CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	296
STA.		TO STA.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

BORING LOGS

Illinois Department of Transportation

Sh.1 of 1 Sh.

PROJECT P-92-096-84 BRIDGE Rock River Date 3/26/87
ROUTE FAU 5822 Milan Beltway Bored By ETI
SEC. 1-3 STA. 372+20± Checked By CB
COUNTY

Boring No. R-9
Station 372+20±
Offset 40'R

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

Elevation	N	Qu t/s.f.	w (%)
Ground Surface (Barge Deck 561.2)	0		
▼ 559.6			
WATER			
-5			
552.3			
SAND: brown; loose	-10 2		
grades gray below 10.0'	2		
A-3 548.7			
SAND AND GRAVEL: medium dense	17		
A-1-b 547.7	60/6"		
BEGIN CORING @ 15.0'.	-15		
CLAY SHALE: dark gray to black; soft; fissile			
-20			

CLAY SHALE (cont)

536.7 -25

Boring Terminated at 24.5'.

Rock Core 15.0' to 24.5'.

RUN #1 15.0' to 20.0'.

Recovery = 84%
RQD = 50%

RUN #2 20.0'

Recovery = 98%
RQD = 72%

-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)

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Illinois Department of Transportation

Sh.1 of 1 Sh.

PROJECT P-92-096-84 BRIDGE Rock River Date 3/24/87
ROUTE FAU 5822 Milan Beltway Bored By ETI
SEC. 1-3 STA. 372+35± Checked By CB
COUNTY

Boring No. R-10
Station 372+35±
Offset 40'L

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

Elevation	N	Qu t/s.f.	w (%)
Ground Surface (Barge Deck 561.2)	0		
▼ 559.6			
WATER			
-5			
553.0			
SAND: brown; very loose	-10 1		
grades loose	1		
A-3 548.2	6		
SAND AND GRAVEL: gray	61		
A-1-b 546.7	-15 33		
BEGIN CORING @ 16.5'.			
CLAY SHALE: gray; soft; fissile			
few sandy laminae			
3" Limestone band @ 17.5'			
-20			
539.7			
Boring Terminated at 21.5'			

Rock Core 16.5' to 21.5'.

Recovery = 72%
RQD = 30%

-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

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Illinois Department of Transportation

Sh.1 of 1 Sh.

PROJECT P-92-096-84 BRIDGE Rock River Date 3/25/87
ROUTE FAU 5822 Milan Beltwsy Bored By ETI
SEC. 1-3 STA. 373+90± Checked By CB
COUNTY

Boring No. R-11
Station 373+90±
Offset 40'R

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

Elevation	N	Qu t/s.f.	w (%)
Ground Surface (Barge Deck 561.2)	0		
▼ 559.6			
WATER			
-5			
554.7			
SILT: dark gray; very soft	1		
A-4 553.7			
SAND: trace shells; gray; loose to medium dense;	-10 7		
little gravel below 12.5'	10		
A-3 547.5	37		
BEGIN CORING @ 15.0'	-15		
CLAY SHALE: dark gray; soft; fissile			
541.2	-20		
Boring Terminated at 20.0'.			

Rock Core 15.0' to 20.0'.

Recovery = 90%
RQD = 90%

-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)

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