ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 882	84-00059 -00-BR	WHITE	22	22
FED. ROAD DIST. NO. 9	ILLINOIS	CONTRACT NO. 99268		

Sheet 14 of 14

BRIDGE FOUNDATION BORING LOG

PROJECT
ROUTE FAS 882 (C.H.10)
SEC. 84-00059-00-BR
COUNTY WHITE
Boring No. 2, E. ABUT.
Station SEE REMARKS
Offset ON SHEET NO. 6
BRIDGE SKILLET FORK
EXIST. STR. NO. 097-3030
STA.
Date JUNE 12, 1985
Bored By R. D. METHENEY
Checked By J. J. KLAY

Surface Water El. 174.8
Groundwater El. at Completion 176.7
After ___ Hours ___

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 379.1	0		
EXISTING GRAVEL SURFACE ROAD AND BASE (1'±) 378.1	198.7		
STIFF, VERY MOIST, SANDY CLAY LOAM 377.1	197.7	2.0 E	10
MEDIUM, DAMP TO VERY DAMP, CLAY	9	1.0 S	22
-5			
373.6	194.2		
STIFF, DAMP, CLAY	23	1.8 S	20
370.6	191.2		
VERY STIFF, DAMP, CLAY 369.6	190.2	2.2 S	20
-10			
STIFF, DAMP, HIGH PLASTICITY, CLAY	18	1.8 S	27
	14	1.5 S	20
-15			
363.6	184.2		
VERY STIFF, DAMP, HIGH PLASTICITY, CLAY	25	2.3 S	20
359.6	180.2	2.1 S	24
-20			
STIFF, DAMP, HIGH PLASTICITY, CLAY	16	1.5 S	25
STIFF, DAMP, HIGH PLASTICITY, CLAY 356.1	176.7		
VERY STIFF, DAMP, HIGH PLASTICITY, CLAY	23	2.1 S	23
-25			
352.1	172.7	2.1 S	25
STIFF, DAMP TO VERY DAMP, HIGH PLASTICITY, CLAY			
349.6	170.2	1.3 S	26
-30			
MEDIUM, VERY DAMP, HIGH PLASTICITY, CLAY	6	0.7 S	29
	6	0.7 S	23
-35			
	7	0.9 S	25
341.1	161.7		
STIFF, DAMP, HIGH PLASTICITY, CLAY	20	1.5 S	22
-40			
WATER ENCOUNTERED AT ELEVATION 156.7			
	20	1.6 S	21
336.1	156.7		
SOFT, WET, CLAY WITH 2"± THICK LENSES OF SANDY LOAM TO SAND	6	0.4 S	25
-45			

N – Standard Penetration Test – Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".

Qu – Unconfined Compressive Strength – t/sf

w – Water Content – percentage

Type failure:
B – Bulge Failure
S – Shear Failure
E – Estimated Value

BORING NO. 2 CONTINUED FROM SHEET NO. 4

FAS ROUTE 882
SEC. 84-00059-00-BR
WHITE COUNTY
EXIST.STR.NO. 097-3030

Elevation	N	Qu t/s.f.	w (%)
SOFT, WET, CLAY WITH 2"± THICK SAND LENSES 333.6	-45 / 154.2		
STIFF, VERY DAMP, CLAY TO CLAY TILL (CONSIDERABLE SAND CONTENT)	15	1.5 S	20
	19	1.5 S	14
328.6	-50 / 149.2		
DENSE, DAMP, CEMENTED, LOAM TO SANDY LOAM	32		18
	40		19
323.6	-55 / 144.2		
DENSE, VERY MOIST, CEMENTED, LOAM 322.1	142.7	32	22
MEDIUM, DAMP, CEMENTED, LOAM TO SILTY LOAM	13		27
	-60		
	18		24
316.1	136.7		
MEDIUM, DAMP TO VERY DAMP, CEMENTED, LOAM TO SANDY LOAM	15		24
	-65		
308.6	-70 / 129.2		16
MEDIUM, LOAM TO SL 308.6	129.2		
MEDIUM, DAMP, CEMENTED, FINE GRAIN, SANDY LOAM	22		23
	-75		
302.6	123.2		
MEDIUM, VERY DAMP, CLAY TILL WITH 1"± THICK SAND LENSES	10	0.9 S	17
	-80		
298.6	119.2		
MEDIUM, WET, FINE GRAIN, SAND		14	
	-85		
293.6	114.2		
DENSE, VERY DAMP, CEMENTED, LOAM TO SANDY LOAM 292.1	112.7	32	23
MEDIUM, DAMP TO VERY DAMP, CEMENTED, LOAM TO SANDY LOAM	-90		24
		13	
	-95		27
282.6	103.2		24

BORING NO. 2 CONTINUED FROM SHEET NO. 5

FAS ROUTE 882
SEC. 84-00059-00-BR
WHITE COUNTY
EXIST.STR.NO. 097-3030

Elevation	N	Qu t/s.f.	w (%)
- 95			
103.2	50		13
VERY DENSE, VERY MOIST, WEATHERED, CLAY SHALE	120		12
-100			
277.1	97.7		
HARD, DAMP, CLAY TILL (CONSIDERABLE SAND CONTENT)			
-105			
273.1	93.7	4.3 S	12
EXTENT OF EXPLORATION	85		
-110			
-115			
-120			

REMARKS:

BORING LOCATION OF BORING NO. 2 IS 11.0' EAST OF EAST END OF THE EXISTING CONCRETE BRIDGE DECK AND 1.0' NORTH OF THE EXISTING CENTERLINE.

BENCH MARK – SEE SHEET NO. 3

-75
-80
-85
-90
-95

BORING 2

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-98-0013-1	DATE: 01/18/07
DESIGNED: M.G.B.	CHECKED: S.W.M.	DRAWN: D.B.

BORING 2
F.A.S. ROUTE 882
SECTION 84-00059-00-BR
WHITE COUNTY
STRUCTURE NO. 097-3186 / STATION 9+40