STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOLCOMB FOUNDATION ENGINEERING INC.
P.O. Box 88 618-529-5262
Carbondale, Il. 62903 618-457-8991 fax Page 1 of 1

Bridge Foundation Boring Log

Project: H-08246 Bridge Over East Fork - Shoal Creek Date: 10/21/08
Section: 08-00128-00-BR Station 342+69
Route: CH #8 F.A.S. 721 Bored by: D. Russell
County: Montgomery County Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 571.2
Upon Completion 576.2

Description	Elevation	N	Qu tsf	w %
Ground Surface 590.2	0			
3" A-3 over 6" Cr. Stone 589.5				
Gray Mottled Brown Sandy CLAY (A-6) with rubble		6	--	-
	-5	4	--	16
		4	--	16
581.2				
Gray Clayey SAND (A-2-4)	-10	4	0.6S	18
		4	--	-
576.2				
Gray Medium to Coarse SAND (A-2-4)	-15	3	--	21
573.7				
Gray Clayey SAND (A-2-4)		7	--	26
571.2				
Gray Medium to Coarse SAND (A-2-4) with clay	-20	4	--	21
568.7				
Gray SHALE		39	5.7S	16

Description	Elevation	N	Qu tsf	w %
(shale continued)		100/3"	4.7	14
565.2	-25	100/1"	-	6
Limestone-Auger Refusal 564.7				
End of Boring @ -25.5'				
	-30			
	-35			
	-40			

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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Route: CH #8 F.A.S. 721 Bored by: D. Russell
County: Montgomery County Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 573.0
Upon Completion --

Description	Elevation	N	Qu tsf	w %
Ground Surface 592.0	0			
3" A-3 over 6" Cr. Stone 591.2				
Brown Sandy CLAY (A-6)		6	1.2S	13
	-5	4	0.9S	20
		6	--	19
583.0				
Gray Sandy CLAY (A-6)	-10	3	1.0S	19
		3	0.7S	18
	-15	2	0.6B	25
575.5				
Brown Mottled Gray Clayey SAND (A-2-4)		6	--	18
573.0				
Brown Medium to Coarse SAND (A-2-4) with clay	-20	11	--	22
570.5				
Brown Medium to Coarse SAND (A-2-4) with gravel		11	--	17
567.5		100/5"	5.3S	13
Gray SHALE	-25			
566.0		100/3"	-	5
Gray LIMESTONE 565.5				
End of Boring @ -26.5'				
	-30			
	-35			
	-40			

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

SOIL BORINGS
STRUCURE NO. 068-3358

DESIGNED	CMF
CHECKED	TMM
DRAWN	RNH
CHECKED	TMM

McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
138 East Wood Street
Hillsboro, IL 62049
Phone: 217.532.9233
Fax: 217.532.6300
PROFESSIONAL DESIGN No. 184-002754

SHEET NO. 11
12 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	08-00128-00 BR	MONTGOMERY	22	17
		CONTRACT NO. 93496		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		