



ROCK CORE LOG

Page 1 of 2
Date 7/17/10

ROUTE I-270 DESCRIPTION Bridge over Chain of Rocks Canal LOGGED BY ASC
SECTION 60-1B-1 LOCATION SEC.30, TWP.4N, RNG.9W, PM

COUNTY Madison CORING METHOD Core Barrel

STRUCT. NO. 060-0345 CORING BARREL TYPE & SIZE NX Wireline
Station _____ Core Diameter 1.9 in
BORING NO. B-17 Top of Rock Elev. 300.33 ft
Station 1198+96.13 Begin Core Elev. 300.33 ft
Offset 26.72ft LT
Ground Surface Elev. 400.5 ft

DEPTH (ft)	CORRECTION (%)	RECOVERY (%)	R.Q.D. (%)	CORE LENGTH (min/ft)	STRENGTH (tsf)
299.23	1	100	92	17.5	
296.30	2	99	81	5.5	
296.28					
294.63	3	95	84	3.5	
289.63	4	96	91	5.2	
284.63	5	98	98	4.2	
					820.8

Color pictures of the cores Yes
Cores will be stored for examination until 2013
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)



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Ground Surface Elev. 400.5 ft

DEPTH (ft)	CORRECTION (%)	RECOVERY (%)	R.Q.D. (%)	CORE LENGTH (min/ft)	STRENGTH (tsf)
279.63					
279.20	6	98	98	4.6	
277.53					
274.63	7	94	94	6.6	
269.63					635.8

Color pictures of the cores Yes
Cores will be stored for examination until 2013
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)



SOIL BORING LOG

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Date 7/14/10

ROUTE I-270 DESCRIPTION Bridge over Chain of Rocks Canal LOGGED BY ASC
SECTION 60-1B-1 LOCATION SEC.30, TWP.4N, RNG.9W, PM

COUNTY Madison DRILLING METHOD HSA/Casing HAMMER TYPE Automatic

STRUCT. NO. 060-0345
Station _____
BORING NO. B-18
Station 1203+85.45
Offset 29.59ft LT
Ground Surface Elev. 394.5 ft

DEPTH (ft)	BULGE (%)	SHEAR (%)	PENETROMETER (%)	SPT (blows)	SOIL DESCRIPTION	ELEVATION (ft)
419.4					Surface Water Elev.	419.4
					Stream Bed Elev.	
					Groundwater Elev.:	
					First Encounter	
					Upon Completion	
					After N/A Hrs.	
					Large Rocks, Rip Rap	
					Gray Fine to Medium SAND, Trace Silt (continued)	
					Gray-brown SILTY SAND, Trace Gravel	
					Gray Fine SAND, Trace Silt	
					Brown Fine to Coarse SAND, Trace Silt, Gravel	
					Gray Fine to Coarse SAND, Trace Silt	
					Gray Fine to Medium SAND, Trace Silt	
					Gray Fine to Medium SAND, Trace Silt, 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, form 137 (Rev. 8-99)

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