



SOIL BORING LOG

Date 9/23/09

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	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	BLOW COUNT (blows/ft)	UCS (tsf)	MOISTURE (%)	DESCRIPTION	SURFACE WATER ELEV.	STREAM BED ELEV.	GROUNDWATER ELEV.	FIRST ENCOUNTER	UPON COMPLETION	AFTER
060-0345		B-8	1208+30.75	42.65ft RT	431.4					Gray Fine SAND (continued)						
										- with Gravel and Cobbles						
										Gray-brown Fine Gravel						
										- with Gravel and Cobbles						
										Highly weathered limestone						
										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)



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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	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	CORING RECOVERY (%)	RECOVERY (%)	QUALITY (%)	CORE TIME (min/ft)	STRENGTH (tsf)	DESCRIPTION
060-0345		B-8	1208+30.75	42.65ft RT	431.4							LIMESTONE: Gray Finely Crystalline, Thin bedded, Trace jointing
												Large piece of Cobble and some gravel
												LIMESTONE: Gray Finely Crystalline, Thin bedded, Trace jointing
												LIMESTONE: Gray Finely Crystalline, Thin bedded, Trace jointing, Vuggy
												Core Run 2- RMR Rating 77 : II - Good Quality Rock Mass
												Becomes very Finely crystalline
												LIMESTONE: Gray Finely Crystalline, Thin bedded, Laminated blue-gray shale, vuggy
												Core Run 3- RMR Rating 77 : 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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STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	CORING RECOVERY (%)	RECOVERY (%)	QUALITY (%)	CORE TIME (min/ft)	STRENGTH (tsf)	DESCRIPTION
060-0345		B-8	1208+30.75	42.65ft RT	431.4							LIMESTONE: Gray Finely Crystalline, Thin bedded, Laminated blue-gray shale, vuggy (continued)
												LIMESTONE: Gray Finely Crystalline, Thin bedded, Interbedded siltstone, vuggy
												Core Run 4- RMR Rating 77 : 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)

c:\pwworking\oma\0549104\0600345-76A91-119-SBL.dgn jmlgus 3/15/2011 5:06:33 PM



USER NAME = jmlgus	DESIGNED - BWC	REVISED -
FILE NAME = 0600345-76A91-119-SBL.DGN	CHECKED - LOP	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. 119 OF 133 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-1B-1	MADISON	712	498
CONTRACT NO. 76A91			ILLINOIS FED. AID PROJECT	