CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	298
STA.		TO STA.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

BORING LOGS

Illinois Department of Transportation

Sh.1 of 1Sh.

PROJECT P-92-096-84 BRIDGE Rock River Date 4/2/87

ROUTE FAU 5822 Milan Beltway Bored By ETI

SEC. 1-3 STA. 375+55 Checked By CB

COUNTY

Boring No. R-14
Station 375+55
Offset 50.L

Surface Water El. 559.7
Groundwater El. at Completion 560.5
After – Hours –

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface 560.7	0			
MUCK: trace vegetation; dark brown & gray; very soft		1		
little sand below 3.5'		2		
	-5	3		
A-8/A-4 555.7		2		
SILTY & SAND: laminated; dark gray; very loose		3		
A-4 & A-3 553.7		7		
SAND: some silt; brown & gray; loose		10		
A-3 552.7	-10	9		
SAND: gray; loose to medium dense		11		
A-3		46		
trace gravel below 11.0'		71		
A-1-b 547.7				
SHALE: dark gray; weathered; soft 546.7	-15			
Boring Terminated at 14.0'				
	-20			
	-35			
	-40			
	-45			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

Illinois Department of Transportation

Sh.1 of 1 Sh.

PROJECT P-92-096-84 BRIDGE Rock River Date 3/23/87

ROUTE FAU 5822 Milan Beltway Bored By ETI

SEC. 1-3 STA. 376+95 Checked By CB

COUNTY Rock Island

Boring No. R-15
Station 376+95
Offset 38'R

Surface Water El. 559.6
Groundwater El. at Completion N/A
After – Hours –

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface Barge Deck 561.2	0			
559.6				
WATER 558.2				
SILT: trace clay, sand, & shells: dark gray to black; loose		2		
grades more clay below 7.0'	-5			
		2		
A-4 552.7				
SAND: fine to medium grained; gray; medium dense	-10	12		
trace fine gravel below 11.0'		10		
		19		
A-3 548.2				
SAND & GRAVEL: very dense		60		
A-1-b 546.7	-15	18		
CLAY SHALE: dark gray; fissile; few soft zones				
BEGIN CORING at 17.5'		38		
Thin beds and soft zones separated during coring	-20			
538.7				
Boring Terminated at 22.5'				

Rock Core 17.5' to 22.5'

Recovery = 76%
RQD est. = <50%

Elevation
-25
-30
-35
-40
-45

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

Illinois Department of Transportation

Sh.1 of 1 Sh.

PROJECT P-92-096-84 BRIDGE Rock River Date 3/19/87

ROUTE FAU 5822 Milan Beltway Bored By ETI

SEC. 1-3 STA. 376+97 Checked By CB

COUNTY Rock Island

Boring No. R-16
Station 376+97
Offset 41'L

Surface Water El. 559.5
Groundwater El. at Completion N/A
After – Hours –

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface Barge Deck 561.0	0			
559.4				
WATER 558.0				
SILT: trace clay, organics, gravel; dark gray to black; loose	-5	1		
A-4 555.0				
SAND: trace clay, organics, & shells; gray; very loose		3		
some silt & organics layers	-10	2		
A-3 549.0				
SAND: medium grained; gray; trace fine gravel; loose		3		
	-15	9		
A-3 544.0				
CLAY SHALE: dark gray to black		91		
		60/7"		
	-20			
	-35			
	-40			
	-45			

Cored 19.6' to 26.5' with poor recovery

Moved rig to boring R-16A & recorded 534.5

Boring Terminated at 26.5'

MOVED HOLE AND RECORDED SEE LOG R-16A FOR DESCRIPTION

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)