

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 1 of 3

ROUTE FAP 761 DESCRIPTION IL 108 Over Hodges Creek, East Abutment LOGGED BY M. Tappan  
SECTION 107B-2 LOCATION NE 1/4, SEC. 21, TWP. 10N, RNG. 9W, 3 PM  
COUNTY Macoupin DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Washed	Plugged	After	Hrs.	D	B	U	M
059-0510	695+48.88	B-EA	692+41	7.0 ft RT	509.7	(ft)	/6"	(tsf)	(%)	489.8	486.3	490.7	490.7	ft	ft	ft		(ft)	/6"	(tsf)	(%)
Brown and Gray Moist SILTY CLAY (Fill)																					
Gray and Brown V. Moist SILTY CLAY LOAM																					
Grayish Brown Wet LOAM																					
Black to Brown and Gray Moist SILTY CLAY (Fill)																					
Black																					
Black Moist SILTY CLAY (Fill) to Olive Brown and Gray Moist CLAY LOAM (Fill)																					
Gray Moist SILTY CLAY LOAM (Fill)																					
Lt. Gray V. Moist SILTY CLAY																					
Lt. Gray V. Moist LOAM 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 T206) BBS, from 137 (Rev. 8-99)



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059-0510	695+48.88	B-EA	692+41	7.0 ft RT	509.7	(ft)	/6"	(tsf)	(%)	489.8	486.3	490.7	490.7	ft	ft	ft		(ft)	/6"	(tsf)	(%)
Gray Dirty Med SANDY GRAVEL w/ Gray Dirty Fine Sand Seams (continued)																					
Gray Moist SILTY CLAY (Till) Washed (continued)																					
Gray Moist SILTY CLAY (Till) Drilled stiff @ 62 ft																					
Gray Med SANDY GRAVEL Washed																					
Gray Mod. Indurated CLAYEY SHALE Drilled Hard @ 76 ft																					
Gray Moist SILTY CLAY (Till) Washed																					

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 T206) BBS, from 137 (Rev. 8-99)



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059-0510	695+48.88	B-EA	692+41	7.0 ft RT	509.7	(ft)	/6"	(tsf)	(%)	489.8	486.3	490.7	490.7	ft	ft	ft		(ft)	/6"	(tsf)	(%)
Gray Mod. Indurated CLAYEY SHALE Drilled Hard @ 76 ft (continued)																					
Boring Completed																					

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DESIGNED	J.M.B.
CHECKED	T.E.S.
DRAWN	R KING
CHECKED	J.M.B.

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SOIL BORING LOGS  
STRUCTURE NUMBER 059-0510

SHEET NO. 47 OF 51 SHEETS	F.A.P. RTE. 761	SECTION 107B-2	COUNTY MACOUPIN	TOTAL SHEETS 98	SHEET NO. 77
	FAP ROUTE 761 (IL RT 108)			CONTRACT NO. 72A94	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			