

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	95

SHEET NO. 7  
OF 14 SHEETS

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
• 107WRS-1, 107BY, 107BY-1 & 107B-2  
CONTRACT NO. 94827



SKS ENGINEERS, INC.  
SOIL BORING LOG

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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 S	B L O W S	U C S	M O I S T U R E	Surface Water Elev.		D E P T H S	B L O W S	U C S	M O I S T U R E
					ft	ft				
B-1 1033+50-33N 35' Lt										
Ground Surface Elev. 589.0										
SILTY CLAY LOAM - Gray	5									13
Brown, moist, stiff, low plasticity, little sand, trace gravel, organics - A-6	5									
- brown	6									
- mottled brown-gray	9									
	4									
	5									
	7									
	11									
SILTY CLAY LOAM - Gray	27									
Brown, moist, hard, low plasticity, trace-little sand, trace gravel, organics - A-6	33									
	9.5									
SILTY CLAY LOAM - Brown, moist, hard, low plasticity, some sand, trace gravel - A-6	10									
- organics	26									
	60+									
	14									
EXTREMELY WEATHERED SANDSTONE - Brown, moist, very dense, fine-medium, trace gravel - A-1-B	30									
	60+									
	60+									
	20									

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 T208)

BBS 137 (3/01)



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STRUCT. NO. Station	D E P T H S	B L O W S	U C S	M O I S T U R E	Surface Water Elev.		D E P T H S	B L O W S	U C S	M O I S T U R E
					ft	ft				
B-2 1032+50 45' Lt										
Ground Surface Elev. 594.5										
SILTY CLAY LOAM - Reddish	3									26
Brown, moist, firm, low-medium plasticity, trace sand, trace gravel, organics - A-6	3									
- mottled gray-brown, stiff	4									
- stiff-very stiff	5									
	8									
	8									
	8									
	7									
SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel - A-6	12									
	16									
	9									
	9									
	12									
	19									
	8									
	12									
	14									
	14.5									
SILTY CLAY LOAM - Mottled Gray, moist, hard, low plasticity, trace-little sand, trace gravel - A-6	15									
	45									
	15+									
Water added for drilling @ 9.25 ft.	30									
	60+									
	19.5									
SANDSTONE - Flag	20									

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STRUCT. NO. Station	D E P T H S	B L O W S	U C S	M O I S T U R E	Surface Water Elev.		D E P T H S	B L O W S	U C S	M O I S T U R E
					ft	ft				
B-3 1031+00 45' Lt										
Ground Surface Elev. 590.5										
SILTY CLAY LOAM - Gray	2									60+
Brown, moist, firm, low-plasticity, little sand, trace gravel, organics - A-6	3									
- mottled brown-gray, stiff	5									
- very stiff	6									
	5									
	8									
	10									
	7									
SILTY CLAY LOAM - Mottled Gray-Brown, moist, very stiff, low plasticity, trace-little sand, trace gravel, organics - A-6	6									
	7									
	9.5									
SILTY CLAY LOAM - Gray, moist, low plasticity, hard, trace sand, trace gravel - A-6	10									
	26									
	60+									
	14									
SILTY CLAY LOAM - Dark Gray, moist, hard, low-medium plasticity, trace sand, trace gravel - A-6	15									
	36									
	60+									
	60+									
	20									

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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