

HOLCOMB FOUNDATION ENGINEERING INC. P.O. Box 88 618-529-5262 Carbondale, IL 62903 618-457-8991 fax											
Page 1 of 2											
Bridge Foundation Boring Log											
Project: H-11087 Bridge Over Bear Creek				Date: 6/9/11							
Section: 09-08140-00-BR Station				Bored by: B. Schwartz							
Structure:				Checked By: J. Holcomb							
County: White											
Boring No.: 2		Station:		Surface Water Elev.:		Elevation		N		Qu tsf	
Offset:				Ground Water Elev. During Drilling: 403.0		Elevation		N		Qu tsf	
				Upon Completion: 411.0		Elevation		N		Qu tsf	
Ground Surface: 415.0		0				Elevation		N		Qu tsf	
Gray Mottled Brown Silty CLAY to Clayey SILT (A-6-4)				391.0		Elevation		N		Qu tsf	
		11 2.2S 20		Brown Clayey SAND (A-2-4)		-25		6		24	
				388.5		Elevation		N		Qu tsf	
		-5 3 1.0B 27		Brown Fine to Medium SAND (A-2-4) w/gravel		2		--		25	
				386.0		Elevation		N		Qu tsf	
		3 1.6S 25		Brown Sandy CLAY (A-6)		-30		11 1.6B 29			
		-10 11 3.1S 18				Elevation		N		Qu tsf	
				381.0		Elevation		N		Qu tsf	
		13 2.1S 20		Gray Silty CLAY (A-6) w/sand and pebbles		-35		13 2.7B 16			
				401.0		Elevation		N		Qu tsf	
		-15 11 1.5S 18		Gray Mottled Brown Silty CLAY to Clayey SILT (A-6-4) w/sand							
				396.0		Elevation		N		Qu tsf	
		5 1.0S 20		Gray Mottled Brown Sandy CLAY (A-6)		-40		28 4.5S 11			
				393.5		Elevation		N		Qu tsf	
		11 2.0S 18		Gray Clayey SAND w/gravel (A-2-4)		-40		28 4.5S 11			
				371.0		Elevation		N		Qu tsf	
		3 0.5S 21		Gray Mottled Brown Silty CLAY (A-6) w/sand							

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
 Qu - Unconfined Compressive Strength in tons/sq.ft.
 w - Water Content - percentage of oven dry weight-%
 B = Bulge Failure
 S = Shear Failure
 E = Estimated Value
 P = Penetrometer

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Offset:				Ground Water Elev. During Drilling: 403.0		Elevation		N		Qu tsf	
				Upon Completion: 411.0		Elevation		N		Qu tsf	
gray clayey sand (continued)				45.21		Elevation		N		Qu tsf	
				366.0		Elevation		N		Qu tsf	
		-50 23 -- 14		Gray Fine to Medium SAND (A-2-4) w/ gravel							
				361.0		Elevation		N		Qu tsf	
		26 2.1S 14		Gray Weathered Shale		-55		26 2.1S 14			
				358.5		Elevation		N		Qu tsf	
		100 / 3" -- 11		Gray Shale		-60		100 / 3" -- 11			
				353.5		Elevation		N		Qu tsf	
		100 / 3" -- 9		End Of Boring @ -61.5'		-65		100 / 3" -- 9			

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BORING 2