ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 322	*	UNION	39	39
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 22
22 SHEETS

* (11-IVB)-1 CONTRACT NO. 98488

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials
Bridge Foundation Boring Log
Sheet 1 of 2

FAP Rte 332 (US 51) Over Drury Creek & ICRR
Route: FAP Route 332 Structure Number: 091-0021 Date: 09/11/2000
Section (11-1VB) DR Bored By: Bryan Keller
County: Union Location: 2.7 Mi S of Jackson/Union Co line Checked By: Rob Graeff

Boring No 3-S
Station 583+11
Offset 10.5' Rt CL
Ground Surface 544.2 Ft

Surf Wat Elev: 497.6
Ground Water Elevation
when Drilling
At Completion
At: Hrs:

DEPTH	BLOW	Qu tsf	W%
Auger suspended through deck			
5.0			
10.0			
15.0			
20.0			
25.0			
30.0			
35.0			
40.0			
502.7 Soft, moist, brown, Silt Loam A-4			
45.0	1 WH	0.4S	18
	1		
497.2 Soft, very moist, brown to grey, Silty Clay to Clay A7-6	1		
	1	0.5P	29
	1		
494.7 Hard, dr, gr, Sandstone	50.0 100/3"		

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

Route: FAP Route 332
Section: (11-1VB) DR
County: Union

Sheet 2 of 2
Date: 09/11/2000

Boring No: 3-S
Station: 583+11
Offset: 10.5' Rt CL
Ground Surface: 544.2 Ft

DEPTH	BLOW	Qu tsf	W%
493.2 Hard, dry, grey, Sandstone			
Cored from 51.0 to 56.0 feet 90% Recovery 55% RQD			
55.0			
488.2 Hard, dry, grey, Sandstone			
Cored from 56.0 to 61.0 feet 78% Recovery 20% RQD			
60.0			
483.2 Cored from 61.0 to 62.5 feet 100% Recovery 67% RQD			
481.7 Hard, dry, grey, Sandstone.			
Cored from 62.5 to 67.5 feet 100% Recovery 87% RQD			
65.0			
476.7 Hard, dry, grey, Sandstone.			
Cored from 67.5 to 71.0 feet 100% Recovery 76% RQD			
70.0			
473.2			
75.0			

DEPTH	BLOW	Qu tsf	W%
80.0			
85.0			
90.0			
Bottom of hole = 71.0 feet No free water observed. Elevation referenced to plans To convert "N"values to "N60" values multiply by 1.25			
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)

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials
Bridge Foundation Boring Log
Sheet 1 of 1

FAP Rte 332 (US 51) Over Drury Creek & ICRR
Route: FAP Route 332 Structure Number: 091-0021 Date: 09/12/2000
Section (11-1VB) DR Bored By: Bryan Keller
County: Union Location: 2.7 Mi S of Jackson/Union Co line Checked By: Rob Graeff

Boring No 4-S
Station 585+56
Offset 12.5' Rt CL
Ground Surface 546.6 Ft

Surf Wat Elev: 497.6
Ground Water Elevation
when Drilling
At Completion 522.1
At: Hrs:

DEPTH	BLOW	Qu tsf	W%
Bituminous Shoulder 545.6			
Hard, moist, brown, Silty Clay A-6 with some Gravel	2 4 6	5.0B	17
542.1 Very stiff, moist, brown, Silty Clay A-6 with some Gravel 5.0	3 4 4	2.5S	17
539.6 Stiff to very stiff, moist, brown to grey, Silty Clay A-6	1 3 4	2.0B	22
537.1 Stiff, moist, brown mottled grey, Silty Clay A-6 10.0	1 2 2	1.4S	21
	2 3 3	1.4B	22
15.0	1 3 3	1.4S	25
529.6 Stiff, moist, brown, Silty Clay Loam A-6	3 5 6	1.5S	23
527.1 Stiff, moist, brown, Silty Clay to Silty Clay Loam A-6 20.0	2 3 3	1.1S	22
523.6 Hard, dry, grey, Sandstone	1 9 100/5"		
25.0	100/2"		

DEPTH	BLOW	Qu tsf	W%
Hard, dry, grey, Sandstone			
Auger refusal at 26.5 feet 520.1			
Bottom of hole = 26.5 feet No free water observed. Elevation referencd to plans To convert "N" values to "N60" values multiply by 1.25			
30.0			
35.0			
40.0			
45.0			
50.0			

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

DESIGNED	GLH
CHECKED	TML
DRAWN	RJN
CHECKED	TML

02/15/2005

BORING LOGS
U.S. ROUTE 51 OVER TRIBUTARY TO
DRURY CREEK AND CN/IC RAILROAD
FAP 322 -SECTION (11-IVB)-1
UNION COUNTY
STATION 583+74.84
STRUCTURE NO. 091-0073