Illinois Department of Transportation
Division of Highways
Kaskaskia engineering Group

SOIL BORING LOG

Date 10/2/09

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-7
Station 1208+27.25
Offset 23.52ft LT
Ground Surface Elev. 440.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 411.4 ft
Upon Completion N/A ft
After ____ Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
	11			Gray-Brown Fine SAND, with Silt *(continued)*
399.38	9			
				Brown Fine SAND, with Silt Sand=89%, Silt/CL=11%, Gravel=0%
-45	4			
	5			
	12			
390.88				Gray-Brown Medium SAND, with Silt
-50	6			
	11			
	15			
-55				
380.88				
-60	11			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
	13			Gray-Brown Medium SAND, trace Silt *(continued)*
	15			
-65				
370.68				Gray-Brown Medium SAND
-70	12			
	12			
	18			
-75				
360.68				
-80	12			

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 10/2/09

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-7
Station 1208+27.25
Offset 23.52ft LT
Ground Surface Elev. 440.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 411.4 ft
Upon Completion N/A ft
After ____ Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
	10			Gray-Brown Medium SAND, trace Silt *(continued)*
	10			
-85				
351.38				Gray-Brown Fine SAND
-90	12			
	17			
	24			
-95				
341.38				Gray-Brown Fine to Coarse SAND, with Gravel
-100	18			
	19			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
	14			Gray-Brown Fine to Coarse SAND, with Gravel *(continued)*
-105				
331.38				Brown Medium SAND, with Gravel
-110	18			
	15			
	16			
-115				
321.38				Gray Fine SAND
-120	11			
	14			

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 10/2/09

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-7
Station 1208+27.25
Offset 23.52ft LT
Ground Surface Elev. 440.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 411.4 ft
Upon Completion N/A ft
After ____ Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
	24			Gray Fine SAND *(continued)*
-125				
311.38				Brown-Gray Fine to Coarse GRAVEL
-130	42			
	45			
	52			
-135				
301.38				Gravel and Cobbles
-140	50/2"			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
				Brown-Gray Fine to Coarse GRAVEL *(continued)*
296.38				Highly weathered Limestone
-145				
294.38				Boring Terminated due to casing failure
-150				
-155				
-180				

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\oma\d0549104\D0600345-76A91-116-SBL.dgn
jmigus
3/15/2011
5:06:16 PM

Kaskaskia Engineering Group, LLC	USER NAME = jmigus	DESIGNED - BWC	REVISED -
	FILE NAME = 0600345-76A91-116-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. 116 OF 133 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-1B-1	MADISON	712	495
		CONTRACT NO. 76A91		
	ILLINOIS	FED. AID PROJECT		