CONTRACT NO. 66617

F. A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	*	LASALLE	126	29
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(34)R, DM & (X-1)RS, & BR

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 11/9/06

ROUTE SBI-07 (US 6) DESCRIPTION US 6 Over Abandoned RR LOGGED BY Chris Blakley

SECTION 34 LOCATION NW 1/4, SEC. 14, TWP. 33N, RNG. 01E

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-0095
Station 1026+76.13

BORING NO. #1: Center of EBL
Station 1024+28.13
Offset 10.00ft Right
Ground Surface Elev. 537.37 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, Bituminous and Concrete pavement, Limestone CA06	535.37				
Stiff, brown gray, Silty Clay Loam-fill		-5	5 5 5	2.0 P	19.4
Stiff, black brown, Silty Clay	530.37		4 4	1.6 S	29.7
Stiff, black, Silty Clay Loam-topsoil	528.87	-10	4 3 4	3.0 P	25.7
Very stiff, brown black, oxidized, mottled, Silty Clay	526.37		6 3	2.7 S	24.3
Stiff, tan and greenish, mottled, Clay, interbedded with oxidized, Sand	524.37	-15	3 5 1	2.7 S	24.3
Soft, reddish brown, oxidized, mottled, Silty Clay	521.87		2 5 2 2	0.4 B	26.2
Very stiff, reddish brown, mottled, Clay with some Silt	519.37	-20	3	3.2 S	25.4 / 22.6
Hard, light gray to gray, Soapstone	515.87		4 7 14	5.5 S	20.2 / 18.6
Light gray, Limestone, with Shale partings	514.37		100/4"		3.1
AAR: hole collapsed @ 17.8' End of Boring		-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, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 11/9/06

ROUTE SBI-07 (US 6) DESCRIPTION US 6 Over Abandoned RR LOGGED BY Chris Blakley

SECTION 34 LOCATION NW 1/4, SEC. 14, TWP. 33N, RNG. 01E

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-0095
Station 1026+76.13

BORING NO. #2: Center of EBL
Station 1026+12.13
Offset 8.00ft Right
Ground Surface Elev. 539.39 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, Bituminous and Concrete pavement, Limestone CA06	537.39				
Medium, dark brown, Silty Clay Loam- fill 7.5' interval- rock in shoe- no sample		-5	4 3 4	1.5 P	18.3
Soft, moist, reddish brown and black, oxidized, Silty Clay- fill 12.5' interval- rock in shoe- poor recovery	529.39	-10	3 4 3 2 1 2	no sample 0.8 P	24.2
Gray, argillaceous, Limestone pieces, with interbedded fill	523.89	-15	3 4 7 12 20 10	2.0 P	26.6 / 28.8 / 2.6
Very stiff, brown red black, Clay-fill	523.39	-20	5 8 11	3.0 P	16.4
Hard, light gray, Soapstone	518.89		5 5 10	4.5 P 6.0 S	12.7 / 18.6
Hard, gray to black, Soapstone with Limestone fragments grades down to bedrock	516.89		100/4"	2.9 S	19.2
22.5' interval- poor sample from stone fragments in material	514.39	-25			
Light gray, Limestone	513.89		100/3"		
Auger Refusal @ 25.5 AAR: hole collapsed @ 20.3' End of Boring		-30 -35 -40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

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Date 11/9/06

ROUTE SBI-07 (US 6) DESCRIPTION US 6 Over Abandoned RR LOGGED BY Chris Blakley

SECTION 34 LOCATION NW 1/4, SEC. 14, TWP. 33N, RNG. 01E

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-0095
Station 1026+76.13

BORING NO. #3: Center of EBL
Station 1027+94.13
Offset 9.00ft Right
Ground Surface Elev. 534.09 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, Bituminous and Concrete pavement, Limestone CA06	532.09				
Soft, brown, oxidized, Silty Clay wth Gravel pieces		-5	4		
Stiff, black, brown, Silty Clay Loam- topsoil	528.09		5 6	0.6 B 2.5 P	21.6 / 27.5
Stiff, brick red, mottled, blocky, Silty Clay with stone fragments	526.09	-10	3 5 7	2.9 B	18.6
Stiff, red brown and brown, oxidized, mottled, Silty Clay with stone fragments 15' interval: rock in shoe, high blow count	522.09	-15	8		
Hard, blue green, dense, Clay to Soapstone with some oxidation and stone fragements, becoming more oxidized with depth	518.09		100/5"	1.5 P 3.9 S	20.2 / 19.4
18': piece of Limestone in shoe	516.09		100/4"	4.5 P	13.4 / 2.3
Light gray, Limestone Auger Refusal @ 18'	515.99	-20	100/1"		
AAR: hole collapsed @ 13.6' End of Boring		-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, from 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

STR. 050-0095

STA. 1026+76.13

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