

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	101
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
* 107WRS-1, 107BY, 107B-1 & 107B-2				
CONTRACT NO. 94827				

SHEET NO. 13
OF 14 SHEETS

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	BL	LO	WS	Qu	W	Surface Water Elev.	DEPTH	BL	LO	WS	Qu	W
B-106	1027+98	70.00R LL	587.14							DRY						
Hard light brown SILTY LOAM, moist																
				5	P	9					561.14	14	S	9		
				6	4.5+						23	7.0				
				11						29						
Hard brown SILTY LOAM, moist																
				5	S	14					559.04	10	B	17		
				7	6.1						10	3.0				
				8						10						
Hard brown SILTY CLAY LOAM, moist																
				2	S	14					556.14	16		17		
				5	4.1						22		34			
				8						34						
Very dense gray weathered SILTSTONE, moist																
				7	P	9					553.04	13		14		
				17	4.5+						29		50/5"			
				17						50/5"						
Very dense gray weathered SILTSTONE																
				7	P	8						22		15		
				16	4.5+						27		50/2"			
				19						50/2"						
Hard brown SILTY LOAM, damp																
				8	S	8						22		6		
				16	6.8						50/5"					
				22						50/5"						
See STRUCTURE CORING LOG for core information to termination depth of boring.																
				7	P	8						19		7		
				19	4.5+						24					
				24						24						
Very dense brown SANDY LOAM, damp to moist																
				11		7						30		7		
				30						46						
				46						46						
Hard gray SILTY CLAY LOAM, moist to damp																
				5	B	11						7		7.0		
				7	7.0						12					
				12						12						
Hard gray SILTY CLAY LOAM, moist to damp																
				6	P	6						9		4.5+		
				9	4.5+						15					
				15						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

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 70.00R LL Core Length 20 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	RECOVER Y (%)	R - Q (%)	CORE TIME (Min/ft)	COMP. STRNGTH (tsf)
547.14	Gray SANDSTONE with interbedded SHALE	1	95	45	2.5	
547.14	Gray SANDSTONE with interbedded SHALE	2	97	66	3	201
547.14	Gray SANDSTONE with interbedded SHALE					253
527.14	End of Boring at 60.0'					

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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COUNTY Effingham LOCATION Douglas Township S. 18, TWP. T8N, RNG. R6E

Boring No.	Station	Offset	Surface Elev.	DEPTH	BL	LO	WS	Qu	W	Surface Water Elev.	DEPTH	BL	LO	WS	Qu	W
B-107	1027+52	70.00ft Lt	587.38							DRY						
Hard light brown SILTY LOAM, moist																
				7	P	8					589.38	6	B	18		
				12	4.5+						10	2.6				
				16						11						
Hard brown SILTY LOAM, moist																
				4	S	20					584.38	7	B	18		
				5	6.4						10	4.5				
				7						13						
Very tough brown SILTY LOAM, moist																
				2	P	12					581.38	7	B	22		
				4	3.75						9	2.5				
				8						13						
Firm brown SAND, moist																
				1		12					578.88	10		17		
				4								23		17		
				8						24						
Very dense brown SAND, damp																
				13		8					578.38	15		18		
				30								24		18		
				34						26						
Very dense gray weathered SILTSTONE																
				7	P	8					549.38	50/5"		7		
				17	4.5+						50/5"					
				34						50/5"						
See STRUCTURE CORING LOG for core information to termination depth of boring.																
				13		7					571.88					
				31								42				
				42						42						
Hard gray SILTY CLAY LOAM, moist to damp																
				18		8						37		8		
				37								50				
				50						50						
Hard gray SILTY CLAY LOAM, moist to damp																
				5	B	11					566.38	5	B	11		
				7	7.0						7	7.0				
				12						12						
Hard gray SILTY CLAY LOAM, moist to damp																
				6	P	6						9		4.5+		
				9	4.5+						15					
				15						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