



SOIL BORING LOG

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Date 8/17/05

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. Station	BORING NO. Station	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	SPT (blows)	DESCRIPTION	SURFACE WATER ELEV. ft	STREAM BED ELEV. ft	GROUNDWATER ELEV. ft	FIRST ENCOUNTER ft	UPON COMPLETION ft	AFTER Hrs
	B-1	234+12					LOOSE tan fine SAND	N/A					
							MEDIUM tan fine SAND						
							VERY STIFF gray SILTY LOAM						
							STIFF olive-green SILTY LOAM wet p.c.f. - 137						
							STIFF black LOAM with ORGANICS wet p.c.f. - 113						
							VERY STIFF gray SILTY CLAY wet p.c.f. - 130						
							STIFF gray SILTY CLAY LOAM wet p.c.f. - 120						
							DENSE tan dirty SAND & GRAVEL						

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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	B-1	234+12					DENSE gray weathered SHALE	N/A					
							VERY DENSE gray SHALE						
							VERY DENSE gray SHALE						
							VERY DENSE gray SHALE						
							VERY DENSE gray SHALE						
							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, from 137 (Rev. 8-99)



ROCK CORE LOG

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Date 8/17/05

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. Station	BORING NO. Station	CORING BARREL TYPE & SIZE	DEPTH (ft)	RECOVERY (%)	CORRECTION (%)	CORE Diameter (in)	CORE Length (ft)	SPT (blows)	DESCRIPTION
	B-1	1.5 in							Shale: light gray, laminated and flaky with alternating hard and soft banded layers - no testable segments of reliable integrity.
									As above: severe fragmentation throughout. It's probable that lower half was soft sandstone washed out during coring.
									Sandstone: speckled white and gray, soft, porous and fragile.
									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)

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. 236
SCALE	DATE 6/4/2010	DESIGN BY	CONTRACT NO. 64815		
SHEET NO. 50	55 SHEETS	CHECKED BY MCB	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

PLOT DATE = 7/21/2010
 FILE NAME = \\081-0018-0019-64815-050-borings-Logn
 PLOT SCALE = 0.10000000 1" = 10'
 USER NAME = CRC