STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. P. 614	147 (RS-5,B-2)	MORGAN		97
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 12

12 SHEETS

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Six Materials
SW 1/4, SW 1/4, Sec. 15, T 16 N, R 10 W of the 3rd P.M.

Bridge Foundation
Boring Log
Sh. 1 of 2

PROJECT SN 069-0002 Existing
BRIDGE IL 78 over Fork of Indian Creek
Date 05/19/99
ROUTE FAP 614 (IL 78)
Bored By M. Tappan
SEC. 147(RS-5,B-2)
STA. 14+817 +/-
Checked By M. Metcalf

COUNTY Morgan

Boring No. 1 S. Abt
Stg 14+805.5
O/S 4.5 m Right

El. m	N	Qu kPa	W %
Ground Surface 164.5 0m			
Grey			
Moist			
SILTY CLAY LOAM (Fill)			
	1		
	2	95	23
-1.5	4	B	
162.8			
Grey			
Moist	2		
SILT LOAM	3	65	26
	2	S-10	
162.1			
Black			
Moist	1		
SILTY CLAY	2	40	30
-3.0	2	B	
161.3			
Dark Grey			
Moist	0		
SILTY CLAY LOAM	0	30	29
	1	B	
Black w/ Thin Medium	0		
Grained SAND Seams	1	50	34
and Roots -4.5	1	B	
Free Water			
Olive Brown and	0		
Dark Grey	2	60	29
	1	B	
158.9			
Brown and Grey	0		
Wet	0	10	24
LOAM -6.0	0	B	
158.3			
Grey			
Wet	0		
SAND to SAND LOAM	1		
	1		

Surf Wat El. 160.61 Grndwater El. at Compl Washed At ____ Hrs Pluged	El. m	N	Qu kPa	W %
				1
SAND to SAND LOAM				
157.5				
Grey				Washed
Medium Grained		0		
Clean SAND		1		
-7.5		1		
156.6				
Grey				
Moist				
SILTY CLAY LOAM w/				
Roots				
				Washed
		0		
		1	30	33
-9.0		1	B	
154.7				
Grey				
Fine to Medium				
Grained Clean				Washed
SAND		0		
		0		
-10.5		1		
153.2				
Grey				
Moist				
LOAM				Washed
		1		
		2	95	14
-12.0		2	B	
151.2				
Blue Grey Moist		13		
Micaceous CLAYEY SHALE		100		11
Next Page -13.5		/125mm		

N 50 mm OD Sampler, Driven 305 mm
63.5Kg Hammer, 760 mm Fall (Fall. B-Bulge S-Shear E-Estimated P-Penetrometer)

Project SN 069-0002
Route FAP 614 (IL 78)
Sec. 147(RS-5,B-1,B-2)
County Morgan

Sh. 2 of 2

Boring No. 1 S. Abt
Stg 14+805.5
O/S 4.5 m Right

		N	Qu kPa	W %
Blue Grey	-13.5			
Moist				
Micaceous				
CLAYEY SHALE				
V. Well Indurated				
			100	
			/150mm	11
149.3	-15.0			
Boring Completed				
	-16.5			
	-18.0			
	-19.5			
	-21.0			

		N	Qu kPa	W %
	-21.0			
	-22.5			
	-24.0			
	-25.5			
	-27.0			
	-28.5			

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Six Materials
SW 1/4, SW 1/4, Sec. 15, T 16 N, R 10 W of the 3rd P.M.

Bridge Foundation
Boring Log
Sh. 1 of 2

PROJECT SN 069-0002 Existing
BRIDGE IL 78 over Fork of Indian Creek
Date 05/19/99
ROUTE FAP 614 (IL 78)
Bored By M. Tappan
SEC. 147(RS-5,B-2)
STA. 14+817 +/-
Checked By M. Metcalf

COUNTY Morgan

Boring No. 2 N. Abt
Stg 14+828
O/S 4.0 m Left

El. m	N	Qu kPa	W %
Ground Surface 164.51 0m			
Grey			
Moist			
SILT LOAM (Fill)			
	0		
	1	65	27
-1.5	2	B	
162.8			
Grey			
Moist	0		
SILT LOAM	1	50	27
	1	B	
162.1			
Grey			
V. Moist	0		
SILTY CLAY LOAM	1	30	33
-3.0	1	B	
161.3			
Black			
Moist	0		
CLAY	2	95	28
	3	S-13	
Olive Brown and	0		
Blue Grey	2	95	30
-4.5	2	B	
159.6			
Brown and Grey	0		
V. Moist	1	40	26
SILTY CLAY LOAM	1	B	
Free Water			
Grey	0		
	0	30	27
-6.0	0		
151.4			
Grey			
Medium Grained	0		
Dirty SANDY GRAVEL	3		
next column -13.5	2		

Surf Wat El. 160.61 Grndwater El. at Compl 157.5 At ____ Hrs Pluged	El. m	N	Qu kPa	W %
				2
Grey				
V. Moist				
SILTY CLAY LOAM		0		
		0	40	41
w/ Roots		1	B	
-7.5				
		0		
		0	30	30
		0	B	
		0		
		1	40	26
-9.0		1	B	
Grey				
V. Moist				
SILTY CLAY LOAM		1	40	36
-10.5		1	B	
Grey				
Moist				
SILTY CLAY LOAM		0		
		1	30	28
-12.0		1	B	
Grey				
Medium Grained		0		
Dirty SANDY GRAVEL		1	40	36
Next Column -13.5		1	B	

N 50 mm OD Sampler, Driven 305 mm
63.5Kg Hammer, 760 mm Fall (Fall. B-Bulge S-Shear E-Estimated P-Penetrometer)

Project SN 069-0002
Route FAP 614 (IL 78)
Sec. 147(RS-5,B-1,B-2)
County Morgan

Sh. 2 of 2

Boring No. 2 N. Abt
Stg 14+828
O/S 4.0 m Left

		N	Qu kPa	W %
150.8	-13.5			
Dark Grey				
Dry				
Micaceous				
CLAYEY SHALE				
			100	
			/150mm	9
	-15			
Dark Grey Dry				
Fissle Micaceous				
CLAYEY SHALE			100	
147.9			/150mm	10
Boring Completed	-16.5			
Refer STA to				
STA 14+825 painted on				
road at cL				
STA Increase to North				
Refer Elevation to				
BM # 134 Chisled				
Square in SW WW of				
Existing Structure	-18			
BM # 134 = 164.46m				
	-21			

		N	Qu kPa	W %
	-21			
	-22.5			
	-24			
	-25.5			
	-27			
	-28.5			

SOIL BORING LOGS
IL RTE 78 OVER FORK OF INDIAN CREEK
F.A.P. RTE 614
SECTION 147 (RS-5, B-2)
MORGAN COUNTY
STATION 14+816.75
S.N. 069-0503

DESIGNED JFJ	RANDOLPH & ASSOCIATES, INC.	FILE NUMBER 136.080
CHECKED DDB	411 W. PIONEER PARKWAY, PEORIA, IL 61615-2124 TEL. 309-693-5044 FAX. 309-693-6055 1-800-831-6221 HTTP://WWW.RANDOLPHINC.COM CONSULTING ENGINEERS • LAND SURVEYORS	
DRAWN HLS		DATE Sept. 2001
CHECKED DDB		

23 AUG 102 11:28:10 r:\projects\0136\0136-080 il78\fork of indian creek bridge\design\plan set\12-boringlogs.dgn