Illinois Department of Transportation
Division of Highways
Kaskaskia engineering Group

SOIL BORING LOG

Date 9/28/09

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. 060-0345
Station
BORING NO. B-15
Station 1208+17.74
Offset 179.08ft RT
Ground Surface Elev. 428.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 413.9 ft ▼
Upon Completion N/A ft
After ___ Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Fine SAND *(continued)*			2		
Note: SPT samples taken with 300 lb Hammer to 45 feet. Offset to B-15A and redrilled with 140 lb Hammer			3		
		-45	6		
			8		
Gray Fine to Coarse SAND	378.98		13		
		-50	17		
			14		
Gray Fine SAND with Gravel, trace silt Sand=86.2%, Silt/CL=3.5%, Gravel=10.3%	373.98		9		
		-55	8		
			6		
Gray Fine SAND, trace Silt	368.98		12		
		-60	13		
Gray Fine SAND, trace Silt *(continued)*			14		
Gray Fine SAND	358.98		14		
		-70	23		
			25		
Gray Fine SAND, trace Gravel	348.98		6		
		-80	7		

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)

Illinois Department of Transportation
Division of Highways
Kaskaskia engineering Group

SOIL BORING LOG

Date 9/28/09

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. 060-0345
Station
BORING NO. B-15
Station 1208+17.74
Offset 179.08ft RT
Ground Surface Elev. 428.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 413.9 ft ▼
Upon Completion N/A ft
After ___ Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Fine SAND, trace Gravel *(continued)*			8		
Gray Fine SAND with Gravel	338.98		11		
		-90	12		
			13		
		-95			
Gray Fine SAND	328.98		13		
		-100	9		
Gray Fine SAND *(continued)*			9		
Gray Fine SAND	318.98		8		
		-110	16		
			20		
SHALEY LIMESTONE	314.48 313.98				
Brown-gray Coarse GRAVEL with coarse Sand		-115			
Gravel/Cobbles					
Brown-gray Coarse GRAVEL with coarse Sand, trace Clay		-120	19		
			32		

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)

Illinois Department of Transportation
Division of Highways
Kaskaskia engineering Group

SOIL BORING LOG

Date 9/28/09

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. 060-0345
Station
BORING NO. B-15
Station 1208+17.74
Offset 179.08ft RT
Ground Surface Elev. 428.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 413.9 ft ▼
Upon Completion N/A ft
After ___ Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown-gray Coarse GRAVEL with coarse Sand *(continued)*			35		
		-125			
			50/1"		
	297.98	-130			
		-135			
		-140			

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)

c:\pwworking\omo\d0549\04\0600345-76A91-131-SBL.dgn
jmigus

3/15/2011
5:07:41 PM

Kaskaskia Engineering Group, LLC	USER NAME = jmigus	DESIGNED - BWC	REVISED -
	FILE NAME = 0600345-76A91-131-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. 131 OF 133 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-1B-1	MADISON	712	510

CONTRACT NO. 76A91
ILLINOIS FED. AID PROJECT