

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
FAP 301	177-2	STEPHENSON	386	186
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

Contract No. 64799

BORING LOG B-10

Sheet 1 of 2

BRIDGE FOUNDATION BORING LOG

PROJECT P-92-013-7h BRIDGE over Pecatonica River Date 12-22-75
 ROUTE PA 401 Pier # 8, Bound Lane Bored By R. Burrell
 SEC 177-2B STA. 539+00 Checked By R. Willson
 COUNTY Stephenson

Elevation	N	Q _u /t _u	W	Surface Water El.	Elevation	N	Q _u /t _u	W
Ground Surface 751.0				Groundwater El. at Completion 751.0				
Medium Brown Silt Loam	8	1.1	P5	After Hours				
Stiff Brown	8							
Same As Above	8	1.7	P4					
Dry Brown Sand (loose)	4							
Fluid Brown Sand	1							
Same As Above	2							
Same As Above	1							
Same As Above	1							
Very Loose Brown Sand with Sparse Gravel	3							
Ground Surface 751.0								
Medium Tan Sand with Small Gravel	21							
Same As Above	25							
Same As Above	50.3							
Same As Above	39							
Very Dense Tan Sand & Gravel (fine)	100		12" pen.					
Same As Above	86							
Very Dense Tan Sand & Gravel with Fractured Limestone	100		5" pen.	702.0				
End of Boring	60.2							

BORING LOG B-11

BRIDGE FOUNDATION BORING LOG

PROJECT P-92-013-7h BRIDGE over Pecatonica River Date 12-22-75
 ROUTE PA 401 Pier # 6 Bored By R. Burrell
 SEC 177-2B STA. Bridge Sta. 539+00 Checked By R. Willson
 COUNTY Stephenson

Elevation	N	Q _u /t _u	W	Surface Water El.	Elevation	N	Q _u /t _u	W
Ground Surface 701.0				Groundwater El. at Completion 751.0				
Medium, Dk. Brown Silt Loam (1' of frost)	15	1.3	P8	After Hours				
Firm, Dk. Brown Silt Loam	27	3.2	P0					
Medium Moist, Dk. Brown Silt Loam (more sand)	37	1.0	P1					
Soft, Dk. Brown, Silt Loam (moist)	4	.3	P3					
Medium, Dk. Brown Silty Clay (sand tracer)	10	1.2	P0					
Same As Above	1	1.0	P0					
Loose, Gray Sand with Silt	5							
Same As Above	4							
Loose, Gray Sand	7							

N-Standard Penetration Test - Blows per foot to drive 2"
 O.D. Split Spoon Sampler 12" with 140# hammer falling 30"
 Qu-Unconfined Compressive Strength - 1/4"
 w-Water Content - percentage of oven dry weight - %
 Type failure:
 B-Bulge Failure
 S-Shear Failure
 E-Estimated Value
 P-Penetrometer

BORING LOG B-12

BRIDGE FOUNDATION BORING LOG

PROJECT P-92-013-7h BRIDGE over Pecatonica River Date 12-22-75
 ROUTE PA 401 Pier # 7 Westbound Bored By R. Burrell
 SEC 177-2B STA. 539+00 Checked By R. Willson
 COUNTY Stephenson

Elevation	N	Q _u /t _u	W	Surface Water El.	Elevation	N	Q _u /t _u	W
Ground Surface 760.0				Groundwater El. at Completion 751.0				
Medium, Dk. Brown Silty Clay Loam (slightly organic)	9	.7	P7	After Hours				
Medium, Moist, Dk. Brown Silty Clay Loam	7	1.0	P8					
Medium Brown Sand Loam	6	.6	P8					
Loose, Dirty Brown Sand (moist)	6							
Same As Above	4							
Same As Above	1							
Same As Above	3							
Same As Above	3							
Ground Surface 745.0								
Medium Tan Sand with Sparse Gravel	16							
Same As Above	27							
Same As Above	50.7							
Same As Above	36							
Very Dense Tan Sand & Gravel (uniform)	77							
Same As Above	61							
Same As Above	66			701.0				
End of Boring	44.7							

T:\16814A\Struct\Cadd\Prefinal\US20 Bridge 089-0082 (Pecatonica River Bridge)\000000-64799-000-046.dgn
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BORING LOGS IV
 F.A.P. ROUTE 301 SECTION 177-2B-1
 STEPHENSON COUNTY
 STATION 540+65.71
 STRUCTURE NO. 089-0082

