



SOIL BORING LOG

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Date 8/26/05

ROUTE I-280 DESCRIPTION P92-045-02 (c) I-280 over Iowa Interstate Railroad, 4 m. W. of US 67 LOGGED BY W. Garza
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.	DEPT	BLOW	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	DEPT	BLOW	UCS	MOIST
Station	H	S	Qu	T	ft	ft	H	S	Qu	T
BORING NO. B-3										
Station 231+90										
Offset 13.00ft RLEB CL										
Ground Surface Elev. 589.8 ft	(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)
Through Bridge Deck										
					VERY LOOSE tan fine SAND		1			
						566.30	2			
					MEDIUM tan fine SAND		3			
							7			
						565.30	8			
					STIFF tan SANDY LOAM		8			
						563.30	9	2.0	18	
							9	P		
					MEDIUM gray SILTY LOAM		3			
					wet p.c.f. - 143		4	0.6	21	
						560.80	5	S		
					MEDIUM dark gray LOAM		1			
					wet p.c.f. - 121		2	0.7	13	
						558.30	3	B		
					MEDIUM gray SILTY LOAM		1			
					wet p.c.f. - 129		1	0.7	23	
						555.80	3	B		
					MEDIUM tan SILTY CLAY LOAM		1			
					with moist SAND lens		1	0.5	28	
					wet p.c.f. - 121		1	B		
						552.80				
					DENSE tan SAND & GRAVEL		5			
							14			
						550.30	23			
					Ground					
						569.80	-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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Station	H	S	Qu	T	ft	ft	H	S	Qu	T
BORING NO. B-3										
Station 231+90										
Offset 13.00ft RLEB CL										
Ground Surface Elev. 589.8 ft	(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)
VERY DENSE gray weathered SHALE										
							11			
						548.30	22			
							43			
					VERY DENSE gray SHALE		160.7			
						546.30				
					Borehole continued with rock coring.					
							-45			
							-50			
							-55			
							-60			
							-65			
							-70			
							-75			
							-80			
							-85			
							-90			

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)



ROCK CORE LOG

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Date 8/26/05

ROUTE I-280 DESCRIPTION P92-045-02 (c) I-280 over Iowa Interstate Railroad, 4 m. W. of US 67 LOGGED BY W. Garza
SECTION 81-1VB LOCATION Blackhawk Twp. - 23 SE. SEC. , TWP. 17N. RNG. 2W
COUNTY Rock Island CORING METHOD

STRUCT. NO.	CORING BARREL TYPE & SIZE	DEPT	CORE	RECOVER	Q	TI	STRENGTH
Station	Core Diameter	H	R	Y	D	M	E
BORING NO. B-3	Top of Rock Elev.	(#)	(%)	(%)	(min/ft)	(tsf)	
Station 231+90	Begin Core Elev.						
Offset 13.00ft RLEB CL							
Ground Surface Elev. 589.8 ft							
Shale: light gray, soft and soapy, tending towards mudstone.							
		1	95	33	3.2		
		-45					
		-50					
		-55					
		-60					
		-65					
		-70					
		-75					
		-80					
		-85					
		-90					
As above to 535.8, then transitions to ... Sandstone: banded gray and white turning to buff white, fragile, soft and porous and fine grained with no testable segments due to fragility.							
		2	95	10	1.8		
		-50					
		-55					
		-60					
		-65					
		-70					
		-75					
		-80					
		-85					
		-90					
Sandstone: As above T.S.F.: 534.9 to 534.5							
		3	95	47	1.2	324	
		-55					
		-60					
		-65					
		-70					
		-75					
		-80					
		-85					
		-90					
End of Boring							
		-80					
		-85					
		-90					

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)

CB Coombe-Bloxdorf P.C.
-CIVIL ENGINEERS-
-STRUCTURAL ENGINEERS-
-LAND SURVEYORS-
Design Firm License No. 184-002703

PROJECT NO. 09033	F.A.I. RTE. 280	SECTION 81-1 (VB) R	COUNTY ROCK ISLAND	TOTAL SHEETS 503	SHEET NO. 238
DATE 6/4/2010	SHEET NO. 52				
DESIGN BY	55 SHEETS				
DRAWN BY CFC					
CHECKED BY MCB					
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 64815