

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP Rte 614	144(B-1)	Cass & Mason	351	210
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 74  
86 SHEETS

Contract #72A76



SOIL BORING LOG

Page 1 of 3

Date 11-27-07  
11-28-07

ROUTE FAP 614 (IL 78) DESCRIPTION IL 78 Over the Sangamon River LOGGED BY M. Tappan

SECTION 144(B-1) LOCATION SE 14, SEC. 30, TWP. 19 N, RING. 9 W, 3 PM

COUNTY Cass and Mason DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.	009-0510 Pr 009-0005 Ex Station 913+18	D E P T H	B L O W S	U N D E R S T R I C T U R E	M O I S T U R E	Surface Water Elev.	442.1 (Nov.) ft	D E P T H	B L O W S	U N D E R S T R I C T U R E	M O I S T U R E	Stream Bed Elev.	438* ft
BORING NO. 0510-P1 Pier 1 Station 905+86 Offset 10.0R RT Ground Surface Elev. 481.5 ft (ft) / 6" (in) / (ft) (%)													
Grey & Brown Moist CLAY LOAM Ref Class P2-1													
Concrete *See Note*													
Fine SAND													
Brown Fine Moist GRADATION P1-G1													
w/Coarse Gravel & Concrete													
Tan Fine Moist Sand													
Grey Fine Wet Sand Free Water													

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)  
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208) BBS, from 137 (Rev. 8-89)



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BORING NO. 0510-P1 Pier 1 Station 905+86 Offset 10.0R RT Ground Surface Elev. 481.5 ft (ft) / 6" (in) / (ft) (%)													
Grey Medium SAND (continued)													
Begin 11-28-07 Grey Medium Sand w/Some 14" to 12" Gravel													
Grey Fine to Medium SANDY GRAVEL													
GRADATION P1-G4													
Grey Medium to Coarse SAND													
w/Some 14" Gravel GRADATION P1-G5													

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BORING NO. 0510-P1 Pier 1 Station 905+86 Offset 10.0R RT Ground Surface Elev. 481.5 ft (ft) / 6" (in) / (ft) (%)													
Grey Fine SAND (continued)													
Grey Well Indurated Crystalline LIMESTONE Rotary Drilled 1.2 ft in 13 Minutes													
Boring Completed *Concrete Note: Hit concrete on centerline. Likely side slope concrete wall on existing embankment. Moved boring to 3 ft RT and 5 ft RT and hit concrete that could not be penetrated with the auger. Moved boring to 10 ft RT and encountered some broken concrete as noted on the log.													

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BORINGS (SHEET 2)  
F.A.P. 614 (IL 78) OVER SANGAMON RIVER  
PUBLIC WATERS  
CASS & MASON COUNTIES  
SECTION 144 (B-1)  
STA. 913+26.00  
STRUCTURE NUMBER 009-0510  
PROFESSIONAL DESIGN FIRM LICENSE #184-001084



JOB NO. 07S2026  
DATE 03/27/09

11/27/07  
11/28/07  
11/28/07  
11/28/07