CONTRACT NO. 97276

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 788 (C.H. 24/ C.H. 16)	03-00075-00-BR, WASH. 03-00082-00-BR, CLIN.	WASHINGTON CLINTON	22	20

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-04201 Bridge Over Crooked Creek Date: 09/07/04
Section: 03-00075-00-BR Station
Route: FAS Route 788 Bored by: S. Marcec
County: Washington Checked By: T. Holcomb

Boring No: 3
Station: 207+02
Offset: 14' Rt.

Surface Water Elev.
Ground Water Elev. During Drilling 421.34
Upon Completion plugged

Description	Elevation	N	Qu tsf	w %
Ground Surface	440.34			
3" Crushed Stone	440.10			
Brown Mottled Gray Silty CLAY to CLAY (A-6)	0	6	1.3S	24
	-5	6	1.4B	18
	433.84			
Gray CLAY (A-7-6)		8	1.9S	22
	431.84			
Gray Clayey SILT (A-4)	-10	17	1.9B	20
	427.84	1	0.7B	26
Gray to Brown Silty CLAY (A-6)	-15	5	1.9S	25
		6	1.2S	26
	-20	6	0.9B	26
		8	2.0B	26
clay (continued)				
	415.34			
Gray Clayey SAND (A-2-4)	-25	9	1.7S	25
	-30	9	0.3B	24
	-35	100/ 2"	--	23
	404.34			
Gray SANDSTONE	-40	100/ 4"	1.9S	16
	-60	100/ 2"	--	16

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

HOLCOMB FOUNDATION ENGINEERING INC.
P.O. Box 88 618-529-5262
Carbondale, Il. 62903 618-457-8991 fax
Page 2 of 2

Bridge Foundation Boring Log

Project: H-04201 Bridge Over Crooked Creek Date: 09/07/04
Section: 03-00075-00-BR Station
Route: FAS Route 788 Bored by: S. Marcec
County: Washington Checked By: T. Holcomb

Boring No: 3
Station: 207+02
Offset: 14' Rt.

Surface Water Elev.
Ground Water Elev. During Drilling 421.34
Upon Completion plugged

Description	Elevation	N	Qu tsf	w %
sandstone (continued)	-45			
	391.84	100/ 1"	--	19
End of Boring @ -48.5'	-50			
	-55			
	-60			
	-65			
	-70			
	-75			
	-80			
	-85			

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

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-04201 Bridge Over Crooked Creek Date: 09/07/04
Section: 03-00075-00-BR Station
Route: FAS Route 788 Bored by: J. Carter
County: Washington Checked By: T. Holcomb

Boring No: 4
Station: 206+24
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 421.69
Upon Completion plugged

Description	Elevation	N	Qu tsf	w %
Ground Surface	431.69			
Brown Mottled Gray Silty CLAY (A-6)	0			
	429.69	2	0.5B	28
Brown Mottled Gray Silty CLAY (A-6) to Clayey SILT (A-4)	-5	3	0.6B	30
		1	0.4B	30
	-10	3	0.7B	25
		2	0.5B	26
	-15	2	0.4B	27
	415.69			
Gray Mottled Brown Silty CLAY (A-6)		5	2.8B	25
	-20	4	1.5S	31
		17	--	--
clay (continued)				
	408.19			
Gray SANDSTONE	-25	100/ 1"	--	13
		100/ 2"	1.4S	17
	401.69	100/ 4"	2.1S	18
End of Boring @ -30.0'	-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

DESIGNED:	L.D.G.
CHECKED:	B.G.H.
DRAWN:	K.H.L.
CHECKED:	L.D.G.

BORING LOGS

F.A.S. 788 (C.H. 24/C.H. 16)
OVER CROOKED CREEK
SECTION 03-00075-00-BR
WASHINGTON COUNTY
SECTION 03-00082-00-BR
CLINTON COUNTY

H.M. & G. NO. 5213