

BORING LOG

JOB NO: BM3-1265 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION BORING NO: B-1
 PROJECT: Proposed Bridge Replacement - US24 over Little Sister Creek STATION: 1423+76
 LOCATION: US 24 over Little Sister Creek OFFSET: 12.5' RT
 BORING RIG & METHOD: CME 75 Truck Mounted/Hollow Stem Augers SURF ELEV: 460.6

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q _u	STRAIN %	WATER CONTENT %
	0.0-1.0	459.7	5" Asphalt over 5" Sand and Gravel Base		Auger 1			5.1
	1.0-2.5		FILL: Br/Gr Clay Loom A-4, little Gravel	11	2-2	0.5	15	21.0
	3.5-5.0	455.9		10	3 1-3	0.6	15	22.9
	6.0-7.5	452.8	Soft Black Sandy Clay A-7-6, little Organics (small Roots)	14	1 1-2	0.3	15	25.3
10	8.5-10.0			15	2 2-2	0.3	15	29.3
	11.0-12.5		Soft to Medium Stiff Dark Gr Clay Loom A-4 (1), trace Gravel	16	WH	0.5	15	22.8
	13.5-15.0			18	WH	0.3	15	24.6
	16.0-17.5	444.1	Very Loose Dark Gr Sand A-1-b, trace Gravel	14	0 0-2			20.1
20	18.5-20.0	441.6	Very loose to Loose Br Sand A-1-b, trace Gravel	12	1 1-1			6.9
	21.0-22.5	437.8		9	1 3-2			23.6
	23.5-25.0	436.3	Medium Dense Br Sand A-3, some Gravel	16	8 10-27			16.2
	26.0-27.5	435.1	Black COAL	14	10 15-23			17.0
30	28.5-30.0		Gray Silty SHALE, trace Coal	11	47 45-7/1in			10.5
	31.0-32.5		Note: Coarse Gravel noted at 26.5'	18	11 30-65			15.2
	33.0-34.3	426.3		5	112/ 5 in			16.5

Boring Terminated @ 34.3 feet

REMARKS Automatic Hammer Used; Stream elevation during drilling = 449.84

() Denotes Calibrated Penetrometer Estimate

WATER	18 FT. ELEV.	442.6 DURING DRILLING	☒ CORE SIZE	IN. DATE:	Mar 21, 11
WATER	11 FT. ELEV.	449.6 AT COMPLETION	☑ CASING LENGTH	FT. DRILLER:	Groff (Tim/John)
WATER	FT. ELEV.	AFTER HRS.	☑ CASING DIAMETER	IN. INSPECTOR:	B. Alsalami

EON: BM3-1265 LITTLE SISTER BRIDGE.GPJ 1/27/12

BORING LOG

JOB NO: BM3-1265 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION BORING NO: B-2
 PROJECT: Proposed Bridge Replacement - US24 over Little Sister Creek STATION: 1425+35
 LOCATION: US 24 over Little Sister Creek OFFSET: 13' LT
 BORING RIG & METHOD: CME 75 Truck Mounted/Hollow Stem Augers SURF ELEV: 460.6

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q _u	STRAIN %	WATER CONTENT %
	0.0-1.0	459.3	6" Asphalt over 10" Gravel Base		Auger 1			3.2
	1.0-2.5		m FILL: Br/Gr Clay Loom A-6	9	2-3	(2.0)		27.2
	3.5-5.0	454.9		12	3 3-5	0.8	15	22.8
	6.0-7.5		Stiff Gr Silt A-4	17	3 4-3	1.9	15	21.4
10	8.5-10.0	450.4		18	2 4-6	1.7	15	25.3
	11.0-12.5		Stiff Dark Gr Clay Loom A-4	17	2 2-4	(1.0)		27.3
	13.5-15.0	445.3		18	1 3-3	1.2	15	22.4
	16.0-17.5	443.7	Very Soft Dark Gr Clay Loom A-4	14	0 0-1			22.7
20	18.5-20.0		Very loose to loose Black and Gray Sand A-1-b, some Gravel	14	1 3-2			28.5
	21.0-22.5			17	1 1-3			19.9
	23.5-25.0	434.8		18	4 4-5			11.4
	26.0-27.5			7	68 35/1"			10.3
30	28.5-30.0		Gray Silty SHALE	1	100/1"			16.6
	31.0-32.5	428.1		18	27 46-58			8.3

Boring Terminated @ 32.5 feet

REMARKS Automatic Hammer Used; Stream elevation during drilling = 449.84

() Denotes Calibrated Penetrometer Estimate

WATER	16 FT. ELEV.	444.6 DURING DRILLING	☒ CORE SIZE	IN. DATE:	Mar 21, 11
WATER	10.5 FT. ELEV.	450.1 AT COMPLETION	☑ CASING LENGTH	FT. DRILLER:	Groff (Tim/John)
WATER	FT. ELEV.	AFTER HRS.	☑ CASING DIAMETER	IN. INSPECTOR:	B. Alsalami

EON: BM3-1265 LITTLE SISTER BRIDGE.GPJ 1/27/12