Boring Elevation 100.00 corresponds to USGS Elevation 630.20

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

SOIL BORING LOG

Page 1 of 1

Date 3/22/10

ROUTE FA 308 DESCRIPTION P92-057-08 Bridge over Apple River, IL 84, 100' S. of S. Hanover Hill Road LOGGED BY W. Garza

SECTION 103 BR-4 LOCATION Hanover Twp. - 9SW, SEC. , TWP. 26N, RNG. 1W

COUNTY JoDaviess DRILLING METHOD _____ HAMMER TYPE CME-45 Automatic

STRUCT. NO. _____
Station _____

BORING NO. B-2
Station 318+30
Offset 9.00ft Lt CL
Ground Surface Elev. 99.00 ft

Surface Water Elev. _____ ft
Stream Bed Elev. 76.50 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
8.5" Asphalt, 9" Concrete	97.00				
VERY STIFF dark brown LOAM	95.50		1 7 8	2.5 P	16.0
STIFF gray SILTY CLAY LOAM	93.00	-5	3 2 4	1.9 B	32.0
MEDIUM tan SILTY LOAM	90.50		1 3 3	0.7 B	27.0
STIFF tan SILTY CLAY LOAM with LIMESTONE fragments	88.00	-10	3 5 6	1.0 P	28.0
HARD tan CLAY	85.00		3 5 8	5.6 B	18.0
VERY DENSE tan weathered LIMESTONE	83.00	-15	7 100/5"		
Auger Refusal at 16'					
Borehole continued with rock coring.		-20			

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 3/22/10

ROUTE FA 308 DESCRIPTION P92-057-08 Bridge over Apple River, IL 84, 100' S. of S. Hanover Hill Road LOGGED BY W. Garza

SECTION 103 BR-4 LOCATION Hanover Twp. - 9SW, SEC. , TWP. 26N, RNG. 1W

COUNTY JoDaviess CORING METHOD _____

STRUCT. NO. _____
Station _____

BORING NO. B-2
Station 318+30
Offset 9.00ft Lt CL
Ground Surface Elev. 99.00 ft

CORING BARREL TYPE & SIZE _____
Core Diameter 2 in
Top of Rock Elev. 85.00 ft
Begin Core Elev. 83.00 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Dolomite: light tan to gray, dense & mostly aphanitic. t.s.f.: 80.8 to 80.3	83.00	-20	1	90	33	2.2	886.0
Dolomite: gray, as above, massively bedded, some pitting is apparent. t.s.f.: 75.5 to 75.1	78.00	-25	2	100	72	2.2	663.0
Dolomite: as above t.s.f.: 70.1 to 69.6	73.00	-30	3	100	52	1.2	1003.0
End of Boring	68.00	-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)

FILE NAME = 64E08-007-Borings.dgn
MODEL = Default
PLOT DRIVER = V8.IDOT.PDF.11x17.pltcfg

QUIGG ENGINEERING INC

USER NAME =	DESIGNED -	REVISED
	CHECKED -	REVISED
PLOT SCALE =	DRAWN -	REVISED
PLOT DATE =	CHECKED -	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS
RETAINING WALL #1

SHEET NO. 7 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	103BR-4	JO DAVIESS	159	117

CONTRACT NO. 64E08

ILLINOIS FED. AID PROJECT