ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 885	(107A) B-1	Johnson	38	37
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 15
16 SHEETS

Contract # 98776

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 2

Illinois Route 146 Over Buck Run

Route: ILL 146 Structure Number: 044 0013 Date: 10/15/2002
Section
County: Johnson Location: 1.2 Mi E Union Co Bored By: Bryan Keller
Checked By: Rob Graeff

Boring No 1-S
Station 627+68
Offset 13' LT CL
Ground Surface 386.9 Ft

Surf Wat Elev: 369.3
Ground Water Elevation
when Drilling 352.4
At Completion
At: Hrs:

Description	DEPTH	BLOWS	Qu tsf	W%
Crushed Aggregate				
384.9				
Medium, very moist, brown, Silty Clay A-6 with some gravel		2		
		3	0.9S	22
		3		
	5.0	2		
		1	0.6B	22
		2		
379.9				
Medium to stiff, moist, brown, Silty Clay Loam A-6		1		
		2	1.0S	22
		2		
377.4				
Medium, moist, grey, Silty Clay Loam A-6	10.0	WH		
		2	0.8S	24
		1		
		WH		
		1	0.9S	26
		1		
372.4				
Soft, very moist, grey, Silty Clay Loam A-6	15.0	WH		
		WH	0.3S	29
		WH		
369.9				
Very soft, very moist, grey, Silty Clay Loam A-6		WH		
		WH	0.2B	29
		WH		
367.4				
Medium, very moist, brown mottled grey, Silty Clay Loam A-6	20.0	WH		
		WH	0.7S	28
		WH		
364.9				
Very stiff, moist, grey, Silt Loam to Silty Clay Loam A-6		1		
		3	2.9S	22
		4		
362.4				
	25.0	2		

Description	DEPTH	BLOWS	Qu tsf	W%
Stiff, moist, brown mottled grey, Silt Loam A-4		2	1.4S	23
		2		
359.9				
Stiff, moist, grey, Silt Loam to Silty Clay Loam A-6		2		
		2	1.1S	23
		2		
	30.0	1		
		2	1.6S	24
		2		
354.9				
Soft to medium, very moist, grey, Silty Clay Loam A-6		1		
		WH	0.5B	24
		WH		
352.4				
Very soft, very moist, grey, Silty Clay A-6	35.0	WH		
		WH	0.2B	24
		WH		
349.9				
Stiff, very moist, grey, Silty Clay A-6		1		
		1	1.8S	24
		2		
347.4				
Medium, very moist, grey, Clay A7 6	40.0	WH		
		WH	0.8B	29
		WH		
342.4				
Soft to medium, very moist, grey, Silty Clay A-6	45.0	WH		
		WH	0.5B	30
		WH		
337.4				
	50.0	4		

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: 10/15/2002

Route: ILL 146
Section:
County: Johnson

Boring No: 1-S
Station: 627+68
Offset: 13' LT CL
Ground Surface: 386.9 Ft

Description	DEPTH	BLOWS	Qu tsf	W%
Medium, very moist, grey, Sandy Gravel 47% Sand; 18% Silt 6% Clay; 29% Gravel		5		16
		9		
384.0				
Hard, dry, grey, Clay Shale		3		
		100/7"		
Hard, dry, grey, Clay Shale	50.0			
329.9				
Hard, dry, grey, Limestone with Clay Shale Seams Cored from 57.0 ft to 62.0 ft. 98% Recovery 84% RQD		100/1"		
	60.0			
324.9				
Bottom of hole = 62.0 ft.				
Free water observed at 54.5 ft.				
Elevation referenced to BK W About Sta 627+00 Elev = 387.3 ft.	65.0			
To convert "N" values to "N60" values multiply by 1.2b.				
	70.0			
	70.0			

Description	DEPTH	BLOWS	Qu tsf	W%
	80.0			
	85.0			
	90.0			
	95.0			
	100.0			

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

LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois

Designed By: KHH | Checked By: MTH | Drawn By: AJF
Date: 3/2007 | File: 044-0059.DGN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORINGS-1
ILLINOIS ROUTE 146 OVER
BUCK RUN CREEK
F.A.P. ROUTE 885 - SEC. (107A)B-1
JOHNSON COUNTY
STA. 628+25.00
STRUCTURE NO. 044-0059

8/2/2007 1:52:18 PM ...\044-0059.dgn