

Boring Sta. 1432+33 corresponds to Sta. 318+48.31.



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

SOIL BORING LOG

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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 JoDaviss DRILLING METHOD _____ HAMMER TYPE CME-45 Automatic

STRUCT. NO.	STATION	DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
043-0028						brown SANDY LOAM	609.60	606.10				
		623.90	2		18.0							
		622.40	3	2.0	16.0	STIFF brown SANDY LOAM						
			3	P								
			2			STIFF brown SANDY CLAY LOAM						
		618.90	4	1.8	24.0							
			4	P								
		616.40	0			MEDIUM brown SILTY CLAY LOAM						
			2	0.6	27.0							
			4	B								
		613.40	3	1.6	23.0	STIFF brown SILTY CLAY LOAM						
			6	B								
			100/4"			Borehole continued with rock coring.						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
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)



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ROCK CORE LOG

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

COUNTY JoDaviss CORING METHOD _____

STRUCT. NO.	STATION	DEPTH (ft)	CORING BARREL TYPE & SIZE	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
043-0028			Core Diameter <u>2</u> in				
			Top of Rock Elev. <u>613.40</u> ft				
			Begin Core Elev. <u>612.90</u> ft				
			Ground Surface Elev. <u>625.90</u> ft				
			Dolomite: tan-gray, dense & occasionally pitted, top half is laminated and fissile.	100	28	2	666.0
		610.5 to 610.0					
		607.90	Dolomite: as above	100	30		451.0
		604.2 to 603.7					
		602.90	Dolomite: as above, though slightly more pitted & medium to thick bedded.	100	82	1.8	932.0
		601.3 to 600.8					
		597.90	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)



USER NAME = *OPERATOR*	DESIGNED -	REVISED
FILE NAME = 0430028-64E08.dgn	CHECKED -	REVISED
PLOT SCALE = 0:2.00000 '1' / in.	DRAWN -	REVISED
PLOT DATE = 9/26/2013	CHECKED -	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 043-0080

SHEET NO. 40 OF 60 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	103BR-4	JoDAVISS	137	90
			CONTRACT NO. 64E08	

ILLINOIS FED. AID PROJECT