

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
FAP 769	110B-2	MACOUPIN	98	77
FED. ROAD DIST. NO. 7				ILLINOIS
FED. AID PROJECT				38 SHEETS

Contract #72813

Illinois Department of Transportation
Division of Highways
District - Materials

SOIL BORING LOG

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Date 3/27/07

ROUTE FA 769 (L 10B) DESCRIPTION East Pier over Macoupin Creek LOGGED BY M. Tappan

SECTION 110B-2 LOCATION NE 1/4, SEC. 35, TWP. 10N, R1G. 7W, 3 PM

COUNTY Macoupin DRILLING METHOD JSA HAMMER TYPE MDR Auto

STRUCT. NO. 059-0509 Pt
Station 104+41

BORING NO. B4 Pier #3
Station 105+26
Offset 23.07 ft
Ground Surface Elev. 559.8 ft

SOIL DESCRIPTION	DEPTH (ft)	TESTS	REMARKS
LT Brown V. MOIST SAND LOAM	0 - 1		
	1 - 3	0.5 IS 5-10	
Brown Wet Med SAND Free Water	3 - 5		
Brown Dirty Med SAND	5 - 7		
Brown Dirty Coarse SAND w/ some Pea Gravel	7 - 10		
Brown Med SAND	10 - 12		
Brown Dirty Med to Coarse SAND w/ some Pea Gravel	12 - 15		
Gray Well Indurated Crystalline LIMESTONE	15 - 100		
Borehole continued with rock cutting.	100 - 200		

Surface Water Elev. 549.6 ft
Stream Bed Elev. 545.3 ft
Groundwater Elev. 555.3 ft
First Encounter Cored ft
Upon Completion Cored ft
After 14 Days Hrs. 554.8 ft

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B)-Dulge, S-Shear, P-Pneumometer, E-Estimated
Abbreviations W.D.H. - Sampler Advanced By Weight of Hammer, W.O.P. - Advanced by Weight of Pipe, B.S. - Before Sealing
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

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ROCK BORING LOG

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Date 3/27/07

ROUTE FA 769 (L 10B) DESCRIPTION East Pier over Macoupin Creek LOGGED BY M. Tappan

SECTION 110B-2 LOCATION NE 1/4, SEC. 35, TWP. 10N, R1G. 7W, 3 PM

COUNTY Macoupin CORING METHOD Water

STRUCT. NO. 059-0509 Pt
Station 104+41

BORING NO. B4 Pier #3
Station 105+26
Offset 23.07 ft
Ground Surface Elev. 559.8 ft

SOIL DESCRIPTION	DEPTH (ft)	TESTS	REMARKS
LT Blue Gray Moist Clayey SHALE	0 - 20		
LT Blue Gray Firm to Med Indurated Clayey SHALE 1"-3" Closed Joints	20 - 25		
LT Blue Gray Moist Well Indurated Clayey SHALE w/ Colorless Stains Joints Filled w/ Soft Clay 1"-3" spacing	25 - 37.4		
LT Grayish Brown Well Indurated Argillaceous LIMESTONE No Joints	37.4 - 52.9		
LT Gray Med Indurated Clayey SHALE 2"-12" Closed Joints	52.9 - 52.9		
12" Open Joints w/ Clay Fill	52.9 - 52.9		

Coring Barrel Type & Size: NIRM
Core Diameter: 1.88 in
Top of Rock Elev.: 543.80 ft
Begin Core Elev.: 540.80 ft

The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
RQD is the ratio of the total length of sound core specimens 4" to total length of core run

BORING LOGS
F.A.P. ROUTE 769 - SEC. 110B-2
MACOUPIN COUNTY
STATION 104+41.00
STRUCTURE NO. 059-0509