STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1774	113(B-5, B-6)	LOGAN	60	44
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 9
9 SHEETS

Contract #72760

Illinois Department of Transportation
Division of Highways
District 6 Materials

SOIL BORING LOG

Page 1 of 2
Date 5/7/04

ROUTE FAS 1774 DESCRIPTION Old IL 121 over Kickapoo Creek Tributary LOGGED BY M. Metcalf
SECTION 113(B-5,B-6) LOCATION SW 14, SEC. 24, TWP. 20 N, RNG. 3 W, 3 PM
COUNTY Logan DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 054-2013 Ex / 054-2506 Pr
Station 1727+86.5 +/-
BORING NO. 1 NW WW
Station 1727+81
Offset 12.0ft Rt
Ground Surface Elev. 567.2 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 555.6 ft
Groundwater Elev.:
First Encounter 550.2 ft
Upon Completion Washed ft
After Hrs. Plugged ft

Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Dark Grey Moist SILTY CLAY LOAM (Fill)				
		1		
		2	1.4	27
		3	B	
	-5			
		1		
		1	0.5	25
		2	B	
	559.20			
Dark Grey Moist SILTY CLAY (Fill)		0		
		1	0.4	27
		2	B	
	-10			
		0		
		0	0.4	26
		2	B	
	554.20			
V. Dark Grey Moist SILTY CLAY		0		
		1	1.1	31
		3	B	
	-15			
	551.20	0		
Grey Wet LOAM w/Concrete Debris - Drilled through Debris 16.5'-17.0'		1	0.7	24
	550.20	100	B	
Free Water		/2"		
SAND		1		
Coarse Grained SAND and GRAVEL		2		
		3		
	-20			

Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
SAND (continued)				
		1		
Medium Grained SAND and GRAVEL Washed		3		
		6		
		1		
Medium Grained SAND Washed		6		
		6		
	-25			
Fine Grained Silty SAND Poor Recovery - Augers sank under own weight - Sampler Advanced by Weight of Hammer Washed		0		
		0		
	-30			
Fine Grained SAND w/Occ. Medium Grained SAND Washed		5		
		5		
	-35			
Brownish Grey Fine Grained Silty SAND Washed		4		
		2		
		3		
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) (B.S. - Before Seating)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
District 6 Materials

SOIL BORING LOG

Page 2 of 2
Date 5/7/04

ROUTE FAS 1774 DESCRIPTION Old IL 121 over Kickapoo Creek Tributary LOGGED BY M. Metcalf
SECTION 113(B-5,B-6) LOCATION SW 14, SEC. 24, TWP. 20 N, RNG. 3 W, 3 PM
COUNTY Logan DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 054-2013 Ex / 054-2506 Pr
Station 1727+86.5 +/-
BORING NO. 1 NW WW
Station 1727+81
Offset 12.0ft Rt
Ground Surface Elev. 567.2 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 555.6 ft
Groundwater Elev.:
First Encounter 550.2 ft
Upon Completion Washed ft
After Hrs. Plugged ft

Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
SAND (continued)				
		2		
Brownish Grey Medium Grained Silty SAND Washed		1		
		5		
	-45			
		2		
Medium Grained SAND Washed		2		
		4		
	-50			
		5		
Medium to Coarse Grained SAND and GRAVEL Washed		6		
		7		
	-55			
	508.70	12		
Medium Grained Sandy GRAVEL Washed		21		
		40		
Boring Completed to 35 Tons	-60			

Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Bearing				
	-65			
	-70			
	-75			
	-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) (B.S. - Before Seating)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
District 6 Materials

SOIL BORING LOG

Page 1 of 2
Date 5/7/04

ROUTE FAS 1774 DESCRIPTION Old IL 121 over Kickapoo Creek Tributary LOGGED BY M. Metcalf
SECTION 113(B-5,B-6) LOCATION SW 14, SEC. 24, TWP. 20 N, RNG. 3 W, 3 PM
COUNTY Logan DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 054-2013 Ex / 054-2506 Pr
Station 1727+86.5 +/-
BORING NO. 2 SE WW
Station 1728+14
Offset 14.0ft Lt
Ground Surface Elev. 567.6 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 555.6 ft
Groundwater Elev.:
First Encounter 551.6 ft
Upon Completion Washed ft
After Hrs. Plugged ft

Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
V. Dark Grey V. Moist SILTY CLAY LOAM (Fill)				
		0		
		1	0.5	34
		2	P	
	562.60 -5			
V. Dark Grey Wet SILTY CLAY (Fill)		0		
		0	0.4	31
		2	B	
		0		
		0	0.3	24
		2	B	
	-10			
		0		
		2	0.5	27
		3	B	
	554.60			
Grey V. Moist SILTY CLAY LOAM to LOAM		0		
		1	0.5	21
		2	B	
	552.60 -15			
Grey Wet Coarse Grained Clayey SAND		0		
Free Water		0		
		1		
	549.80			
SAND		0		
Coarse Grained SAND and GRAVEL Washed		1		
		3		
	-20			

Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
SAND (continued)				
		3		
Coarse Grained SAND and GRAVEL Washed		5		
		4		
		14		
Medium to Coarse Grained GRAVEL w/some Sand Washed		8		
		4		
	-25			
		0		
Fine SAND V. Poor Recovery Sampler Advanced by Weight of Hammer Washed		0		
		0		
	-30			
Fine Silty SAND Washed		0		
		3		
		5		
	-35			
	530.60			
Tan Moist CLAY LOAM (Till)		4		
Washed		11	4.0	13
		12	B	
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) (B.S. - Before Seating)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
District 6 Materials

SOIL BORING LOG

Page 2 of 2
Date 5/7/04

ROUTE FAS 1774 DESCRIPTION Old IL 121 over Kickapoo Creek Tributary LOGGED BY M. Metcalf
SECTION 113(B-5,B-6) LOCATION SW 14, SEC. 24, TWP. 20 N, RNG. 3 W, 3 PM
COUNTY Logan DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 054-2013 Ex / 054-2506 Pr
Station 1727+86.5 +/-
BORING NO. 2 SE WW
Station 1728+14
Offset 14.0ft Lt
Ground Surface Elev. 567.6 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 555.6 ft
Groundwater Elev.:
First Encounter 551.6 ft
Upon Completion Washed ft
After Hrs. Plugged ft

Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Tan Moist CLAY LOAM (Till) (continued)	528.60			
SAND				
		3		
Medium Grained SAND Washed		2		
		3		
	-45			
		1		
Medium Grained SAND Washed		1		
		1		
	-50			
		2		
Medium Grained SAND and GRAVEL Washed		4		
		8		
	-55			
		12		
Medium Grained SAND and GRAVEL Washed		17		
		24		
	508.10			
	-60			

Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Boring Completed to 35 Tons Bearing				
Refer Elevation to BM cb-01115 Chiseled Square on SE WW of 054-0019 = 558.52'				
Refer STA to back of South Abutment 054-0019 = 1724+64 STA Increase to South				
	-65			
	-70			
	-75			
	-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) (B.S. - Before Seating)
BBS, from 137 (Rev. 8-99)

BORING LOGS
F.A.S. RTE. 1774 - SEC. 113 (B-5,B-6)
LOGAN COUNTY
STATION 1727+87.37
STRUCTURE NO. 054-2506

...\projects\ht600025\054-2506.dgn 10/13/2005 1:10:03 PM