STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 2/6/06

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-3a
Station 264+64
Offset 75.00ft Lt CL
Ground Surface Elev. 563.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM dark brown SILTY CLAY LOAM	561.00			0.5 P	13
STIFF dark brown SILTY CLAY LOAM	559.50		6 3 5	1.2 B	43
STIFF gray SILTY CLAY	557.00	-5	2 2 4	1.1 B	26
VERY DENSE light gray weathered LIMESTONE	554.00		2 1 100/1"		
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

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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. 556.50 ft
Begin Core Elev. 554.00 ft

BORING NO. B-3a
Station 264+64
Offset 75.00ft Lt CL
Ground Surface Elev. 563.5 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Dolomite: light gray-buff, dense, fractured & chalky. T.S.F.: 552.4 to 552.0	549.00	-10	1	100	13	2.2	762
As above: no testable segments.	544.00	-15	2	100	7	2.8	
As above. T.S.F.: 542.9 to 542.5	539.00	-20	3	90	8	5	653
End of Boring		-25					

Color pictures of the cores
Cores will be stored for examination until
The "Strength" column represents the unlaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

SOIL BORING LOG B-3a
STRUCTURE NO. 081-0024 (W.B.)
STRUCTURE NO. 081-0025 (E.B.)

DESIGNED	
CHECKED	
DRAWN	SV
CHECKED	SPK

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SHEET NO. 75	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
77 SHEETS	280	81-1(VB-1)R	ROCK ISLAND	503	411
			CONTRACT NO. 64815		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

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