

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	96
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
• 107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				

SHEET NO. 8  
OF 14 SHEETS



SKS ENGINEERS, INC.  
SOIL BORING LOG

Page 1 of 1  
Date 04/24/2001

ROUTE IL Rt. 33 DESCRIPTION Retaining Wall LOGGED BY T. Skinner/D. Baldwin  
SECTION 107 WRS-1 LOCATION Effingham SEC. TWP. RNG. PM  
COUNTY Effingham DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety

STRUCT. NO. Station	D E P T H H S	B L O W S Q u	U C S T	M O I S T T	Surface Water Elev. Stream Bed Elev.	ft	D E P T H H S	B L O W S Q u	U C S T	M O I S T T
BORING NO. B-4 Station 1020+00 Offset 65L Ground Surface Elev. 592.0										
SILTY CLAY LOAM - Gray-Brown, moist, soft-firm, low-medium plasticity, trace sand, trace gravel, organics - reddish brown, very stiff - A-6	2		.7	18			60+	6.5	9	
- stiff, little sand	11									
- clayey sand seam	11									
	4		1.7	15						
	5									
	8									
	8									
	9			12						
SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel - A-6	11									
water added for drilling @ 9 ft.	10.5		8							
	10.5									
SAND - Brown, moist, very dense, fine-medium, trace gravel - A-1-B	12									
	60+		3.4	9						
SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel - A-6	14									
- dark gray	15		6.2	10						
- brown	30									
	30+									
	25		7.5	10						
	60+									
	20									
	17									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS 137 (3/01)



SKS ENGINEERS, INC.  
SOIL BORING LOG

Page 1 of 2  
Date 04/23/2001

ROUTE IL Rt. 33 DESCRIPTION Retaining Wall LOGGED BY T. Skinner/D. Baldwin  
SECTION 107 WRS-1 LOCATION Effingham SEC. TWP. RNG. PM  
COUNTY Effingham DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety

STRUCT. NO. Station	D E P T H H S	B L O W S Q u	U C S T	M O I S T T	Surface Water Elev. Stream Bed Elev.	ft	D E P T H H S	B L O W S Q u	U C S T	M O I S T T
BORING NO. B-5 Station 1028+50 Offset 63 LT Ground Surface Elev. 589.0										
SILTY CLAY LOAM - Reddish Brown, moist, soft-firm, low-medium plasticity, trace sand, trace gravel, organics - A-6	2		.5	14						
- stiff	5									
- sand lense	7									
	8									
	7									
	7									
	19		9							
	32									
SILTY CLAY LOAM - Brown, moist, hard, low plasticity, trace sand, trace gravel - A-6	32									
- sand seam	50		8							
	10+									
SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace sand, trace gravel - A-6	10									
- brown	22		4							
	35									
	25+									
	60+									
	60+									
	14.5									
	15		60+							
SAND - Brown, moist, very dense, fine-medium, trace gravel - A-1-B	15									
	60+									
	60+									
	20									
	26									
	20									
	26									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS 137 (3/01)



SKS ENGINEERS, INC.  
SOIL BORING LOG

Page 2 of 2  
Date 04/23/2001

ROUTE IL Rt. 33 DESCRIPTION Retaining Wall LOGGED BY T. Skinner/D. Baldwin  
SECTION 107 WRS-1 LOCATION Effingham SEC. TWP. RNG. PM  
COUNTY Effingham DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety

STRUCT. NO. Station	D E P T H H S	B L O W S Q u	U C S T	M O I S T T	Surface Water Elev. Stream Bed Elev.	ft	D E P T H H S	B L O W S Q u	U C S T	M O I S T T
BORING NO. B-5-2 Station 1028+50 Offset 63LT Ground Surface Elev. 589.0										
SHALE - Gray, moist, weathered	41									
	60+									
	60+									
	45									
	46									
END OF BORING @ 46 ft. Boring backfilled with spoil and capped with concrete upon completion										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS 137 (3/01)

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