CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	297
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 3/23/87
ROUTE FAU 5822 Milan Beltway Bored By ETI
SEC. 1-3 STA. 374+00± Checked By CB
COUNTY

Boring No. R-12
Station 374+00±
Offset 40' L

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				
	-5			
555.7				
SAND: gray; loose to medium dense		6		
		10		
grades greenish gray				
	-10	8		
grades coarse				
A-3 549.2				
SAND & GRAVEL: gray; medium dense to extremely dense (angular limestone A-1-b gravel) 545.7		14		
	-15	100		
BEGIN CORING at 17.0'		47		
CLAY SHALE: dark gray; soft; fissile				
	-20			

Description	Elevation
CLAY SHALE (cont.)	
	-25
534.7	
Boring Terminated at 26.5' (See Boring R12A for Continuation to 35.5')	
	-30
Rock Core 17.0' to 26.5'	
RUN #1 17.0' to 22.0'	
Recovery = 84%	
RQD = 70%	
RUN #2 22.0' to 26.5'	
Recovery = 70%	
RQD = 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 4/1/87
ROUTE FAU 5822 Milan Beltway Bored By ETI
SEC. 1-3 STA. 374+00± Checked By CB
COUNTY

Boring No. R-12A
Station 374+00±
Offset 40' L

Surface Water El. 559.7
Groundwater El. at Completion N/A
After - Hours -

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface Barge Deck 561.3	0			
▼ 559.7				
WATER				
	-5			
555.8				
(NOT SAMPLED SEE R-12 for Soil & Rock Description to 26.5')				
	-10			
	-15			
	-20			
	-25			
534.8				
CLAY SHALE: dark gray; soft; fissile				
	-30			
325.8	-35			
Boring Terminated at 35.5'				
Rock Core 26.5' to 35.5'				
RUN #1 26.5' to 31.5'				
Recovery = 84%				
RQD = 64%				
RUN #2 31.5' to 35.5'				
Recovery = 50%				
RQD = 36%				
	-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 4/2/87
ROUTE FAU 5822 Milan Beltway Bored By ETI
SEC. 1-3 STA. 375+50± Checked By CB
COUNTY

Boring No. R-13
Station 375+50±
Offset 50' R

Surface Water El. 559.7
Groundwater El. at Completion 559.9
After - Hours -

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface 560.7	0			
▼ MUCK: trace vegetation; dark brown & gray; very soft		2		
		3		
few sand lenses below 4.0'				
		2		
grades more clayey below 6.5'				
	-5	2		
		3		
A-8/A-4 533.2		2		
SAND: some silt; gray; loose		9		
grades trace silt below 9.0'	-10	8		
trace gravel below 11.0'		11		
A-3 547.7		24		
SHALE: dark gray 546.7		111		
Boring Terminated at 14.0'	-15			
	-20			
	-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)