CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	295
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 3/30/87

ROUTE FAU 5822 Milan Beltway Bored By ETI

SEC. 1-3 STA. 369+10± Checked By CB

COUNTY

Boring No. R-6
Station 369+10±
Offset 40'L

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

Elevation	N	Qu t/s.f.	w (%)
Ground Surface Barge Deck 561.3	0		
▼ 559.7			
WATER			
551.0	-10		
SAND: fine to coarse; very loose		1	
		2	
	-15	3	
		12	
544.3			
SANDSTONE: w/calcareous bands; weathered 543.3		43	
SILTY SHALE: gray to dark gray fissile w/few calcareous bands	-20		

Elevation	N	Qu t/s.f.	w (%)
SILTY SHALE (cont)			
538.3			
Boring Terminated at 23.0'.			
Rock Core 18.0' to 23.0'.	-25		
Recovery = 50% RQD = 20%	-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 3/27/87

ROUTE FAU 5822 Milan Beltway Bored By ETI

SEC. 1-3 STA. 370+60± Checked By CB

COUNTY

Boring No. R-7
Station 370+60±
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			
551.5	-10		
SAND: brown to gray; very loose some shells		2	
		3	
A-3 546.2	-15	9	
SHALE: soft; gray BEGIN CORING @ 16'		35	
545.2			
SANDSTONE: greenish/gray; weathered 544.4 gravel band @ 16.8'			
interbedded ARGILLACEOUS SANDSTONE & LIMESTONE: soft; gray/green; poorly bedded; 540.2	-20		
Boring Terminated at 21.0'.			

Elevation	N	Qu t/s.f.	w (%)
Rock Core 16.0' to 21.0'.	-25		
Recovery =100% RQD = 70%	-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 3/27/87

ROUTE FAU 5822 Milan Beltway Bored By ETI

SEC. 1-3 STA. 570+65± Checked By CB

COUNTY

Boring No. R-8
Station 570+65±
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			
551.7	-10	4	
SAND: brown; loose		8	
A-3 548.2		25	
SANDY SHALE: soft & poorly indurated; greenish/gray; indistinct bedding	-15	60/6"	
grades silty partly washed away during drilling few thin limestone bands below 18.0'			
541.7			
LIMESTONE: hard; light gray to gray; chaotic bedding; numerous fractures are near vertical & partly open & healed	-20		

Elevation	N	Qu t/s.f.	w (%)
LIMESTONE (cont)			
grades darker gray & vuggular below 22.0' w/calcite & pyrite infilling	-25		
534.2			
Boring Terminated at 27.0'.	-30		
Rock Core 16.0' to 27.0'.			
RUN #1 15.0' to 19.0'.			
Recovery = 50% RQD = 22%			
RUN #2 19.0' to 22.0'.	-35		
Recovery = 70% RQD = 47%			
RUN #3 22.0' to 27.0'.			
Recovery = 80% RQD = 56%	-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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