STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	97
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 9 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 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-6 Station 1027+15 Offset 60' Lt Ground Surface Elev. 584.0 ft

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

Groundwater Elev.: First Encounter Dry ft Upon Completion 25.5 ft After 24 Hrs ___ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY LOAM - Reddish Brown, moist, firm, low-medium plasticity, trace sand, trace gravel, organics - A-6	4 3 4		15		60+	8.2	8
2							
SILTY CLAY LOAM - Mottled Brown-Gray, moist, stiff-very stiff, low plasticity, trace sand, trace gravel - A-6	8 7 9	3.2	15	- gray 22.5	20 35 25+	3.9	11
5	-5 6				-25 7		
SANDY CLAY LOAM - Brown, moist, very stiff, low plasticity, trace sand, trace gravel - A-6	8 8		11		34 26+	6.2	9
				- rock encountered 26.5			
	5 6 8	1.2	16		8 32 28+	3.2	16
9.5							
SILTY CLAY LOAM - Brown, moist, hard, low plasticity, trace sand, trace gravel - A-6	-10 14 37 23+		8		-30 8 16 29		14
	23			SANDSTONE AND SHALE - flags 31	17		
	40 20+		7	33	60+		13
14.5				SHALE - Gray, moist, weathered			
- mottled brown-gray	-15 27 60+	8	9		-35 60+		8
	20				60+		
	60+	5.1	9				18
	-20 25				-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

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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 ___

BORING NO. B-6-2 Station 1027+15 Offset 60' Lt Ground Surface Elev. 589.0 ft

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

Groundwater Elev.: First Encounter Dry ft Upon Completion 25.5 ft After 24 Hrs ___ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	41				60+		12
END OF BORING @ 41 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)

Illinois Department of Transportation

SKS ENGINEERS, INC.
SOIL BORING LOG

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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-7 Station 1026+50 Offset 50' Lt Ground Surface Elev. 574.0 ft

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

Groundwater Elev.: First Encounter Dry ft Upon Completion 15.8 ft After 24 Hrs ___ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY SILTY CLAY LOAM - Gray-Brown, moist, firm, low-medium plasticity, trace sand, trace gravel, organics - A-6	5 5 5		18	plasticity, trace sand, trace gravel - A-6 - gray	50+	2.5	12
2							
SILTY CLAY LOAM - Mottled Brown-Gray, moist, hard, low plasticity, trace sand, trace gravel - A-6	11 15 20		10		25 34 26+		9
4.5					24.5		
SANDY CLAY LOAM - Brown-Gray, moist, hard, low plasticity, trace gravel - A-4	-5 12 26 28		9	SHALE	-25 60+		14
7							
CLAYEY SAND - Brown, moist very dense, low plasticity, trace gravel - A-2-6	10 24	5.0	9		60+		12
8							
SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel - A-6	34 -10 18 24 36+		10	END OF BORING @ 31 ft. Boring Backfilled with spoil and capped with concrete cylinder upon completion	-30 60+ 31		11
	19 30 30+	2.6	11				
- gray - brown	-15 19 24 34		9		-35		
17.5							
SILTY SAND - Brown, moist, very dense, fine, trace gravel, - brown - A-2-6	12 24 31	1.0	13				
19.5							
SILTY CLAY LOAM - Brown-Gray, moist, hard, low	-20 26				-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)

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