STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 301	177-2	STEPHENSON	386	185
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 45
47 SHEETS

Contract No. 64799

BORING LOG B-7

BRIDGE FOUNDATION BORING LOG

PROJECT P-92-013-74 | BRIDGE over Pecatonica River, W. Bound Pier #6 | Date 12-16-75
ROUTE FA 401 | Bored By R. Burnell
SEC. 177-2B | STA. 539+00 | Checked By R. Wildman
COUNTY Stephenson
Boring No. B-7, Station 543+33, Offset 44' Lt
Surface Water El. ——; Groundwater El. at Completion 751.0; After —— Hours wash

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface 759.0	0			
Medium Brown Silty Clay Loam (organic)		11	P 1.0	34
Stiff, Brown Silt Loam		9	S 2.1	23
	-5			
Soft, Brown Sandy Loam (dry)		7	.7	17
751.0 ▽				
Fluid Brown Sand with Silty Clay Lenses		4		
	-10			
Fluid Brown Sand		1		
Same As Above		1		
	-15			
Same As Above		3		
Same As Above		3		
	-20			
Soft, Brown Sand with Small Gravel		8		

Description	Elevation	N	Qu t/s.f.	w (%)
Same As Previous		6		
	-25			
Medium Grey Coarse Sand & Fine Gravel with clay till lenses		18		
Same As Above		21		
	-30			
Medium Tan & Sand & Gravel		30		
Same As Above		32		
	-35			
Medium Tan Sand with Sparse Gravel		33		
Medium Tan Sand & Gravel		25		
	-40			
Same As Above		2?		
Same As Above 715.0		3?		
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 LOG B-8

BRIDGE FOUNDATION BORING LOG

PROJECT [illegible] | BRIDGE FA 401, Pecatonica River | Date [illegible]
ROUTE FA 401 | Bored By D. Grow
SEC. 177-2B | STA. W.Abut. Westbound Lane | Checked By R. Wildman
COUNTY Stephenson
Boring No. B-8, Station 536+69, Offset 44' Lt
Surface Water El. ——; Groundwater El. at Completion wash; After —— Hours

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface 758.0	0			
Stiff, Brown Sandy Clay Loam		8	S 1.8	
Very Stiff, Brown Sandy Clay Loam 754.0		7	S 2.3	19
	-5			
Soft, Brown Sandy Loam 752.0		5	S .4	12
Very Loose, Brown Sand, Dirty Free Water in Spoon		3		
	-10			
Soft, Brown Sand		7		
Very Soft, Brown Sand		3		
	-15			
Same As Above		3		
Soft, Gray Sand & Gravel		4		
738.0	-20			
Dense, Grayish Sand & Gravel		42		

Description	Elevation	N	Qu t/s.f.	w (%)
Dense, Brown Sand		36		
	-25			
Same As Above, Some Gravel		41		
Medium Brown Sand & Gravel		26		
	-30			
Dense Brown Sand		33		
Medium Brown Sand		26		
723.0	-35			
Very Dense, Brown to Lt. Gray Limestone Highly Decayed		59		
Very Dense Limestone 719.0		100"		
Auger Refusal Limestone	-40			
	-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 LOG B-9

Sheet 1 of 2

BRIDGE FOUNDATION BORING LOG

PROJECT P-92-013-74 | BRIDGE over Pecatonica River, Pier #5 Eastbound Lane | Date 12-19-75
ROUTE FA 401 | Bored By R. Burnell
SEC. 177-2B | STA. 539+00 | Checked By R. Wildman
COUNTY Stephenson
Boring No. B-9, Station 542+73, Offset 44' Rt
Surface Water El. ——; Groundwater El. at Completion 748.0; After —— Hours wash

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface 757.0	0			
Medium, Brown Silty Loam		11	P .9	21
Very Stiff, Brown Silty Loam		9	S 2.7	21
752.0	-5			
Medium Brown Sandy Loam		5	1.3	26
Same As Above (soft) ▽		5	.4	19
747.0	-10			
Loose, Brown Sand		5		
Fluid Brown Sand		2		
	-15			
Same As Above		3		
Loose, Brown Sand Small Sparse Gravel		5		
	-20			
Very Loose, Brown Sand		4		

Description	Elevation	N	Qu t/s.f.	w (%)
Very Loose, Brown Sand		4		
	-25			
Medium Tan Sand 1" gravel		20		
Dense Tan Sand & Gravel		43		
	-30			
Medium Tan Sand with small silt lenses		19		
Same As Above		15		
	-35			
Medium Tan Sand		19		
Medium Tan Sand with silt lenses with organic layers		23		
	-40			
Medium Tan Sand and Gravel		21		
Same As Above		20		
	-45			

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface [illegible]	0			
Medium Tan Sand		26		
Medium Tan Sand with sparse Gravel		37		
	50 -5			
Same As Above		41		
Dense Tan Sand & Gravel 703.5		100		
10" pen. 703.0				
Dense Tan Sand with Fractured Limestone				
End of Boring	55 -10			

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

PARSONS BRINCKERHOFF

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