

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	298
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

BORING LOGS



PROJECT P-92-096-84 BRIDGE Rock River Date 4/2/87 Sh.1 of 1 Sh.
 ROUTE FAU 5822 Milan Beltway Bored By ETI
 SEC. 1-3 STA. 375+55 Checked By CB

Boring No.	Station	Offset	Elevation	N	Qu	U/s.f.	w (%)	Surface Water El.	Groundwater El. at Completion	After Hours	Elevation	N	Qu	U/s.f.	w (%)
R-14	375+55	50.L	560.7					559.7	560.5						
Ground Surface 560.7															
MUCK: trace vegetation; dark brown & gray; very soft															
little sand below 3.5'															
A-8/A-6 555.7															
SILTY & SAND: laminated; dark gray; very loose															
A-4 & A-3 553.7															
SAND: some silt; brown & gray; loose															
A-3 552.7															
SAND: gray; loose to medium dense															
A-3															
trace gravel below 11.0'															
A-1-b 547.7															
SHALE: dark gray; weathered; soft															
546.7															
Boring Terminated at 14.0'															

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/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) 7-58



PROJECT P-92-096-84 BRIDGE Rock River Date 3/23/87 Sh.1 of 1 Sh.
 ROUTE FAU 5822 Milan Beltway Bored By ETI
 SEC. 1-3 STA. 376+95 Checked By CB

Boring No.	Station	Offset	Elevation	N	Qu	U/s.f.	w (%)	Surface Water El.	Groundwater El. at Completion	After Hours	Elevation	N	Qu	U/s.f.	w (%)
R-15	376+95	38'R	561.2					559.6	N/A						
Ground Surface Barge Deck 561.2															
WATER 559.6															
SILT: trace clay, sand, & shells; dark gray to black; loose															
grades more clay below 7.0'															
A-4 552.7															
SAND: fine to medium grained; gray; medium dense															
trace fine gravel below 11.0'															
A-3 548.2															
SAND & GRAVEL: very dense															
A-1-b 546.7															
CLAY SHALE: dark gray; fissile; few soft zones															
BEGIN CORING at 17.5'															
Thin beds and soft zones separated during coring															
538.7															
Boring Terminated at 22.5'															

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/sf
 w - Water Content - percentage of oven dry weight-%
 Type failure:
 B - Bulge Failure
 S - Shear Failure
 E - Estimated Value
 P - Penetrometer
 Recovery = 76%
 RQD est. = <50%
 Rock Core 17.5' to 22.5'
 BD 137 (Rev. 4-78) 7-59



PROJECT P-92-096-84 BRIDGE Rock River Date 3/19/87 Sh.1 of 1 Sh.
 ROUTE FAU 5822 Milan Beltway Bored By ETI
 SEC. 1-3 STA. 376+97 Checked By CB

Boring No.	Station	Offset	Elevation	N	Qu	U/s.f.	w (%)	Surface Water El.	Groundwater El. at Completion	After Hours	Elevation	N	Qu	U/s.f.	w (%)
R-16	376+97	41'L	561.0					559.5	N/A						
Ground Surface Barge Deck 561.0															
WATER 559.4															
SILT: trace clay, organics; gravel; dark gray to black; loose															
A-4 555.0															
SAND: trace clay, organics, & shells; gray; very loose															
some silt & organics layers															
A-3 549.0															
SAND: medium grained; gray; trace fine gravel; loose															
A-3 544.0															
CLAY SHALE: dark gray to black															

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/sf
 w - Water Content - percentage of oven dry weight-%
 Type failure:
 B - Bulge Failure
 S - Shear Failure
 E - Estimated Value
 P - Penetrometer
 Cored 19.6' to 26.5' with poor recovery
 Moved rig to boring R-16A & recorded
 Boring Terminated at 26.5'
 MOVED HOLE AND RECORDED SEE LOG R-16A FOR DESCRIPTION
 BD 137 (Rev. 4-78) 7-60