STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 2/15/06

ROUTE FAI 280 DESCRIPTION P92-045-02 I-280, bridge over Mill Creek, 0.6 m. E. of US 67 LOGGED BY W. Garza

SECTION 81-1VB & 81-1-HB-1 & 2 LOCATION Blackhawk Twp, - 24SE, 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-1d
Station 286+64
Offset 71.00ft Lt CL
Ground Surface Elev. 567.6 ft

Surface Water Elev. ft
Stream Bed Elev. 551.6 ft

Groundwater Elev.:
First Encounter 557.6 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
DRY brown fine SAND	565.10				
VERY LOOSE/LOOSE brown fine SAND	563.10	-5	1 2 2		
MEDIUM brown SILTY LOAM	560.60		1 1 2	0.6 B	
VERY LOOSE gray very moist fine SAND	558.60		1 1 2		
LOOSE gray fine SAND	556.10	▼-10	2 2 4		
MEDIUM gray weathered LIMESTONE	553.60		12 8 10		
VERY DENSE gray SHALE	551.60	-15	100/6"		
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
IDOT

ROCK CORE LOG

Page 1 of 1

Date 2/15/06

ROUTE FAI 280 DESCRIPTION P92-045-02 I-280, bridge over Mill Creek, 0.6 m. E. of US 67 LOGGED BY W. Garza

SECTION 81-1VB & 81-1-HB-1 & 2 LOCATION Blackhawk Twp, - 24SE, SEC., TWP. 17N, RNG. 2W

COUNTY Rock Island CORING METHOD

STRUCT. NO.
Station

CORING BARREL TYPE & SIZE
Core Diameter 1.5 in
Top of Rock Elev. 555.60 ft
Begin Core Elev. 551.60 ft

BORING NO. B-1d
Station 286+64
Offset 71.00ft Lt CL
Ground Surface Elev. 567.6 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Dolomite: buff-gray, dense, with no testable segments	546.60	-20	1	90	13	3.8	
Dolomite: As above, with minor laminations. T.S.F.: 545.3 to 544.8	541.60	-25	2	100	25	4	824.5
Dolomite: As above T.S.F.: 540.2 to 539.7	536.60	-30	3	100	27	4	495.7
End of Boring		-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)

BORINGS (Sheet 1 of 4)
STRUCTURE NUMBERS 081-0026 (E.B.) & 081-0027 (W.B.)

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

© Copyright Hanson Professional Services Inc. 2010

HANSON
Hanson Professional Services Inc.

JOB NO. 05R1532A
DATE 05/21/10
SHEET NO. 37
40 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1(B-1)R	Rock Island	503	450

CONTRACT NO. 64815
ILLINOIS FED. AID PROJECT

LAYOUT	Rcd	5/21/10
DRAWN	Rcd	5/21/10
REVIEWED	JRM/JEH	5/21/10

07/20/2010
c:\workingdoms\D0820\D0820326\D0820327 64815.dgn