2 3 5	1.0 P	19.0
SOFT tan/brown SILTY LOAM	92.00	-10	0 1 1	0.3 P	24.0
SOFT tan SILT	89.50		2 3 4	1.2 S	25.0
STIFF tan SILTY LOAM	87.00	-15	2 4 5	1.0 S	28.0
STIFF dark gray SILTY LOAM with fine SAND lens	84.00		1 2 4	1.0 B	28.0
Borehole continued with rock coring.		-20	100/2"		

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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

ROCK CORE LOG

Page 1 of 1

Date 2/28/07

ROUTE FAP 17 DESCRIPTION P92-051-07 IL 64 Bridge over Elkhorn Creek, 2.7 m. W. of IL 26 LOGGED BY W. Garza

SECTION 101 BR-4 LOCATION Brookville Twp. - 24 SW, SEC. , TWP. 24N, RNG. 7E

COUNTY Ogle CORING METHOD

STRUCT. NO. 071-0013
Station 131+39 = 124+60

BORING NO. B-2
Station 132+03 = 125+24
Offset 10.00ft Rt CL
Ground Surface Elev. 101.00 ft

CORING BARREL TYPE & SIZE
Core Diameter 1.5 in
Top of Rock Elev. 84.00 ft
Begin Core Elev. 83.00 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Dolomite: yellow-tan, top one foot fractured, with some oxidation visible; fractured in 1" to 5" segments with pitting visible. T.S.F. from 80.0 to 79.6.	78.00	-20	1	100	28	1.6	948.0
Dolomite: as above, with some crystalline faces visible. T.S.F. from 74.2 to 73.0.	73.00	-25	2	100	40	2.4	905.0
Dolomite: as above though dense; at 70.6, changes to light and dark gray marbling, dense and massively bedded - apparent inclusions are well cemented. T.S.F. from 70.0 to 69.5	68.00	-30	3	95	52	2.4	903.0
End of Boring		-35					

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)

DESIGNED	ASP
CHECKED	WSP
DRAWN	BEM
CHECKED	ASP

BORING LOG
IL 64 OVER FIVE MILE CREEK
F.A.P. RT. 17 SECTION 101BR-4
OGLE COUNTY
STATION 124+91.00
STRUCTURE NO. 071-0095

DLZ Illinois, Inc.
85 W. Algonquin Rd. Ste. 220
Arlington Heights Il 60005