



Illinois Department
of Transportation
Division of Highways
DOT

ROCK CORE LOG

Page 1 of 1

Date 6/22/05

ROUTE FAI 280 DESCRIPTION P92-045-02 Bridge on I-280, I-280 over 4th Street in Milan LOGGED BY W. Garza

SECTION 81-1-HB1 LOCATION Blackhawk Twp. - 23SE, SEC. , TWP. 17N, RNG. 2W

COUNTY Rock Island CORING METHOD

STRUCT. NO. CORING BARREL TYPE & SIZE
Station
BORING NO. B-2b Core Diameter 1.5 in
Station 241+48 Top of Rock Elev. 554.80 ft
Offset 97.00 ft Lt CL Begin Core Elev. 554.80 ft
Ground Surface Elev. 559.8 ft

DEPTH (ft)	COVER (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
1	70	12	7	
Dolomite: gray-brown, fractured & dense No testable segments available due to edge deterioration of samples.				
549.80	-10			
2	100	20	5.4	
Dolomite: as above No testable segments available due to edge deterioration of samples.				
544.80	-15			
3	100	10	6	
Dolomite: as above, with replacement mineralized woody stem fossil visible in lower half. No testable segments available due to edge deterioration of samples.				
539.80	-20			
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)



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SOIL BORING LOG

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SECTION 81-1-HB1 LOCATION Blackhawk Twp. - 23SE, SEC. , TWP. 17N, RNG. 2W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Dledrich Automatic

DEPTH (ft)	BLOWS	UCS (tsf)	MOISTURE (%)	Surface Water Elev. ft	Stream Bed Elev. ft	DEPTH (ft)	BLOWS	UCS (tsf)	MOISTURE (%)
1	0.1	12				4	4	2.0	9
VERY SOFT brown SANDY LOAM					560.30	7			
579.30	10	1.5	13			4			
STIFF brown SANDY LOAM						3	1.4	21	
577.80	9				557.80	2			
5	9	2.8	24			3			
VERY STIFF brown SANDY LOAM with GRAVEL					555.30	4	0.3	19	
575.30	10					5			
3	7	2.0	22						
STIFF dark brown SILTY CLAY LOAM with GRAVEL									
572.80	10								
5	5	1.1	14						
STIFF brown SILTY CLAY LOAM					570.30	7			
3	7	2.0	35						
STIFF gray/black CLAY LOAM					567.80	17			
4	8	1.5	19						
STIFF black SANDY LOAM					565.30	6			
4	7	1.0	18						
STIFF dark gray SANDY LOAM					562.80	7			
562.80	7								

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 T208)
BBS, from 137 (Rev. 8-99)



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COUNTY Rock Island CORING METHOD

STRUCT. NO. CORING BARREL TYPE & SIZE
Station
BORING NO. B-3b Core Diameter 1.5 in
Station 240+72 Top of Rock Elev. 554.30 ft
Offset 2.00 ft Rt CL Begin Core Elev. 554.30 ft
Ground Surface Elev. 581.8 ft

DEPTH (ft)	COVER (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
1	90	0	8.6	
Dolomite: gray brown, dense and fractured throughout.				
549.30				
2	100	13	8	
Dolomite, as above, though not as fractured.				
544.30				
3	100	40	4	645
Dolomite: as above, though appreciably more solid. T.S.F. 543.6 to 542.9				
539.30				
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)

BORING LOGS
STRUCTURE NO. 081-0190 (WB)
STRUCTURE NO. 081-0191 (EB)

CB Coombe-Bloxdorf P.C.
-CIVIL ENGINEERS-
-STRUCTURAL ENGINEERS-
-LAND SURVEYORS-
Design Firm License No. 184-002703

PROJECT NO. 09033	SHEET NO. 40	F.A.I. RTE. 280	SECTION 81-1 (HB-1)	COUNTY ROCK ISLAND	TOTAL SHEETS 503	SHEET NO. 281
DATE 5/18/10	DESIGN BY GB/MCB	CHECKED BY MVL	CONTRACT NO. 64815	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		