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			
-5			
551.0 -10			
SAND: fine to coarse; very loose	1		
	2		
-15	3		
	12		
544.3	43		
SANDSTONE: w/calcareous bands; weathered 543.3			
SILTY SHALE: grey 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'.			
-25			
Rock Core 18.0' to 23.0'.			
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			
-5			
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'			
545.2	35		
SANDSTONE: greenish/gray; weathered 544.4 gravel band @ 16.8'			
interbedded ARGILLACEOUS SANDSTONE & LIMESTONE: soft; gray/green; poorly bedded; -20 540.2			
Boring Terminated at 21.0'.			

Elevation	N	Qu t/s.f.	w (%)
Rock Core 16.0' to 21.0'.			
Recovery =100% RQD = 70%			
-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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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			
-5			
551.7 -10	4		
SAND: brown; loose			
A-3 548.2	8		
SANDY SHALE: soft & poorly indurated; greenish/gray; indistinct bedding	25		
grades silty -15	60/6"		
partly washed away during drilling			
few thin limestone bands below 18.0'			
541.7			
LIMESTONE: hard; light gray to gray; chaotic bedding; -20			
numerous fractures are near vertical & partly open & healed			

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%			
-35			
RUN #2 19.0' to 22.0'.			
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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