ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 301	177-2	STEPHENSON	386	187
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 47
47 SHEETS

Contract No. 64799

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOG B-13

BRIDGE FOUNDATION BORING LOG

PROJECT P-92-013-74
ROUTE FA 401
SEC. 177-2B
COUNTY Stephenson
Boring No. B-13
Station 541+11
Offset 44' Lt

BRIDGE over Pecatonica River
Pier #4 Westbound
STA. 539+00

Date 1-13-76
Bored By R. Burnell
Checked By R. Wildman

Surface Water El.
Groundwater El. at Completion 759.0 wash
After ___ Hours

Description	Elevation	N	Qu t/s.f.	w (%)	Description	Elevation	N	Qu t/s.f.
Ground Surface 760.0	0							
Medium, Dk. Brown Silty Loam (organic)		8	B 1.1	32	Medium Tan Sand with Sparse Gravel (chirt)		12	
						-25		
Same As Above		6	P .8	27	Medium Tan Sand & Sparse Gravel with Small Lenses		21	
	-5							
Stiff, Dk. Brown Silty Clay Loam		7	S 1.6	27	Same As Above 4" gravel		41	
						-30		
Soft, Moist Dk. Brown Silty Loam		5	.6	26	Dense Tan Sand with Small Gravel		47	
	-10							
Soft Moist Dk. Brown Silty Loam with Sand Lenses		7	.5	27	Same As Above		42	
						-35		
747.0 Loose Clean Brown Sand		10			Medium Tan Sand with Small Silt Lenses		21	
	-15							
Same As Above		7	WASH		Same As Above		10	
						-40		
Same As Above		6			Loose Tan Sand		6	
	-20							
Same As Above		9			Very Loose Tan Sand with Small Amount of Silt		2	
						-45		
Ground Surface 45.0								
Loose, Gray Sand (coarse)		7						
						-25		
Loose, Coarse Gray Sand with Sparse Limestone Gravel		10						
50-5								
Medium Gray Sand & Gravel		19						
						-30		
Dense Tan to Gray Sand & Gravel		45						
55-10								
Same As Above Very Dense		61						
						-35		
Very Dense Tan Sand & Gravel with fractured decayed Limestone 701.0		100			100 Blows 11" pen.			
End of Boring 60-15								

BORING LOG B-14

BRIDGE FOUNDATION BORING LOG

PROJECT P-92-013-74
ROUTE FA 401
SEC. 177-2B
COUNTY Stephenson
Boring No. B-14
Station 544+73
Offset 44' Rt

BRIDGE over Pecatonica River
E. Bound Abutment
STA. 539+00

Date 1-14-76
Bored By R. Burnell
Checked By R. Wildman

Surface Water El.
Groundwater El. at Completion 744.0 wash
After ___ Hours

Description	Elevation	N	Qu t/s.f.	w (%)	Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface 754.0	0								
Medium Dk. Brown Silty Clay Loam		8	P 1.0	27	Medium Clean Tan Sand with Sparse Gravel		10		
						-25			
Medium Dk. Brown Silty Clay Loam with Small Sand Lenses		6	P 1.2	29	Same As Above		14		
	-5								
Medium Dk. Brown Silt Loam		3	P .8	31	Same As Above		17		
						-30			
Same As Above		5	P 1.0	35	Medium Tan Sand		15		
	-10								
Very Soft, Greenish Silt (moist)		1	E 0.2	33	Same As Above		8		
						-35			
Very Soft, Grayish Green Sandy Silt		1	E 0.1	24	Medium Tan Sand with Small Gravel		18		
739.0	-15								
Fluid Dirty Gray Sand		1	WASH		Same As Above		24		
						-40			
Very Loose, Gray Sand		3			Medium Tan Sand & Gravel		25		
	-20								
Same As Above		6			Same As Above 710.0		27		
					End of Boring	-45			

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 – t/sf

w – Water Content – percentage of oven dry weight – %.

Type failure:
B – Bulge Failure
S – Shear Failure
E – Estimated Value
P – Penetrometer

BORING LOGS V
F.A.P. ROUTE 301 SECTION 177-2B-1
STEPHENSON COUNTY
STATION 540+65.71
STRUCTURE NO. 089-0082

PARSONS BRINCKERHOFF

T:\16814A\Struct\Cadd\Prefinal\US20 Bridge 089-0082 (Pecatonica River Bridge)\000000-64799-000-000-047.dgn
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