

Illinois Department
of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 6/27/05

ROUTE FAI 280 DESCRIPTION P92-045-02 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 DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. _____
Station _____
BORING NO. B-4b
Station 242+65
Offset 6.00 ft. L CL
Ground Surface Elev. 575.2 ft

DEPTH T H S	BLOW W S	UCS Qu	MOIST S Y	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	DEPTH T H S	BLOW W S	UCS Qu	MOIST S Y
(ft)	(/6")	(tsf)	(%)	Groundwater Elev.: _____ ft	First Encounter _____ ft	(ft)	(/6")	(tsf)	(%)
				Upon Completion _____ ft	After _____ Hrs. _____ ft				
MEDIUM brown SILTY CLAY LOAM		0.8 P	20	VERY STIFF black CLAY LOAM		3			
				Auger Refusal at 22'	553.70	4	2.1	32	
				Borehole continued with rock coring.		7	B		
VERY STIFF redish brown SANDY LOAM with LOAM	572.70	5 7	2.7 B	15					
	571.20	10							
STIFF dark gray SANDY LOAM	-5	4 4 5	1.0 P	11		-25			
	568.70								
VERY STIFF brown/gray LOAM		3 4 5	2.1 B	16					
	566.20								
STIFF gray SANDY LOAM with LIMESTONE fragments	-10	4 6 8	1.1 P	17		-30			
	563.70								
VERY STIFF dark gray SILTY CLAY LOAM with ORGANICS		4 5 7	2.1 B	22					
	561.20								
VERY STIFF dark gray SILTY CLAY LOAM	-15	4 5 8	2.4 B	19		-35			
	558.70								
MEDIUM dark brown LOAM		6 7 7	0.9 P	22					
	556.20								
	-20					-40			

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)

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ROCK CORE LOG

Page 1 of 1

Date 6/27/05

ROUTE FAI 280 DESCRIPTION P62-045-02 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 _____ Core Diameter 1.5 in

BORING NO. B-4b Top of Rock Elev. 553.20 ft

Station 242+65 Begin Core Elev. 553.20 ft

Offset 6.00R Lt CL

Ground Surface Elev. 575.2 ft

Dolomite: buff to brown, fractured & segmented, dense with a chalky appearance.

548.20

Dolomite: as above

543.20

Dolomite: as above

T.S.F.: 539.9 to 539.4

538.20

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)

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

 Coombe-Bloxdorf P.C. -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Design Firm License No.184-002703	PROJECT NO. 09033	SHEET NO. 41	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DATE 5/18/10		280	81-1 (HB-1)	ROCK ISLAND	503	282
	DESIGN BY GB/MCB	41 SHEETS	CONTRACT NO. 64815				
	CHECKED BY MML MCR		FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		