F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
853	6B-1	FRANKLIN	44	44
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract #98645

SHEET 18 OF 18

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 2

ILL 14 Over Drummond Branch

Route: FAP 853 (ILL 14 Structure Number: 028-0023 Date: 10/23/2000
Section 6B Bored By: Bryan Keller
County: Franklin Location: 2.4 MI E Benton Checked By: Rob Graeff

Boring No 1-S
Station 17'E of E Abutment
Offset 7' N CL
Ground Surface 99.7 Ft

Surf Wat Elev: 88.3
Ground Water Elevation
when Drilling 85.2
At Completion 54.7
At: Hrs:

Description	Depth	Blow	Qu tsf	W%
Bituminous Pavement over Concrete				
87.7				
Very soft, very moist, brown, Silty Clay A-6		1 WH 1	0.2B	29
95.2				
Soft, very moist, brown, Silty Clay A-6	5.0	1 1 2	0.3B	24
92.7				
Medium, very moist, grey, Silty Clay A-6		1 1 1	0.9S	26
	10.0	WH 1 1	0.6S	28
87.7				
Medium, very moist, brown mottled grey, Silty Clay Loam A-6		2 2 3	0.9B	22
85.2				
Soft to medium, very moist, brown mottled grey, Silty Clay A-6	15.0	1 1 1	0.5B	25
82.7				
Very stiff, moist, brown mottled grey, Silty Clay A7-6		2 4 4	2.4B	18
80.2				
Stiff, moist, brown mottled grey, Silty Clay A7-6	20.0	2 2 3	1.7B	21
77.7				
Very stiff, moist, brown mottled grey, Silty Clay to Clay A7-6		3 5 7	2.1S	20
75.2				
	25.0	2		
Stiff to very stiff, moist, brown mottled grey, Clay to Silty Clay A7-6		3 5	2.0B	20
72.7				
Very stiff, moist, grey, Clay to Silty Clay A7-6		1 3 8	2.7B	20
70.2				
Stiff, moist to very moist, grey, Clay to Silty Clay A7-6	30.0	1 3 3	1.5B	22
		1 3 4	1.1B	23
65.2				
Very stiff, moist, grey, Clay Loam A-6	35.0	7 13 12	2.7S	17
62.7				
Hard, dry, grey mottled brown rotten weathered Clay Loam to Clay Shale A-6		15 100/9"		19
60.2				
Very stiff, damp, grey, Clay Loam A-6 with Fine Sand Seams	40.0	7 15 19	2.6S	16
55.2				
	45.0	4 15 100/6"		
Hard, dry, grey, Clay Shale				
Hard, dry, grey, Clay Shale	50.0	100/6"		

N-Std Pentr Test: 2" OD Sampler,
140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

Sheet 2 of 2
Date: 10/23/2000

Route: FAP 853 (ILL 14)
Section: 6B
County: Franklin

Boring No: 1-S
Station: 17'E of E Abutment
Offset: 7' N CL
Ground Surface: 99.7 Ft

Description	Depth	Blow	Qu tsf	W%
Hard, dry, grey, Clay Shale 44.7	55.0	100/5"		
Bottom of hole = 55.0 feet				
Free water observed at 19.5 feet.				
Elevation referenced to center of existing structure over east abutment; assumed elevation = 100.0 feet.				
To convert "N" values to "N60" values multiply by 1.25	60.0			
	80.0			
	85.0			

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 2

ILL 14 Over Drummond Branch

Route: FAP 853 (Ill 14 Structure Number: 028-0023 Date: 10/23/2000
Section 6B Bored By: Bryan Keller
County: Franklin Location: 2.4 MI E Benton Checked By: Rob Graeff

Boring No 2-S
Station 19'W of W Abutment
Offset 9' S CL
Ground Surface 100.1 Ft

Surf Wat Elev: 88.3
Ground Water Elevation
when Drilling 83.1
At Completion 69.1
At: Hrs:

Description	Depth	Blow	Qu tsf	W%
Bituminous Pavement over Concrete				
98.1				
Medium, moist, brown mottled grey, Silty Clay Loam A-6		1 1 1	0.8S	20
95.6				
Soft, very moist, brown, Silty Clay to Silty Clay Loam A-6	5.0	1 WH 1	0.4B	33
93.1				
Stiff, moist, brown, Silty Clay A-6		5 5 7	1.7S	21
	10.0	2 4 5	1.2S	22
88.1				
Medium, moist, brown, Silty Clay to Silty Clay Loam A-6		1 4 6	0.9S	19
85.6				
Medium, very moist, brown, Silty Clay A-6	15.0	1 1 2	0.6B	22
83.1				
Stiff, very moist, brown mottled grey, Clay to Silty Clay A7-6		1 1 1	1.5B	26
	20.0	1 2 2	1.3B	26
		1 2 1	1.3B	26
	25.0	1		
		2 2	1.3B	22
73.1				
Very stiff, moist, brown mottled grey, Clay to Silty Clay A7-6		2 3 5	2.7B	20
70.6				
Medium, very moist, grey, Clay to Silty Clay A7-6	30.0	2 3 4	0.9B	20
68.1				
Stiff, moist, grey, Silty Clay A7-6		2 3 6	1.4B	17
65.6				
Stiff to very stiff, moist, grey, Silty Clay A7-6	35.0	1 3 5	2.0B	17
63.1				
Very stiff, moist, grey, Clay Loam A-6		2 6 10	2.9S	18
	40.0	4 8 13	3.4S	17
55.6				
Hard, dry, grey, Clay Shale	45.0	31 100/7"		
54.6				
Bottom of hole = 45.7 feet.				
Free water observed at 17.0 feet.				
Elevation referenced to center of existing structure over east abutment; Assumed Elevation = 100.0 feet.				
To convert "N" values to "N60" values multiply by 1.25	50.0			

N-Std Pentr Test: 2" OD Sampler,
140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

REVISIONS	
NAME	DATE

CMT
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO
ROCKFORD, IL ■ PEORIA, IL ■ CHICAGO, IL

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS
F.A.P. ROUTE 853 (IL. RTE. 14)
ILLINOIS ROUTE 14 OVER
DRUMMOND BRANCH
SECTION 6B-1 STA. 149+71.25
STR. NO. 028-0075 - FRANKLIN COUNTY

SCALE: NONE DRAWN BY: GLD
DATE: 6/6/07 CHECKED BY: WLB

L:\DOT\0606EN\SN_0280075\draw\sheets\BORING LOGS.DGN
6/5/2007