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

Description	Elev.	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	2		4 3 4		15
SILTY CLAY LOAM - Mottled Brown-Gray, moist, stiff-very stiff, low plasticity, trace sand, trace gravel - A-6	5	-5	8 7 9	3.2	15
SANDY CLAY LOAM - Brown, moist, very stiff, low plasticity, trace sand, trace gravel - A-6	9.5		6 8 8		11
SILTY CLAY LOAM - Brown, moist, hard, low plasticity, trace sand, trace gravel - A-6	14.5	-10	5 6 8	1.2	16
- mottled brown-gray	20	-15	14 37 23+		8
	25	-20	23 40 20+		7
			27 60+	8	9
			20 60+	5.1	9

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
- gray	22.5	-25	60+ 20 35 25+	3.9	11
- rock encountered	26.5		7 34 26+	6.2	9
SANDSTONE AND SHALE - flags	31	-30	8 32 28+	3.2	16
SHALE - Gray, moist, weathered	33	-35	8 16 29		14
		-40	17 60+		13
			60+		8
			60+		18

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

Description	Elev.	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

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

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

BLANK, WESSELINK, COOK & ASSOCIATES ENGINEERS - CONSULTANTS DECATUR, ILLINOIS