

BORING LOG

JOB NO: BM3-1265	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: B-4
PROJECT: Proposed Bridge Replacement - US24 over Big Sister Creek		STATION: 1447+45
LOCATION: US 24 over Big Sister Creek		OFFSET: 34.5' RT
BORING RIG & METHOD: CME 75 Truck Mounted/Hollow Stem Augers		SURF ELEV: 460.1

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q _u	STRAIN %	WATER CONTENT %
	0.0-1.0	459.8	4" Br Topsoil		Auger 1			21.2
	1.0-2.5		FILL: Br Silty Clay A-6, little Gravel, roots	7	3-4	(0.5)		27.2
	3.5-5.0	454.5		10	1-2			25.0
	6.0-7.5		Stiff Dark Gr Silty Clay Loom A-4, trace Gravel	8	4-3	1.0	15	25.4
	8.5-10.0	451.1		18	2-3	(0.25)		25.7
	11.0-12.5		Note: Organics at 9 to 10 feet in depth	18	2-2	0.4	15	29.3
	13.5-15.0	446.9		18	3-3	0.8	15	20.1
	16.0-17.5		Medium Stiff to Soft Dark Gr Clay A-4, trace Gravel	18	1-2	0.7	15	27.1
	18.5-20.0	439.5	Note: Organics at 13.5 to 15 feet in depth	18	0-1	0.4	15	36.2
	21.0-22.5	436.7		8	2-3			19.1
	23.5-25.0		Loose Br Sand A-1-b, little Gravel	17	29-37			9.3
	26.0-27.5		Gray Silty SHALE	18	38-71			11.1
	28.5-29.8		Note: Trace Coal at 28.5 to 29.8 and some Coal at 31.0 to 31.3 feet in depth	10	76			13.4
	31.0-31.3	428.8		3	100/3"			10.6

Boring Terminated @ 31.3 feet

REMARKS Automatic Hammer Used; Stream elevation during drilling = 446.22 () Denotes Calibrated Penetrometer Estimate

WATER	20 FT. ELEV.	440.1 DURING DRILLING	☒ CORE SIZE	IN. DATE:	Mar 22, 11
WATER	14 FT. ELEV.	446.1 AT COMPLETION	☒ CASING LENGTH	FT. DRILLER:	Groff (Tim/John)
WATER	FT. ELEV.	AFTER HRS.	☒ CASING DIAMETER	IN. INSPECTOR:	B. Alsalmi

EDN, BM3-1265, BIG SISTER BRIDGE, CP3, 1/27/12



USER NAME =	DESIGNED - LRT	REVISED -
	CHECKED - OAO	REVISED -
PLOT SCALE =	DRAWN - TCS	REVISED -
PLOT DATE =	CHECKED - LRT	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
STRUCTURE NO. 029-0074**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(137 BR, BR-1) BR	FULTON	118	84
CONTRACT NO. 68699				
SHEET NO. 21 OF 21 SHEETS				
ILLINOIS FED. AID PROJECT				