STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	•	EFFINGHAM	344	124H
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 13 OF 14 SHEETS

• 107WRS-1, 107BY, 107BY-1 & 107B-2

CONTRACT NO. 94827

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. B-106
Station 1027+98
Offset 70.00ft Lt
Surface Elev. 587.14 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling DRY
at Completion DRY
after _____ Hrs. _____

DEPTH	BLOWS	Qu tsf	W %
Hard light brown SILTY LOAM, moist			
	5 6 11	P 4.5+	9
584.14 Hard brown SILTY LOAM, moist			
-5	5 7 8	S 6.1	14
581.14 Hard brown SILTY CLAY LOAM, moist			
	2 5 8	S 4.1	14
-10	7 17 17	P 4.5+	9
	7 16 19	P 4.5+	8
	8 16 22	S 6.8	8
572.14 Hard brown SILTY LOAM, damp			
	7 19 24	P 4.5+	8
569.14 Very dense brown SANDY LOAM, damp to moist			
-20	11 30 46		7
	14 26 32		15
-25	13 29 44		12

DEPTH	BLOWS	Qu tsf	W %
561.14 Hard brown SILTY CLAY LOAM, moist			
	14 23 29	S 7.0	9
556.64 Very tough gray SILTY CLAY LOAM, moist			
-30	10 10 10	B 3.0	17
556.14 Very dense gray SILTY LOAM/LOAM, moist			
	16 22 34		17
553.64 Very dense gray weathered SILTSTONE, moist			
-35	13 29 50/5"		14
	22 27 50/2"		15
	50/3"		6
See STRUCTURE CORING LOG for core information to termination depth of boring. 547.14			
-40			
-45			
-50			

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

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

Boring No. B-106
Station 1027+98
Offset 70.00ft Lt
Surface Elev. 587.14 ft

Core Type NX Core Barrel
Core Diameter 2.34 in
Core Length 20 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	RECOVERY (%)	RQD (%)	CORE TIME (Min/ft)	COMP. STRENGTH (tsf)
547.14	Gray SANDSTONE with interbedded SHALE	1	95	45	2.5	
-45.0						
						201
537.14	Gray SANDSTONE with interbedded SHALE	2	97	66	3	
-50.0						
-55.0						253
527.14	End of Boring at 60.0'					
-60.0						

Color pictures of the cores _____

Cores will be stored for examination until _____

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date 7/16/02

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. B-107
Station 1027+52
Offset 70.00ft Lt
Surface Elev. 587.38 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling DRY
at Completion DRY
after _____ Hrs. _____

DEPTH	BLOWS	Qu tsf	W %
Hard light brown SILTY LOAM, moist			
	7 12 16	P 4.5+	8
584.38 Hard brown SILTY LOAM, moist			
-5	4 5 7	S 6.4	20
581.38 Very tough brown SILTY LOAM, moist			
	2 4 8	P 3.75	12
578.88 Firm brown SAND, moist			
-10	1 4 8		12
576.38 Very dense brown SAND, damp			
	13 30 34		8
573.88 Hard brown SILTY LOAM, damp			
-15	7 17 34	P 4.5+	8
571.88 Very dense brown SILTY LOAM/LOAM, damp			
	13 31 42		7
	18 37 50		8
-20			
566.38 Hard gray SILTY CLAY LOAM, moist to damp			
	5 7 12	B 7.0	11
	6 9 15	P 4.5+	6
562.38 -25			

DEPTH	BLOWS	Qu tsf	W %
Very tough gray SILTY CLAY LOAM, moist			
	6 10 11	B 2.6	18
559.38 Hard to very tough gray SILTY CLAY LOAM, moist			
-30	7 10 13	B 4.5	18
	7 9 13	B 2.5	22
553.38 Dense to very dense gray SILTY LOAM/LOAM, moist			
-35	10 23 24		17
	15 24 26		18
549.38 Very dense gray weathered SILTSTONE			
	50/5"		7
See STRUCTURE CORING LOG for core information to termination depth of boring. 547.38			
-40			
-45			
-50			

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