



Illinois Department of Transportation
Division of Highways
SCI Engineering

SOIL BORING LOG

Page 1 of 2

Date 07/14/09

ROUTE FAP 331 DESCRIPTION Structure Replacement crossing Big Muddy River LOGGED BY SCI

SECTION 12-2B-2 LOCATION East of Murphysboro; SW 1/4, SEC. 3, TWP. 9S, RNG. 2W

COUNTY Jackson DRILLING METHOD CME 750 w/HSA HAMMER TYPE Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	ft	E	L	C	O
	P	O	S	I	ft	P	O	S	I
BORING NO.	T	W	S	S	Groundwater Elev.:	T	W	S	Qu
Station	H	S	Qu	T	First Encounter	H	S	Qu	T
Offset					Upon Completion				
Ground Surface Elev.	ft	(ft)	(/6")	(tsf)	After - Hrs.	ft	(ft)	(/6")	(tsf)
039-0049									
340+71.00									
B-103									
343+09									
14 ft Rt W/B									
374.0									
ASPHALT - 4 inches									
CONCRETE - 9 inches									
CRUSHED ROCK									
FILL: Brown, silty clay, trace to some sand (A-6)									
Classification of materials based on observation of augered cuttings.									
FILL: Gray, silty clay (A-7)									
Becomes brown									
Temporary benchmark - brass disk at southeast corner of east abutment. USGS Topographic Map - El. 384									
FILL: Grayish brown, silty clay (A-6)									
FILL: Gray, silty clay, trace to some sand (A-7)									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



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Station	H	S	Qu	T	First Encounter	H	S	Qu	T
Offset					Upon Completion				
Ground Surface Elev.	ft	(ft)	(/6")	(tsf)	After - Hrs.	ft	(ft)	(/6")	(tsf)
039-0049									
340+71.00									
B-103									
343+09									
14 ft Rt W/B									
374.0									
SILT CLAY: Brown, trace to some sand (A-7)									
SAND: Brown and gray, fine to coarse (A-1)									
CLAY: Gray (A-7)									
SILT CLAY: Gray (A-6)									
Boring terminated at 47.0 ft.									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
STRUCTURE NO. 039-0076 (W.B.)**

SHEET NO. 53 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)B-1	JACKSON	200	165
CONTRACT NO. 78056			ILLINOIS FED. AID PROJECT	