



SOIL BORING LOG

ROUTE FAI Rt. 74 DESCRIPTION HTCMB at Salt Fork River Structures LOGGED BY KWW

SECTION _____ LOCATION SE, SEC. 10, TWP. 19N, RNG. 10E, 3rd PM GPS: _____

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 010-0029/0030
Station _____

BORING NO. 11 HTCMB
Station 738+27

Offset 61.0 ft Lt.
Ground Surface Elev. 670.2 ft

D	B	U	M	Surface Water Elev.	D	B	U	M
E	L	C	O	ft	E	L	C	O
P	O	S	I	Stream Bed Elev.	P	O	S	I
T	W	Qu	T	ft	T	W	Qu	T
H	S			Groundwater Elev.:	H	S	Qu	T
				First Encounter				
				Upon Completion				
				After _____ Hrs.				
(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	

Mixed Brown Clay Loam (Embankment)
661.7
4 0.5 E 19
-5

Mixed Brown Gray Mottled Silty Clay
661.7
8 2.3 B 22
-10

Mixed Brown Gray Mottled Silty Clay
661.7
7 2.5 B 23
-10

Mixed Brown Gray Mottled Silty Clay
661.7
5 1.6 B 29
-15

Mixed Brown Gray Mottled Silty Clay
661.7
11 1.3 S 23
-15

Mixed Brown Gray Mottled Silty Clay
661.7
6 1.0 B 25
-20

Brown Gray Silty Clay Loam with Free Water
651.7
3
-20

Brown Gray Silty Clay Loam with Free Water (continued)
649.2
Medium to Coarse Gray to Brown Sand
8
(Boring Log Reproduced from West Abutment Structure Boring)
(Note: "N" value is per 12 inches)
645.2 -25
13

End of Boring
-40

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An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
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)



SOIL BORING LOG

ROUTE FAI Rt. 74 DESCRIPTION HTCMB at Salt Fork River Structures LOGGED BY KWW

SECTION _____ LOCATION SE, SEC. 10, TWP. 19N, RNG. 10E, 3rd PM GPS: _____

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 010-0029/0030
Station _____

BORING NO. 12 HTCMB
Station 740+16

Offset 60.0 ft Rt.
Ground Surface Elev. 670.3 ft

D	B	U	M	Surface Water Elev.	D	B	U	M
E	L	C	O	ft	E	L	C	O
P	O	S	I	Stream Bed Elev.	P	O	S	I
T	W	Qu	T	ft	T	W	Qu	T
H	S			Groundwater Elev.:	H	S	Qu	T
				First Encounter				
				Upon Completion				
				After _____ Hrs.				
(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	

Mixed Brown & Gray Clay Loam Embankment
657.8
5 3.5 B 12
-5

Mixed Brown & Gray Clay Loam Embankment
657.8
8 2.3 B 22
-10

Mixed Brown & Gray Clay Loam Embankment
657.8
7 2.5 B 23
-10

Mixed Brown & Gray Clay Loam Embankment
657.8
5 1.6 B 25
-10

Mixed Brown & Gray Clay Loam Embankment
657.8
6 1.7 B 20
-15

Mixed Brown & Gray Clay Loam Embankment
657.8
10 2.1 B 17
-15

Mixed Brown & Gray Clay Loam Embankment
657.8
16 4.3 B 14
-20

Brown Clay Loam Till (continued)
649.8
Gray Clay Loam Till
21 9.3 B 11

Brown Clay Loam Till (continued)
649.8
(Boring Log Reproduced from East Abutment Structure Boring)
(Note: "N" value is per 12 inches)
645.3 -25
31 3.5 S 15

End of Boring
-40

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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)

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#		DRAWN -	REVISED -			74	HSIP FY2012-1	CHAMPAIGN	160	41	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			SCALE:		SHEET NO. 6 OF 7 SHEETS		STA.	TO STA.
	PLOT DATE = #DATE#	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					