



SOIL BORING LOG

Date 10/23/09

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

STRUCT. NO.	STATION	DEPTH (ft)	BLOWS (6")	UCS (tsf)	MOIST (%)	DESCRIPTION	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion (N/A ft)	After (N/A ft)
060-0345						Brown Medium SAND, trace Gravel (continued)					
		312.19	13			Brown Fine SAND					
		302.69	50/0"			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, form 137 (Rev. 8-99)



ROCK CORE LOG

Date 10/23/09

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

STRUCT. NO.	STATION	BORING NO.	STATION	DEPTH (ft)	CORING METHOD	R.C. (%)	Q.D. (%)	T.M. (min/ft)	S.T. (tsf)	DESCRIPTION
060-0345		B-9	1194+57.52		NX Wireline					LIMESTONE: Light gray, Finely Crystalline, Trace seams, Thick bedded (continued)
				288.92		100	87	6		LIMESTONE: Light gray, Finely Crystalline, Trace seams, Thick bedded Becomes vuggy
									447.8	Core Run 2- RMR Rating 77 : II - Good Quality Rock Mass
				291.92						SILTSTONE: Gray
				291.57						LIMESTONE: Light gray, Finely Crystalline, Trace seams, Thick bedded
				289.09		100	74	2	366.5	LIMESTONE: Light gray, Finely Crystalline, Trace seams and veins, Massive bedded Core Run 3- RMR Rating 74 : II - 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, form 138 (Rev. 8-99)



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 COUNTY Madison CORING METHOD Core Barrel

STRUCT. NO.	STATION	BORING NO.	STATION	DEPTH (ft)	CORING METHOD	R.C. (%)	Q.D. (%)	T.M. (min/ft)	S.T. (tsf)	DESCRIPTION
060-0345		B-9	1194+57.52		NX Wireline					LIMESTONE: Light gray, Finely Crystalline, Trace seams and veins, Massive bedded (continued)
				276.99		100	88	4		LIMESTONE: Light gray, Finely Crystalline, Trace seams, Massive bedded
									359.3	Core Run 4- RMR Rating 82 : I - Very Good Quality Rock Mass
				272.24					1679.0	

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, form 138 (Rev. 8-99)

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3/15/2011 5:06:46 PM



USER NAME = jmgus	DESIGNED - BWC	REVISED -
FILE NAME = 0600345-76A91-121-SBL.DGN	CHECKED - LGP	REVISED -
PLOT SCALE = NONE	DRAWN - JM	REVISED -
PLOT DATE = 3/18/2011	CHECKED - BSK	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
 STRUCTURE NO. 060-0345

BRIDGE SHEET NO. 121 OF 133 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-1B-1	MADISON	712	500
CONTRACT NO. 76A91			ILLINOIS FED. AID PROJECT	