

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Illinois Department
of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 2/27/06

ROUTE FAI 280 DESCRIPTION P92-045-02 I-280 over US 67, .75 m. S. of Rock River LOGGED BY W. Garza
SECTION 81-1VB & 81-1-HB-1 & 2 LOCATION Blackhawk Twp. - 23 SE. SEC. , TWP. 17N. RNG. 2W
COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.	DEPTH	BL	UCS	MOIST	Surface Water Elev.
Station					ft
BORING NO. <u>B-2c</u>					Stream Bed Elev. ft
Station <u>255+20</u>					Groundwater Elev.:
Offset <u>66.00ft Lt CL</u>					First Encounter <u>554.6</u> ft
Ground Surface Elev. <u>567.1</u> ft	(ft)	(in)	(tsf)	(%)	Upon Completion ft
					After Hrs. ft
MEDIUM reddish brown SANDY LOAM			0.5 P	20	
	564.60	2			
MEDIUM dark gray SILTY LOAM		2	0.8 P	25	
	563.10	3			
MEDIUM dark gray SILTY LOAM with SAND lens		2	0.6 P	24	
	560.60	2			
MEDIUM dark gray SANDY LOAM		2	0.5 P	21	
	558.10	1			
MEDIUM gray SILTY LOAM		2	0.6 B	26	
	555.10	2			
LOOSE gray LIMESTONE with SAND & GRAVEL		59			
	553.10	2			
		4			
VERY DENSE gray LIMESTONE		33			
	551.10	100/3.5"			
Borehole continued with rock coring.					

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, form 137 (Rev. 8-99)



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ROCK CORE LOG

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

STRUCT. NO.	CORING BARREL TYPE & SIZE	DEPTH	CORE	RECOVERY	R.Q.D.	CORE TIME	STRENGTH
Station		(ft)	(#)	(%)	(%)	(min/ft)	(tsf)
BORING NO. <u>B-2c</u>	Core Diameter <u>1.5</u> in						
Station <u>255+20</u>	Top of Rock Elev. <u>552.60</u> ft						
Offset <u>66.00ft Lt CL</u>	Begin Core Elev. <u>551.10</u> ft						
Ground Surface Elev. <u>567.1</u> ft							
Dolomite: buff gray-white, dense and highly fractured throughout, ranging from shard size fragments to less than 3 inch lengths.		1	75	0	6.6		
As above		2	100	0	3.4		
As above		3	100	0	4.6		
End of Boring							

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-2c
STRUCTURE NO. 081-0022 (E.B.)
STRUCTURE NO. 081-0023 (W.B.)



INFRASTRUCTURE
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SHEET NO. 52	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
54 SHEETS	280	81-1(HB-2)R	ROCK ISLAND	503	334
					CONTRACT NO. 64815
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

DESIGNED	
CHECKED	
DRAWN	SV
CHECKED	SPK

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