Illinois Department of Transportation
Division of Highways
Kaskaskia engineering Group

SOIL BORING LOG

Date 11/29/09

ROUTE I-270 DESCRIPTION Bridge over Chain of Rocks Canal LOGGED BY MDM
SECTION Bridge over Chain of Rocks Canal LOCATION , SEC.29, TWP. 4N, RNG. 9W, PM
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 060-0345
Station
BORING NO. B-6
Station 1211+80.74
Offset 20.39ft LT
Ground Surface Elev. 440.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 410.0 ft ▼
Upon Completion N/A ft
After Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Brown-gray SILTY SAND *(continued)*
396.18				
	13			Brown Fine to Medium SAND
-45	18			
	19			
391.48				
	12			Gray Fine SAND, trace Silt
	15			
-50	20			
-55				
381.48				
	13			Gray Fine SAND
	18			
-60	24			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Gray Fine SAND *(continued)*
-65				
371.48				
	14			Brown Fine SAND, trace Silt Sand= 96%, Silt/CL= 4%, Gravel= 0%
	33			
-70	20			
-75				
361.48				
	43			Gray Fine SAND
	29			
-80	38			

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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DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Gray Fine SAND *(continued)*
-85				
351.48				
	14			Brown CLAYEY SAND with Large Gravel and Cobbles
	8			
-90	7			
-95				
341.48				
	10			Brown Fine to Medium SAND
	17			
-100	27			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Brown Fine to Medium SAND *(continued)*
-105				
331.48				
	16			Brown Fine to Medium SAND, trace Silt and Gravel
	23			
-110	32			
-115				
321.48				
	11			Brown Fine to Coarse SAND, with Gravel and Cobbles
	18			
-120	21			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Upon Completion N/A ft
After Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Brown Fine to Coarse SAND, with Gravel and Cobbles *(continued)*
-125				
	10			
	11			
-130	12			
-135				
	50/4"			
-140				

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Brown Fine to Coarse SAND, with Gravel and Cobbles *(continued)*
296.48				
				Borehole continued with rock coring
-145				
-150				
-155				
-160				

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)

Kaskaskia Engineering Group, LLC

USER NAME = jmlgus	DESIGNED - BWC	REVISED -	
FILE NAME = 0600345-76A91-114-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. 114 OF 133 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-1B-1	MADISON	712	493
		CONTRACT NO. 76A91		
	ILLINOIS FED. AID PROJECT			

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jmlgus
3/15/2011
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