

STATE OF 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				
Ground Surface 520.4									
				COARSE SAND	497.4				
				MEDIUM GRAY SAND	494.4	-25	13		
				BROWN SILTY CLAY LOAM-SAND LOAM ALLUVIUM					
				GRAY SHALE BED ROCK					
				BROWN SAND-SAND LOAM ALLUVIUM					
				BROWN SILTY CLAY LOAM-SAND LOAM ALLUVIUM (Free H ₂ O)	506.9				
				FINE-MEDIUM GRAY SAND					
				MEDIUM GRAY SAND					
				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
w - Water Content - percentage of oven dry weight.
Type failure: B - Bulge Failure S - Shear Failure E - Estimated Value P - Penetrometer



Bridge Foundation
Boring Log

Thompson Mill Covered Bridge Replacement Sh. 2 of 3 Sh
ECT BRIDGE Bridge Replacement Date May 14, 1985
TE TR 389 Structure over Kaskaskia River 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				
Ground Surface 520.6									
				MEDIUM-COARSE GRAY SAND					
				BROWN SILTY CLAY LOAM ALLUVIUM	493.6	-25	13		
				BROWN SILTY CLAY LOAM-SILT LOAM ALLUVIUM					
				GRAY SHALE BED ROCK					
				FINE BROWN SAND (Free H ₂ O)					
				MEDIUM-FINE GRAY SAND					
				MEDIUM-COARSE GRAY SAND					

-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
w - Water Content - percentage of oven dry weight.
Type failure: B - Bulge Failure S - Shear Failure E - Estimated Value P - Penetrometer

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.



Bridge Foundation
Boring Log

Thompson Mill Covered Bridge Replacement Structure over Kaskaskia River Sh. 3 of 3 Sh
ECT BRIDGE Bridge Replacement 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	DRY				
Ground Surface 575.0									
				BROWN SILT LOAM	573.0				
				BROWN GRAY SANDY CLAY LOAM TILL		-25	88	10+	7.5
				RED BROWN SILTY CLAY LOAM-CLAY LOAM					
				BROWN SANDY CLAY LOAM TILL					
				COARSE BROWN SANDY LOAM-LOAM					
				GRAY SHALE BED ROCK					
				MEDIUM-COARSE GRAY SAND					

-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
w - Water Content - percentage of oven dry weight.
Type failure: B - Bulge Failure S - Shear Failure E - Estimated Value P - Penetrometer



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

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