



### SOIL BORING LOG

Date 3/9/09

ROUTE FAI-270 DESCRIPTION Bridge over Chain of Rocks Canal LOGGED BY MDM  
 SECTION 60-1B-1 LOCATION SEC.30, TWP. 4N, RNG. 9W, PM  
 COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station	D E P T H S	B L O W S	U C S Qu	M O I S T %	Surface Water Elev. Stream Bed Elev.	D E P T H S	B L O W S	U C S Qu	M O I S T %
060-0345 B-2 (NW Canal) Station 1198+89.25 Offset 33.73R RT Ground Surface Elev. 395.4 ft	7	3			403.0 ft				
					ft				
353.39					N/A ft				
					N/A ft				
353.39									
348.39									
343.39									
343.39									

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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060-0345 B-2 (NW Canal) Station 1198+89.25 Offset 33.73R RT Ground Surface Elev. 395.4 ft					403.0 ft				
					ft				
300.39					N/A ft				
					N/A ft				
300.39									
300.39									
300.39									
300.39									

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

Date 3/9/09

ROUTE FAI-270 DESCRIPTION Bridge over Chain of Rocks Canal LOGGED BY MDM  
 SECTION 60-1B-1 LOCATION SEC.30, TWP. 4N, RNG. 9W, PM  
 COUNTY Madison CORING METHOD Core Barrel

STRUCT. NO. Station	CORING BARREL TYPE & SIZE NX Wireline	D E P T H S	C O R E R Y	R E C O V E R Y	R Q D	C O R E T I M E	S T R E N G T H
060-0345 B-2 (NW Canal) Station 1198+89.25 Offset 33.73R RT Ground Surface Elev. 395.4 ft	Core Diameter 1.9 in Top of Rock Elev. 300.39 ft Begin Core Elev. 300.39 ft	300.39	1	96	100	3	
LIMESTONE: Gray, Hard very finely Crystalline, medium bedded, wavy sloping veins of calcite, throughout slightly jointed							
Core Run 1 - RMR Rating 82 : I-Very Good Quality Rock Mass							
SILTSTONE: Blue Gray, interbedded, Trace wavy veins & Chert nodules							
Core Run 2 - RMR Rating 85 : I-Very Good Quality Rock Mass							
LIMESTONE: Gray, Finely Crystalline with interbedded Blue Gray SILTSTONE & banded chert @ top and bottom of the run							
Core Run 3 - RMR Rating 85 : I-Very Good Quality Rock Mass							

Color pictures of the cores Yes  
 Cores will be stored for examination until 2012  
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)  
 BBS, from 138 (Rev. 8-99)

c:\pwworking\omc\d054904\0600345-76A91-107-SBL.dgn  
jmigus

3/15/2011 5:05:50 PM



USER NAME = jmigus  
 FILE NAME = 0600345-76A91-107-SBL.DGN  
 PLOT SCALE = NONE  
 PLOT DATE = 3/18/2011

DESIGNED - BWC  
 CHECKED - LGP  
 DRAWN - JM  
 CHECKED - BSK

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS  
 STRUCTURE NO. 060-0345  
 BRIDGE SHEET NO. 107 OF 133 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-1B-1	MADISON	712	486
CONTRACT NO. 76A91			ILLINOIS FED. AID PROJECT	