STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	344	124C
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 8 OF 14 SHEETS

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

CONTRACT NO. 94827

Illinois Department of Transportation

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 ___

BORING NO. B-4
Station 1030+00
Offset 55Lt
Ground Surface Elev. 592.0 ft

Surface Water Elev. ___ ft
Stream Bed Elev. ___ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After 24 Hrs ___ ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY LOAM - Gray-Brown, moist, soft-firm, low-medium plasticity, trace sand, trace gravel, organics		2		
		2	.7	18
		2		
- reddish brown, very stiff - A-6		5		
		8		22
- stiff, little sand		11		
- clayey sand seam				
	-5	4		
		5	1.7	15
		8		
	8	9		12
SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel - A-6		11		
		13		
	-10	27		
water added for drilling @ 9 ft.	10.5	60+		8
SAND - Brown, moist, very dense, fine-medium, trace gravel - A-1-B	12			
		60+		3.4
SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel - A-6	14			9
	-15	29		
- dark gray		30	6.2	10
- brown		30+		
		25		
		60+	7.5	10
	-20	17		

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	-25	7		
		17	3.0	15
		25		
		7		
		19	7	18
		27		
	-30	7		
	31	17	5.9	20
		24		
End of Boring @ 31 ft. Boring backfilled with spoil and capped with concrete cylinder upon completion				
	-35			
	-40			

*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)

Illinois Department of Transportation

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 ___

BORING NO. B-5
Station 1028+50
Offset 63' Lt
Ground Surface Elev. 589.0 ft

Surface Water Elev. ___ ft
Stream Bed Elev. ___ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion 32 ft
After 24 Hrs ___ ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY LOAM - Reddish Brown, moist, soft-firm, low-medium plasticity, trace sand, trace gravel, organics - A-6		2		
		2	.5	14
		2		
- stiff		5		
		7		18
- sand lense		8		
	-5	7		
		19		9
	6	32		
SILTY CLAY LOAM - Brown, moist, hard, low plasticity, trace sand, trace gravel - A-6		32		
- sand seam	8	50		8
		10+		
SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace sand, trace gravel - A-6				
	-10	22		
		35		4
- brown		25+		
		60+		11
	14.5			
	-15	60+		
SAND - Brown, moist, very dense, fine-medium, trace gravel - A-1-B				10
		60+		
*) free water #20.5 ft.				10
	-20	26		

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
		45		9
		15+		
		18		
		23	5.0	18
		37+		
	-25	7		
		21	7.7	13
		39		
	27			
		6		
VERY SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace sand, trace gravel, organics - A-6	29.5	8	4.4	13
		16		
SANDSTONE INTERBEDDED WITH SHALE	-30	29		
		35	4.3	16
		25+		
	32			
SHALE - Gray, moist, weathered		60+		11
	-35	50+		
				12
		60+		
				11
	-40	60+		

*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)

Illinois Department of Transportation

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 ___

BORING NO. B-5-2
Station 1028+50
Offset 63Lt
Ground Surface Elev. 589.0 ft

Surface Water Elev. ___ ft
Stream Bed Elev. ___ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion ___ ft
After ___ Hrs ___ ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SHALE - Gray, moist, weathered				9
	41			
		60+		
				10
	45	60+		
				17
	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