

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department
of Transportation.

Bridge Foundation
Boring Log

W&Sec. 1, T. 9 N., R. 3 E., 3rd PM Sh. 1 of 3 Sh
ECT BRIDGE Thompson Mill Covered Bridge Date May 14, 1985
TE TR 389 replacement structure over Bored By Winschief
Kaskaskia River
100 BR STA Checked By TGB

Elevation	N	Qu t/s.f.	w (%)	Surface Water El.		Elevation	N	Qu t/s.f.	w (%)
				Groundwater El. at Completion	WASH BORED After Hours				
Ground Surface 520.4									
				COARSE SAND	497.4				
				MEDIUM GRAY SAND	494.4	-25	13		
				BROWN SILTY CLAY LOAM-SAND LOAM ALLUVIUM		100	4	13	25
513.4				GRAY SHALE BED ROCK		100	4	13	11
						100	4	13	11
				BROWN SAND-SAND LOAM ALLUVIUM		100	4	13	11
509.4						100	4	13	11
				BROWN SILTY CLAY LOAM-SAND LOAM ALLUVIUM (Free H ₂ O)	506.9	100	4	13	11
				LIMIT OF BORING					
				FINE-MEDIUM GRAY SAND					
				w/Buried Log					
501.9									
				MEDIUM GRAY SAND	499.4				
				COARSE GRAY SAND w/fine gravel					

- Standard Penetration Test - Blows per foot to drive 2" J.D. Split Spoon Sampler 12" with 40 No. hammer falling 30".

Qu - Unconfined Compressive Strength - t/sf

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

w - Water Content - percentage of oven dry weight, %

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Illinois Department
of Transportation.

Bridge Foundation
Boring Log

Thompson Mill Covered Bridge Replacement Date May 14, 1985 Sh. 2 of 3 Sh
JECT BRIDGE Bridge Replacement Date May 14, 1985
TE TR 389 Structure over Kaskaskia River Bored By Winschief
100 BR STA Checked By TGB

Elevation	N	Qu t/s.f.	w (%)	Surface Water El.		Elevation	N	Qu t/s.f.	w (%)
				Groundwater El. at Completion	WASH BORED After Hours				
Ground Surface 520.6									
				MEDIUM-COARSE GRAY SAND					
				BROWN SILTY CLAY LOAM ALLUVIUM	493.6	-25	13		
						100	4	13	27
-514.6						100	4	13	27
				BROWN SILTY CLAY LOAM-SILT LOAM ALLUVIUM		100	4	13	27
509.6						100	4	13	27
				FINE BROWN SAND (Free H ₂ O)					
						100	4	13	27
503.6						100	4	13	27
				MEDIUM-FINE GRAY SAND	499.6				
				MEDIUM-COARSE GRAY SAND					

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 - t/sf

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

w - Water Content - percentage of oven dry weight, %

NOTE:
SOIL BORING INFORMATION ON THIS SHEET IS FOR REFERENCE ONLY, AND IS TAKEN FROM THE 1987 PLANS FOR THE ADJACENT TR 389 BRIDGE, LOCATED ABOUT 150 FEET UPSTREAM FROM THE COVERED BRIDGE.

Illinois Department
of Transportation.

Bridge Foundation
Boring Log

Thompson Mill Covered Bridge Replacement Structure over Kaskaskia River Date May 14, 1985 Sh. 3 of 3 Sh
JECT BRIDGE Thompson Mill Covered Bridge Replacement Structure over Kaskaskia River Date May 14, 1985
TE TR 389 Kaskaskia River Bored By Winschief
100 BR STA Checked By TGB

Elevation	N	Qu t/s.f.	w (%)	Surface Water El.		Elevation	N	Qu t/s.f.	w (%)
				Groundwater El. at Completion	DRY After Hours				
Ground Surface 575.0									
				BROWN SILT LOAM					
				BROWN GRAY SANDY CLAY LOAM TILL	573.0	-25	13		
						100	4	13	7.5
				RED BROWN SILTY CLAY LOAM-CLAY LOAM		11	25	4	18
567.5						100	4	13	18
						100	4	13	18
				BROWN SANDY CLAY LOAM TILL					
						100	4	13	18
				COARSE BROWN SANDY LOAM-LOAM					
						100	4	13	18
				(Free H ₂ O)					
						100	4	13	19
				GRAY SHALE BEDROCK	537.5				
						100	4	13	19
						100	4	13	19
				LIMIT OF BORING	534.5				
						100	4	13	19
				LIMIT OF BORING					
						100	4	13	19
						100	4	13	19

N - Standard Penetration Test - Blows per foot to drive 2" J.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu - Unconfined Compressive Strength - t/sf

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

w - Water Content - percentage of oven dry weight, %

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Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: IDOT DRAWN: PTR
CHECKED: DCD CHECKED: DCD

SOIL BORINGS (3 OF 4)
THOMPSON MILL COVERED BRIDGE OVER
KASKASKIA RIVER
STRUCTURE NO. 087-0019

SHEET	T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11 OF 12	389A	D-7 Bridge Appr. 2009-1	SHELBY	14	13
		STA. 50+00	CONTRACT NO. 74337		
		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		