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	19

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

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Bridge Foundation Boring Log

Project: H-04201 Bridge Over Crooked Creek Date: 6/24/05
Section: 03-00075-00-BR Station
Route: FAS Route 788 Bored by: J. Carter
County: Washington Checked By: T. Holcomb

Boring No: 1A
Station: 204+01
Offset: 14.75' Rt

Surface Water Elev.
Ground Water Elev. During Drilling 418.80
Upon Completion plugged

Description	Elevation	N	Qu tsf	w %
Ground Surface 439.80	0			
Oil and Chip over Crushed Stone				
Brown Mottled Gray Silty CLAY (A-6)		st		
	-5	st		
433.80				
Gray Clayey SILT (A-4) with fine sand		st		
	-10	st		
		st		
	-15	st		
423.80				
Brown Clayey SILT (A-4) with fine sand		st		
	-20	st		
418.80				
Gray Mottled Brown Silty CLAY to Clayey SILT (A-6 to A-4)		st		
silty clay (continued)				
416.30				
Gray Clayey SILT (A-4) with sand	-25	st		
413.80				
End of Boring @ -26.0'				
	-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

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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: 2
Station: 204+98
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 420.69
Upon Completion plugged

Description	Elevation	N	Qu tsf	w %
Ground Surface 429.19	0			
Gray Fat CLAY (A-7-6)		2	0.9B	34
	-5	4	1.1S	32
		1	0.3B	45
	-10	0	0.1B	36
417.19		1	0.2B	28
Gray Sandy CLAY to Clayey SAND (A-6 to A-2-4)	-15	2	0.2B	27
		3	1.2B	19
409.19	-20	4	0.5B	17
Gray SAND (A-2-4)		7	0.3B	26
sand (continued)				
	-25	17	--	17
403.19				
Gray SANDSTONE				
	-30	60/ 1"	1.5S	18
		100/ 3"	--	18
	-35	100/ 1"	--	18
395.19				
End of Boring @ -34.0'				
	-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