

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 13 OF 14 SHEETS
774		EFFINGHAM	344	124H	
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					
107WRS-1, 107BY, 107BY-1 & 107B-2					
CONTRACT No. 34827					

ILLINOIS DEPARTMENT OF TRANSPORTATION  
Testing Service Corporation  
STRUCTURE BORING LOG

Page 1 of 1  
Date 7/15/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Ford Avenue, Effingham, Illinois  
SECT. 107WRS-1 STRUCT. NO. DRILLED BY B. Williamson  
COUNTY Effingham LOCATION Douglas Township S. 18, TWP. T8N, RNG. R6E

Boring No.	Station	Offset	Surface Elev.	DEPTH	BLOW	QU	W	Surface Water Elev.	DEPTH	BLOW	QU	W	
B-106	1027+98	70.00ft Lt	587.14	H	S	tsf	%	Groundwater Elev.:	H	S	tsf	%	
				when drilling		DRY		when drilling		DRY		DRY	
				at Completion		DRY		at Completion		DRY		DRY	
				after		Hrs.		after		Hrs.		Hrs.	
Hard light brown SILTY LOAM, moist				5	P	9		581.14	14	S	9		
				6	4.5+			23	7.0				
				11				29					
584.14 Hard brown SILTY LOAM, moist				5	S	14		558.64	10	B	17		
				7	6.1			10	3.0				
				8				10					
581.14 Hard brown SILTY CLAY LOAM, moist				2	S	14		556.14	16		17		
				5	4.1			22					
				8				34					
553.64 Very dense gray weathered SILTSTONE, moist				7	P	9		553.64	13		14		
				17	4.5+			29	50/5"				
				17				35					
7 P 8				7	P	8			22		15		
				16	4.5+			27					
				19				50/2"					
572.14 Hard brown SILTY LOAM, damp				8	S	8		50/3"			6		
				16	8.8								
				22									
569.14 Very dense brown SANDY LOAM, damp to moist				7	P	9							
				19	4.5+								
				24									
				11		7							
				30									
				46									
				14		15							
				26									
				32									
				13		12							
				29									
				44									

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation  
STRUCTURE ROCK CORING LOG

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Date 7/15/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Ford Avenue, Effingham, Illinois  
SECT. 107WRS-1 STRUCT. NO. DRILLED BY B. Williamson  
COUNTY Effingham

Boring No. B-106 Core Type NX Core Barrel  
Station 1027+98 Core Diameter 2.34 in  
Offset 70.00ft Lt Core Length 20 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	RECOVERY (%)	Q (%)	R (%)	CORE TIME (Min/ft)	COMP. STRNGTH (tsf)
547.14	Gray SANDSTONE with interbedded SHALE	1	95	45		2.5	
537.14	Gray SANDSTONE with interbedded SHALE	2	97	66		3	201

527.14 End of Boring at 80.0'  
Color pictures of the cores

Cores will be stored for examination until

ILLINOIS DEPARTMENT OF TRANSPORTATION  
Testing Service Corporation  
STRUCTURE BORING LOG

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SECT. 107WRS-1 STRUCT. NO. DRILLED BY B. Williamson  
COUNTY Effingham LOCATION Douglas Township S. 18, TWP. T8N, RNG. R6E

Boring No.	Station	Offset	Surface Elev.	DEPTH	BLOW	QU	W	Surface Water Elev.	DEPTH	BLOW	QU	W	
B-107	1027+52	70.00ft Lt	587.38	H	S	tsf	%	Groundwater Elev.:	H	S	tsf	%	
				when drilling		DRY		when drilling		DRY		DRY	
				at Completion		DRY		at Completion		DRY		DRY	
				after		Hrs.		after		Hrs.		Hrs.	
584.38 Hard light brown SILTY LOAM, moist				7	P	8		559.38	6	B	18		
				12	4.5+			10	2.6				
				16				11					
581.38 Hard brown SILTY LOAM, moist				4	S	20		559.38	7	B	18		
				5	6.4			10	4.5				
				7				13					
581.38 Very tough brown SILTY LOAM, moist				2	P	12		553.88	7	B	22		
				4	3.75			9	2.5				
				8				13					
578.88 Firm brown SAND, moist				1		12		553.88	10		17		
				4				23					
				8				24					
576.38 Very dense brown SAND, damp				13		8		549.38	15		18		
				30				24					
				34				26					
573.88 Hard brown SILTY LOAM, damp				7	P	8		547.38	50/5"		7		
				17	4.5+								
				34									
571.88 Very dense brown SILTY LOAM/LOAM, damp				13		7		547.38					
				31									
				42									
				18		8							
				37									
				50									
586.38 Hard gray SILTY CLAY LOAM, moist to damp				5	B	11							
				7	7.0								
				12									
				6	P	6							
				9	4.5+								
				15									

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

SOIL BORINGS LOGS  
ILLINOIS ROUTE 32/33  
F.A.P. ROUTE 774  
SECTION 107 WRS-1, 107BY,  
107BY-1 & 107B-2  
EFFINGHAM COUNTY  
RETAINING WALL  
STA. 1026+03.00 LT. TO STA. 1033+86.00 LT.  
STRUCTURE NUMBER 025-W008