



SOIL BORING LOG

Date 3/16/10

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-1
 Station 321+39
 Offset 55.00ft Rt CL
 Ground Surface Elev. 96.30 ft

Surface Water Elev. 80.00 ft
 Stream Bed Elev. 76.50 ft

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

DEPTH (ft)	BLOWS (blows/ft)	UCS (tsf)	MOIST (%)	DESCRIPTION
			18.0	brown SANDY LOAM
94.30	2			STIFF brown SANDY LOAM
92.80	3	2.0	16.0	
	3	P		
	2			STIFF brown SANDY CLAY LOAM
	4	1.8	24.0	
	4	P		
89.30	0			
	2	0.6	27.0	MEDIUM brown SILTY CLAY LOAM
	4	B		
86.80	2			
	3	1.6	23.0	STIFF brown SILTY CLAY LOAM
	6	B		
83.80	100/4*			
				Borehole continued with rock coring.

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)



ROCK CORE LOG

Date 3/16/10

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

COUNTY JoDaviess CORING METHOD _____

STRUCT. NO. _____
 Station _____
 BORING NO. B-1
 Station 321+39
 Offset 55.00ft Rt CL
 Ground Surface Elev. 96.30 ft

CORING BARREL TYPE & SIZE
 Core Diameter 2 in
 Top of Rock Elev. 83.80 ft
 Begin Core Elev. 83.30 ft

DEPTH (ft)	CORING BARREL TYPE & SIZE	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)	DESCRIPTION	
		1	100	28	2	666.0	Dolomite: tan-gray, dense & occasionally pitted, top half is laminated and fissile. t.s.f.: 80.9 to 80.4
78.30		2	100	30		451.0	Dolomite: as above t.s.f.: 74.6 to 74.1
73.30		3	100	82	1.8	932.0	Dolomite: as above, though slightly more pitted & medium to thick bedded. t.s.f.: 71.7 to 71.2
68.30							End of Boring

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 = Z64E08-005-Boring-Log.dgn
 MODEL = Default
 PLOT DRIVER = V8...IDOT...PDF...1x17...e1e1g



USER NAME = S.Dulekis	DESIGNED -	REVISED
	CHECKED -	REVISED
PLOT SCALE = 1/8" = 1' / in.	DRAWN -	REVISED
PLOT DATE = 7/25/2013	CHECKED -	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORINGS
 RETAINING WALLS #2 & #3
 SHEET NO. 5 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	103BR-4	JO DAVIESS	159	122
CONTRACT NO. 64E08				
ILLINOIS FED. AID PROJECT				