



Page 1 of 2

Date 8/22/05

ROUTE	I-280	DESCRIPTION	P92-045-02 (c) I-280 over Iowa Interstate Railroad, .4 m. W. of US 67	LOGGED BY	W. Garza
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SECTION 81-1VB 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.					D	B	U	M
Station					E	L	C	O
					P	O	S	I
BORING NO.	B-2				T	W		S
Station	232+98				H	S	Qu	T
Offset	12.00R LI WB CL							
Ground Surface Elev.	589.8				ft	(ft)	(/6")	(tsf)
								(%)

Surface Water Elev. _____	N/A	ft				
Stream Bed Elev. _____		ft				
Groundwater Elev.: _____						
First Encounter _____	561.3	ft	▼			
Upon Completion _____		ft				
After Hrs. _____		ft	(ft)	(/6")	(tsf)	(%)

Soil Description	Elevation (ft)	Soil Type	Moisture (%)	Plasticity (%)	Notes
Through Bridge Deck	577.20	LOOSE gray fine medium SAND	14	3	
	574.30	LOOSE gray fine SAND	2	3	
	572.30	STIFF tan SILT with fine SAND	1	6	1.1 P
	572.30	STIFF gray SILTY CLAY	5	5	2.0 B
	569.80	STIFF black LOAM	1	3	1.3 P
	567.30	STIFF gray SILTY CLAY	1	2	1.0 P
	564.80	STIFF gray SILTY CLAY LOAM with SAND lens	1	3	1.0 B
	561.80	MEDIUM light brown dirty SAND & GRAVEL	4	9	
	558.30		7		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
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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Date 8/22/05

ROUTE	DESCRIPTION	LOGGED BY
I-280	P92-045-02 (c) I-280 over Iowa Interstate Railroad, 4 m. W. of US 67	W. Garza

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

COUNTY	Rock Island	DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE B-53 Diedrich Automatic
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STRUCT. NO.		D	B	U	M
Station		E	L	C	O
		P	O	S	I
BORING NO.	B-2	T	W		S
Station	232+08	H	S	Qu	T
Offset	12.00ft Lt WB CL				
Ground Surface Elev.	550.0	(ft)	(/6")	(tsf)	(%)

Surface Water Elev. _____ N/A ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ 561.3 ft ∇
Upon Completion _____ ft
After Hrs _____ ft

VERY DENSE light gray
SANDSTONE

557.80

Borehole continued with rock
coreing.

100/8

REVISED
9-20-07 SEC

Revised Ground Surface
ELEVATION to
589.8 ft.

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 T296)
BBS, from 137 (Rev. 8-99)



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Date 8/22/05

ROUTE	DESCRIPTION	LOGGED BY
I-280	92-045-02 (c) I-280 over Iowa Interstate Railroad, 4 m. W. of IIS 67	W. Garza

SECTION	81-1VB	LOCATION	Blackhawk Twp - 23 SE SEC. TWP. 17N. RNG. 2W.
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COUNTY	Rock Island	CORING METHOD	R	CORE	S
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STRUCT. NO.	CORING BARREL TYPE & SIZE		D E P T H (ft)	C O R E (in)	
Station	Core Diameter	1.5			in
BORING NO.	Top of Rock Elev.	558.80			ft
Station	Begin Core Elev.	557.80			ft
Offset					
Ground Surface Elev.	569.9				

RECOVERY	R.Q.D.	TIME	STRENGTH
(%)	(%)	(min/ft)	(tsf)

Ground Surface Elev.	Interval	Interval	Interval	Interval
552.80	1	80	8	2.8
As above: with alternating hard and soft layers of less than 1/8 inch thicknesses.	2	100	28	3.2
547.80	3	0	0	2.2
No recovery: presumably soft sandstone washed out under water pressure.				
542.80				
End of Boring				

REVISED
9-25-01
ZCC

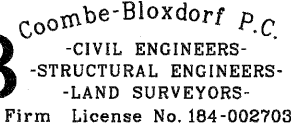
Revised Ground Surface
ELEVATION to
589.8 ft.

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)

BORING LOGS

STRUCTURE NO. 081-0018 (EB)

STRUCTURE NO. 081-0019 (WB)



PROJECT NO.	09033
SCALE	
DATE	6/4/2010
DESIGN BY	
DRAWN BY	CFC
CHECKED BY	MCF

SHEET NO. 51

55 SHEETS

	F.A.I. RTE.
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SECTION
81-1 (VB)

COUNTY

TOTAL SHEETS	SHEET NO.
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CONTRACT NO	64815
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FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT
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PLOT DATE = 7/21/2010
FILE NAME = 0081-0018-0019-64815-051-bor-fngs-2.dgn
PLOT SCALE = 0.0129397 'in' / IN.
USER NAME = CFC..

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