STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 2/28/06

ROUTE FAI 280 DESCRIPTION P92-045-02 I-280 over Mill Creek, .6 m. E. of US 67 LOGGED BY M. Vock

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

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station

BORING NO. B-3d
Station 288+05
Offset ft Cl.
Ground Surface Elev. 573.6 ft

Surface Water Elev. ft
Stream Bed Elev. 551.6 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MOIST brown SANDY LOAM					11
	571.60				
LOOSE brown SANDY LOAM			6 3 7		13
	570.10				
MEDIUM dark gray SANDY CLAY LOAM		-5	5 7 10	1.7 S	15
	567.60				
STIFF dark gray SILTY CLAY LOAM			3 3 6	1.2 E	21
	565.10				
VERY LOOSE gray SILTY CLAY LOAM		-10	1 1 2	1.2 B	21
	562.60				
VERY LOOSE gray sandy SILTY CLAY LOAM			1 1 1	0.8 B	25
	559.60				
VERY LOOSE gray fine SAND		-15	1 2 2		
	557.60				
VERY DENSE gray weathered LIMESTONE			16 100/5"		
	555.10				
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 2/28/06

ROUTE FAI 280 DESCRIPTION P92-045-02 I-280 over Mill Creek, .6 m. E. of US 67 LOGGED BY M. Vock

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

COUNTY Rock Island CORING METHOD

STRUCT. NO.
Station

CORING BARREL TYPE & SIZE

BORING NO. B-3d
Station 288+05
Offset ft Cl.
Ground Surface Elev. 573.6 ft

Core Diameter 1.5 in
Top of Rock Elev. 557.10 ft
Begin Core Elev. 555.10 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Dolomite: buff white, dense, chalky and fragmented. T.S.F.: 553.1 to 552.6		-20	1	100	22	4	799.4
	550.10						
Dolomite: as above, though more pitted and pocked, with occasional laminations T.S.F.: 545.6 to 545.3		-25	2	100	13	3	545.5
	545.10						
Dolomite: as above with an 8 inch fractured zone at midpoint T.S.F.: 544.4 to 544.0		-30	3	100	37	3.4	874.6
	540.10						
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 3 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. 39
40 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1(B-1)R	Rock Island	503	452

CONTRACT NO. 64815
ILLINOIS FED. AID PROJECT

LAYOUT	Rod	5/21/10
DRAWN	Rod	5/21/10
REVIEWED	MMM/JSH	5/21/10

07/01/2010
c:\pwworking\mud\D1820\D0003\D-04\D0071-6-B15.dgn