

BORING LOGS

CONTRACT NO. 64647				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	293
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ILLINOIS DEPARTMENT OF TRANSPORTATION
 District Two Materials
 S. Moline Twp. - Sec. 18 - T17N, R1W

Units: English
 Bridge Foundation
 Boring Log

PROJECT P-92-096-84 BRIDGE Milan Beltway Date 4/1/87 Sh. 1 of 1
 ROUTE FAU 5822 Milan Beltway Bored By ETI
 SEC. 1-3 STA. 366+00± Checked By CB

DEPTH	DESCRIPTION	QU	W	REMARKS
0	Ground Surface 561.2			
0.2	VERY SOFT brown SILTY LOAM	43		
1	First Encounter V SOFT brown SILTY LOAM	41		
1	LOOSE dirty gray coarse grained SAND with ORGANICS			
3	Same as above			
2	LOOSE tan coarse grained SAND			
3	Same as above			
28	Begin Wash VERY DENSE black SHALE			1st 5' Core Run 100% Recovery black shale
40	Same as above			
22	Same as above			2nd 5' Core Run 100% Recovery black shale
100/6"	VERY DENSE gray SHALE			
100/7"	VERY DENSE gray SHALE			

PROJECT P-92-096-84 BRIDGE Rock River Date 4/1/87 Sh. 1 of 1 Sh.
 ROUTE FAU 5822 Milan Beltway Bored By ETI
 SEC. 1-3 STA. 366+00± Checked By CB

DEPTH	DESCRIPTION	ELEVATION	N	QU	W	REMARKS
0	Ground Surface Barge Deck 561.3					
0	WATER	559.7				
0	SILTY: trace sand; greenish gray; very loose/soft	557.7	2			
4	A-4 SAND: brown and gray; medium dense	552.8	15			Rock Core 13.5' to 23.5' RUN #1 13.5' to 18.5' Recovery = 90% RQD = 90%
15	A-3 CLAY SHALE: dark gray to gray; soft; fissile	548.8	76			Rock Core 13.5' to 23.5' RUN #2 18.5' to 23.5' Recovery = 92% RQD = 84%
15		548.8				
20		543.3				
20		542.8				
20		538.0				

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DEPTH	DESCRIPTION	ELEVATION	N	QU	W	REMARKS
0	Ground Surface Barge Deck 561.3					
0	WATER	559.7				
0	SILT: greenish gray; very loose/soft	557.6	2			
2	A-4 SAND: fine-to medium grained; medium dense	551.8	6			Rock Core 13.5' to 18.5' Recovery = 92% RQD = 68%
35	A-3 SILTY SHALE: dark gray; fissile	548.8	327			
35		543.3				
35		542.8				
35		538.0				
40		538.0				
40		538.0				
45		538.0				

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

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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

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