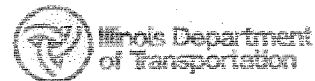


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	(107, 107Z) LS	EFFINGHAM	22	15
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SHEET NO. 5
OF 12 SHEETS

CONTRACT NO. 74128



SKS ENGINEERS, INC.
SOIL BORING LOG

Page 1 of 1
Date 04/23/2001

ROUTE ILL. 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.	D	B	U	M	Surface Water Elev.	H	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	R	E	L	C	O
BORING NO.	T	W	S	S	Groundwater Elev.:	Dry	T	W	S	S
Station	H	S	Qu	T	First Encounter	Dry	H	S	Qu	T
Offset	(ft)	(%)	(ft)	(%)	Upon Completion	Dry	(ft)	(%)	(ft)	(%)
Ground Surface Elev.	(ft)	(ft)	(ft)	(ft)	After 24 Hrs	(ft)	(ft)	(ft)	(ft)	(ft)
SILTY CLAY LOAM - Gray-Brown, moist, soft, low plasticity, little sand, trace gravel, organics - A-6	5				21					13
- brown	3									
- mottled brown-gray	9									
	4									
	5									
	7									
	11									
SILTY CLAY LOAM - Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel, organics - A-6	27									
	33									
	60+									
SILTY CLAY LOAM - Brown, moist, hard, low plasticity, some sand, trace gravel - A-6	10									
- organics	26									
	60+									
	16									
	60+									
EXTREMELY WEATHERED SANDSTONE - Brown, moist, very dense, fine-medium, trace gravel - A-1-B	18									
	30									
	60+									
	60+									
	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

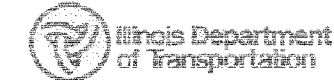
Page 1 of 1
Date 04/23/2001

ROUTE ILL. 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.	D	B	U	M	Surface Water Elev.	H	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	R	E	L	C	O
BORING NO.	T	W	S	S	Groundwater Elev.:	Dry	T	W	S	S
Station	H	S	Qu	T	First Encounter	Dry	H	S	Qu	T
Offset	(ft)	(%)	(ft)	(%)	Upon Completion	Dry	(ft)	(%)	(ft)	(%)
Ground Surface Elev.	(ft)	(ft)	(ft)	(ft)	After 24 Hrs	(ft)	(ft)	(ft)	(ft)	(ft)
SILTY CLAY LOAM - Reddish Brown, moist, firm, low-medium plasticity, trace sand, trace gravel, organics - A-6	3				26					12
- mottled gray-brown, stiff	3									
- soft-very stiff	5									
	8									
	16									
	27									
SANDSTONE INTERBEDDED WITH SHALE	12									
	19									
	9									
	12									
	15									
	31									
	11									
	9									
	12									
	14									
	14.5									
SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel - A-6	15									
	45									
	25+									
	35									
	60+									
	19.5									
	20									

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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 1
Date 04/23/2001

ROUTE ILL. 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.	D	B	U	M	Surface Water Elev.	H	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	R	E	L	C	O
BORING NO.	T	W	S	S	Groundwater Elev.:	Dry	T	W	S	S
Station	H	S	Qu	T	First Encounter	Dry	H	S	Qu	T
Offset	(ft)	(%)	(ft)	(%)	Upon Completion	Dry	(ft)	(%)	(ft)	(%)
Ground Surface Elev.	(ft)	(ft)	(ft)	(ft)	After 24 Hrs	(ft)	(ft)	(ft)	(ft)	(ft)
SILTY CLAY LOAM - Gray-Brown, moist, firm, low-plasticity, little sand, trace gravel, organics - A-6	2				60+					8
- mottled brown-gray, stiff	3									
- very stiff	4									
	5									
	8									
	10									
	10									
	7									
SILTY CLAY LOAM - Mottled Gray-Brown, moist, very stiff, low plasticity, trace-little sand, trace gravel, organics - A-6	6									
	7									
	2									
	9.5									
SILTY CLAY LOAM - Gray, moist, low plasticity, hard, trace sand, trace gravel - A-6	10									
	26									
	60+									
	14									
	40									
	60+									
	14									
SILTY CLAY LOAM - Dark Gray, moist, hard, low-medium plasticity, trace sand, trace gravel - A-6	15									
	35									
	60+									
	60+									
	22									
	42									

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