

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	(107,107Z) LS	EFFINGHAM	22	19
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SHEET NO. 9
OF 12 SHEETS

CONTRACT NO. 74128

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 LOCATION Douglas Township S. 12, TWP. 13N, R. 8E

Boring No. B-102 Core Type NX Core Barrel
Station 1031+75 Core Diameter 2.34 in
Offset 79.000 LT Core Length 3 ft

Surface Elev. 588.10 ft

Top Elev. #	Coring Notes and Rock Description	Core Run (#)	RECOVER Y (%)	R Q (%)	CORE TIME (Min/ft)	COMP. STRENGTH (tsf)
553.10	Gray SANDSTONE with interbedded SHALE	1	97	49	3	
548.16	End of Boring at 40.0'					

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 S. Williamson

COUNTY Effingham LOCATION Douglas Township S. 12, TWP. 13N, R. 8E

Boring No. B-103
Station 1032+22
Offset 78.000 LT

Surface Elev. 584.68 ft

DEPTH (ft)	LOG	QU	W	Surface Water Elev. when drilling	DEPTH (ft)	LOG	QU	W	Groundwater Elev. at Completion
0	Hard brown SILTY CLAY LOAM, moist to damp	2	P 11	588.2	0	B 4	P 29		588.2
4		4	4.5+	DRY	4	B 4	4.5+		
5		5			8	B 3			
8		8	8		11	B 13			
13		13	4.5+		13	B 4	3.8		
14		14			17	B 7			
15		15	P 7		18	B 4	P 12		
25		25	4.5+		19	B 8	4.5+		
25		25			21	B 3	P 12		
7		7	B 9		21	B 5	4.5+		
13		13	9.0		21	B 11			
21		21			25	B 11			
576.68	Hard brown SILTY LOAM, damp	7	P 5		25	B 11			
		20	4.5+		25	B 11			
		42			25	B 11			
571.18	Hard gray SILTY CLAY LOAM, moist	4	B 13		25	B 11			
		9	8.8		25	B 11			
		15			25	B 11			
568.08	Firm gray SAND, wet	5			25	B 11			
		7			25	B 11			
		10			25	B 11			
567.18	Hard gray SILTY CLAY LOAM, moist	8	B 14		25	B 11			
		13	7.2		25	B 11			
		16			25	B 11			
		5	B 18		25	B 11			
		8	5.5		25	B 11			
		14			25	B 11			
		4	B 16		25	B 11			
		8	5.2		25	B 11			
		13			25	B 11			

568.08

End of Boring at 35.0'

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. 12, TWP. 13N, R. 8E

Boring No. B-104
Station 1025+56
Offset 70.000 LT

Surface Elev. 591.08 ft

DEPTH (ft)	LOG	QU	W	Surface Water Elev. when drilling	DEPTH (ft)	LOG	QU	W	Groundwater Elev. at Completion
0	Hard brown SILTY LOAM, moist	4	P 19		0	B 5	P 11		
4		4	4.5+		4	B 10	4.5+		
5		5			9	B 19			
8		8	8		11	B 13			
11		11	P 13		13	B 5	8.1		
13		13	4.5+		13	B 23			
17		17			17	B 23			
15		15	P 11		17	B 23			
25		25	4.5+		17	B 23			
25		25			17	B 23			
583.08	Hard brown SILTY CLAY LOAM, moist	6	P 10		17	B 23			
		12	4.5+		17	B 23			
		18			17	B 23			
680.68	Hard brown SILTY LOAM, moist	16	P 8		17	B 23			
		20	4.5+		17	B 23			
		40			17	B 23			
577.88	Very dense brown SAND, moist	14	P 10		17	B 23			
677.08	Hard brown SILTY CLAY LOAM, moist	39	4.5+		17	B 23			
		50M			17	B 23			
575.68	Very dense brown SILTY LOAM/LOAM, damp	17	7		17	B 23			
		22			17	B 23			
		48			17	B 23			
		39	8		17	B 23			
		50.5'			17	B 23			
		50M			17	B 23			
570.68	Hard gray SILTY CLAY LOAM, damp	14	P 7		17	B 23			
		41	4.5+		17	B 23			
		40			17	B 23			
568.08	Very dense brown SILTY LOAM/LOAM, damp	4	8		17	B 23			
		47			17	B 23			
		50.5'			17	B 23			
568.08		47			17	B 23			
		50.5'			17	B 23			

568.08

Very tough dark gray SILTY CLAY LOAM, very moist

Dense to very dense gray SILTY LOAM/LOAM, moist

Very dense gray weathered SILTSTONE

See STRUCTURE CORING LOG

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