STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 2/7/06

ROUTE FAI 280 DESCRIPTION 92-045-02 (b) I-280 over the Chicago-Rock Island RR, .25 m. E. of US 67 LOGGED BY W. Garza

SECTION 81-1VB-1 LOCATION Blackhawk Twp. - 24 SW, 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-4a
Station 264+00
Offset 75.00ft Lt CL
Ground Surface Elev. 563.6 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SILTY CLAY LOAM	561.10			0.6 P	24
MEDIUM dark brown SILTY CLAY LOAM	559.60	-5	5 4 4	0.8 P	24
MEDIUM gray SILTY CLAY LOAM	557.10		3 4 5	0.8 B	30
MEDIUM gray SILTY CLAY LOAM, bottom 2" weathered LIMESTONE	554.60		4 6 69	1.0 B	30
Borehole continued with rock coring.		-10 -15 -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)

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ROCK CORE LOG

Page 1 of 1

Date 2/7/06

ROUTE FAI 280 DESCRIPTION 92-045-02 (b) I-280 over the Chicago-Rock Island RR, .25 m. E. of US 67 LOGGED BY W. Garza

SECTION 81-1VB-1 LOCATION Blackhawk Twp. - 24 SW, 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. 555.10 ft
Begin Core Elev. 554.60 ft

BORING NO. B-4a
Station 264+00
Offset 75.00ft Lt CL
Ground Surface Elev. 563.6 ft

	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Dolomite: light to dark gray, dense and fractured. T.S.F.: 551.0 to 550.6	549.60	-10	1	100	47	2.6	1029
Dolomite: as above, fractured and laminated throughout.	544.60	-15	2	100	0	2.4	
Dolomite: as above, severely fractured to 541.1, otherwise solid.	539.60	-20	3	100	40	2.8	659
End of Boring		-25					

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)

SOIL BORING LOG B-4a
STRUCTURE NO. 081-0024 (W.B.)
STRUCTURE NO. 081-0025 (E.B.)

DESIGNED	
CHECKED	
DRAWN	SV
CHECKED	SPK

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SHEET NO. 76	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
77 SHEETS	280	81-1(VB-1)R	ROCK ISLAND	503	412
			CONTRACT NO. 64815		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

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