STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 1/17/06

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-1a
Station 265+27
Offset 68.00ft Rt CL
Ground Surface Elev. 564.2 ft

Surface Water Elev. ft
Stream Bed Elev. 559.3 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF dark brown LOAM				1.3 P	18
	561.70				
VERY STIFF dark brown LOAM			5 6 7	3.2 P	26
	560.20	-5			
STIFF gray SILTY CLAY LOAM			1 2 2	1.1 B	25
	557.70				
VERY DENSE gray SHALE/LIMESTONE			9 100/3"		
	555.70				
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

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Date 1/17/06

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

BORING NO. B-1a
Station 265+27
Offset 68.00ft Rt CL
Ground Surface Elev. 564.2 ft

Core Diameter 1.5 in
Top of Rock Elev. 557.20 ft
Begin Core Elev. 555.70 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Dolomite: light gray-buff, dense, chalky and fractured. T.S.F.: 554.4 to 553.9			1	100	20	2.4	497
		-10					
	550.70						
As above: extremely fractured.			2	100	0	3.8	
		-15					
	545.70						
As above: extremely fractured.			3	80	0	8.2	
		-20					
	540.70						
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-1a
STRUCTURE NO. 081-0024 (W.B.)
STRUCTURE NO. 081-0025 (E.B.)

DESIGNED	
CHECKED	
DRAWN	SV
CHECKED	SPK

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SHEET NO. 73	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
77 SHEETS	280	81-1(VB-1)R	ROCK ISLAND	503	409
			CONTRACT NO. 64815		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

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12-52/8 PX
1719
1/22/2010