STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	95
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 7 OF 14 SHEETS

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

CONTRACT NO. 94827

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-1
Station 1033+50 -33'N.
Offset 35' Lt
Ground Surface Elev. 589.0 ft

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

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

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY LOAM - Gray-Brown, moist, stiff, low plasticity, little sand, trace gravel, organics - A-6		5 5 5		14
- brown		3 6 9		13
- mottled brown-gray	-5	4 5 7		10
SILTY CLAY LOAM - Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel, organics - A-6	7 9.5	11 27 33		9
SILTY CLAY LOAM - Brown, moist, hard, low plasticity, some sand, trace gravel - A-6	-10	60+		7
- organics	14	26 60+		8
EXTREMELY WEATHERED SANDSTONE - Brown, moist, very dense, fine-medium, trace gravel - A-1-B	-15	60+		4
	-20	30 60+ 60+		12

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	21			13
End of Boring @ 21 ft. Boring backfilled with spoil and capped with concrete cylinder upon completion	-25			
	-30			
	-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

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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-2
Station 1032+50
Offset 45' Lt
Ground Surface Elev. 594.5 ft

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

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

Description	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		3 3 3		26
- mottled gray-brown, stiff		3 4 5	1.2	25
stiff- very stiff	-5	8 8 8		15
SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel - A-6	7	4 12 16		9
	-10	9 12 19		13
SILTY CLAY LOAM - Mottled Gray, moist, hard, low plasticity, trace-little sand, trace gravel - A-6	14.5	8 12 14	3.4	12
	-15	30 45 15+		8
Water added for drilling @ 9.25 ft.		30 60+		7
SANDSTONE - Flag	19.5 -20	60+		

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY LOAM - Gray, moist, hard, low plasticity, trace sand, trace gravel - A-6	21			12
	-25	29 60+	3.1	11
		30 60+	7.0	9
SANDSTONE INTERBEDDED WITH SHALE	27	12 26 34+	4.8	12
	-30	15 27 31		18
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)
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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-3
Station 1031+00
Offset 45' Lt
Ground Surface Elev. 590.5 ft

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

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

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY LOAM - Gray-Brown, moist, firm, low-plasticity, little sand, trace gravel, organics - A-6		2 3 3		18
- mottled brown-gray, stiff		4 5 6	1.8	12
- very stiff	-5	5 8 10	3	13
SILTY CLAY LOAM - Mottled Gray-Brown, moist, very stiff low plasticity, trace-little sand, trace gravel, organics - A-6	7 9.5	6 7 2	2.6	15
SILTY CLAY LOAM - Gray, moist, low plasticity, hard, trace sand, trace gravel - A-6	-10	26 60+		8
	14	40 60+	3.4	9
SILTY CLAY LOAM - Dark Gray, moist, hard, low-medium plasticity, trace sand, trace gravel - A-6	-15	36 60+	9.6	10
		60+		9
	-20	42		

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
		60+		8
		12 50 10+	3.3	12
	-25	11 31 29+	5.5	18
	26			
End of Boring @ 26 ft. Boring backfilled with spoil and capped with concrete cylinder upon completion				
	-30			
	-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