STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	99
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 11 OF 14 SHEETS

* 107WRS-1, 107BY, 107BY-1 & 107B-2

CONTRACT NO. 94827

Testing Service Corporation
STRUCTURE ROCK CORING LOG

Page 1 of 1
Date 7/10/02

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-102 Core Type NX Core Barrel
Station 1031+75 Core Diameter 2.34 in
Offset 70.00ft Lt Core Length 5 ft

Surface Elev. 588.10 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (Min/ft)	COMP. STRNGTH (tsf)
553.10	Gray SANDSTONE with interbedded SHALE	1	97	49	3	
						286
						229
548.10	-40.0					
	End of Boring at 40.0'					
	-45.0					
	-50.0					
	-55.0					

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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Date 7/11/02

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-103
Station 1030+22
Offset 78.00ft Lt
Surface Elev. 584.68 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling 568.2
at Completion DRY
after _____ Hrs. _____

Description	Elev.	Depth	BLOWS	Qu tsf	W %
Hard brown SILTY CLAY LOAM, moist to damp			2 4 5	P 4.5+	11
		-5	8 13 14	P 4.5+	8
			13 26 25	P 4.5+	7
		-10	7 13 21	B 8.0	9
Hard brown SILTY LOAM, damp	573.68		7 20 42	P 4.5+	8
Hard gray SILTY CLAY LOAM, moist	571.18	-15	4 9 15	B 5.8	13
Firm gray SAND, wet	568.68		5 7 10		
Hard gray SILTY CLAY LOAM, moist	567.18	-20	6 13 18	B 7.2	14
			5 6 14	B 5.5	18
	559.68	-25	4 8 13	B 5.2	16

Description	Elev.	Depth	BLOWS	Qu tsf	W %
Hard gray SILTY CLAY LOAM, moist			4 4 6	P 4.5+	29
Very tough dark gray SILTY CLAY LOAM, moist	556.68	-30	3 4 7	B 3.6	35
			4 6 9	P 4.5+	12
	549.68	-35	3 8 11	P 4.5+	12
End of Boring at 35.0'					
		-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

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

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Date 7/11/02

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-104
Station 1029+50
Offset 70.00ft Lt
Surface Elev. 591.09 ft

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

Description	Elev.	Depth	BLOWS	Qu tsf	W %
Hard brown SILTY LOAM, moist			4 5 9	P 4.5+	13
		-5	11 13 17	P 4.5+	13
			6 9 13	P 4.5+	11
Hard brown SILTY CLAY LOAM, moist	583.09	-10	6 12 18	P 4.5+	10
Hard brown SILTY LOAM, moist	580.59		16 26 50	P 4.5+	8
Very dense brown SAND, moist	577.59		14 39 50/4"	P 4.5+	10
Hard brown SILTY CLAY LOAM, moist	577.09	-15			
Very dense brown SILTY LOAM/LOAM, damp	575.59		17 32 48		7
		-20	29 50/5"		6
Hard gray SILTY CLAY LOAM, damp	570.59		14 41 48	P 4.5+	7
Very dense brown SILTY LOAM/LOAM, damp	568.09	-25	4 47 50/5"		8
	566.09				

Description	Elev.	Depth	BLOWS	Qu tsf	W %
Hard gray SILTY CLAY LOAM, moist			6 10 19	P 4.5+	11
		-30	5 9 23	B 6.1	10
			9 14 29	B 4.2	15
		-35	13 21 28	P 4.5+	16
Very tough dark gray SILTY CLAY LOAM, very moist	555.09		5 5 9	P 3.25	37
		-40	4 6 10	B 3.2	30
Dense to very dense gray SILTY LOAM/LOAM, moist	550.09		10 16 30		18
		-45	9 12 33		16
			25 36 42		17
Very dense gray weathered SILTSTONE See STRUCTURE CORING LOG	543.09	-50	40 50/3"		18
	541.09				

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