

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	294
STA.		TO STA.		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

# BORING LOGS



PROJECT P-92-096-84 BRIDGE Rock River Date 3/31/87 Sh.1 of 1 Sh.  
 ROUTE FAU 5822 Milan Beltway Bored By ETI  
 SEC. 1-3 STA. 367+30 Checked By CB

COUNTY		Surface Water El.		Groundwater El. at Completion		Groundwater El. After _____ Hours	
Elevation	N	Qu	W (%)	Elevation	N	Qu	W (%)
559.7				N/A			
551.3							
546.3							
545.6							
539.3							

Ground Surface Barge Deck 561.3  
 WATER 559.7  
 SAND: brown; very loose  
 GRAVEL: dense A-1-b  
 SILTY SHALE: dark gray; fissile  
 Boring Terminated at 22.0'

Rock Core 17.0' to 22.0'.  
 Recovery = 88%  
 RQD = 88%

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 - 1/2"  
 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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PROJECT P-92-096-84 BRIDGE Rock River Date 3/31/87 Sh.1 of 1 Sh.  
 ROUTE FAU 5822 Milan Beltway Bored By ETI  
 SEC. 1-3 STA. 367+50 Checked By CB

COUNTY		Surface Water El.		Groundwater El. at Completion		Groundwater El. After _____ Hours	
Elevation	N	Qu	W (%)	Elevation	N	Qu	W (%)
559.8				N/A			
551.5							
546.3							
541.0							

Ground Surface Barge Deck 561.3  
 WATER 559.8  
 few limestone bands  
 SILTY SHALE: dark gray; fissile; few carbonaceous partings  
 Boring Terminated at 26.5'.  
 Rock Core 16.5' to 26.5'.  
 RUN #1 16.5' to 21.5'  
 Recovery = 90%  
 RQD = 70%  
 RUN #2 21.5' to 26.5'  
 Recovery = 100%  
 RQD = 70%  
 SAND: fine, brown; very loose  
 A-3  
 CLAY SHALE: dark gray to black; fissile  
 SILTY SHALE: gray/green; thin, chaotic bedding

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 - 1/2"  
 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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PROJECT P-92-096-84 BRIDGE Rock River Date 3/30/87 Sh.1 of 1 Sh.  
 ROUTE FAU 5822 Milan Beltway Bored By ETI  
 SEC. 1-3 STA. 369+95 Checked By CB

COUNTY		Surface Water El.		Groundwater El. at Completion		Groundwater El. After _____ Hours	
Elevation	N	Qu	W (%)	Elevation	N	Qu	W (%)
559.7				N/A			
551.3							
545.3							
540.5							
540.1							

Ground Surface Barge Deck 561.3  
 WATER 559.7  
 thin, chaotic bedding  
 SILTY SHALE: gray; thinly bedded  
 Boring Terminated at 26.0'.  
 Rock Core 17.0' to 26.0'.  
 RUN #1 17.0' to 22.0'.  
 Recovery = 80%  
 RQD = 46%  
 RUN #2 22.0' to 26.0'.  
 Recovery = 100%  
 RQD = 70%  
 SAND: brown and gray; very loose  
 grades medium dense  
 CLAY SHALE: dark gray; fissile  
 few calcareous inclusions below 18.0'  
 LIMESTONE: few shaley inclusions  
 SILTY SHALE: gray/green;

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 - 1/2"  
 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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