STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 645	*	Marshall	71	40
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 22
23 SHEETS

* (105BR)BR
Contract - 68479

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District – Materials

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ROUTE FAP 645 (IL 17) DESCRIPTION IL 17 over Senachwine Cr. 3.5mi. west of Sparland LOGGED BY JAR Date 11/2/06

SECTION 105 BR LOCATION SEC., TWP., RNG., Latitude , Longitude

COUNTY MARSHALL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 062-0016 (EXIST) 062-072(PROP)
Station

BORING NO. 3 (E. PIER)
Station 335+07
Offset 53.00ft Lt
Ground Surface Elev. 641.59 ft

Surface Water Elev. 634.53 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter None ft
Upon Completion None ft
After 120 Hrs. 634.0 ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown, Light Brown SILTY CLAY LOAM					
trace of gravel			3		
			4 7	3.5 P	16
			2		
		-5	3 3	2.5 P	20
			1		
			2 2	3.0 P	20
			1		
Gray CLAY SHALESHALEY CLAY	631.84	-10	7 24	1.0 P	23 12
			11		
			48 52@3"		11
			12		
		-15	48 52@3"		10
			40		
			50 20@1"		9
			22		
		-20	38		9
End of Boring	621.19		62@6"		

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)

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ROUTE FAP 645 (IL 17) DESCRIPTION IL 17 over Senachwine Cr. 3.5mi. west of Sparland LOGGED BY JAR Date 11/2/06

SECTION 105 BR LOCATION SEC., TWP., RNG., Latitude , Longitude

COUNTY MARSHALL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 062-0016 (EXIST) 062-072(PROP)
Station

BORING NO. 4 (E. ABUT)
Station 335+76
Offset 15.00ft Rt
Ground Surface Elev. 649.50 ft

Surface Water Elev. 634.53 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 637.5 ft
Upon Completion None ft
After 24 Hrs. Not Taken ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Shoulder Gravel wSILTY CLAY LOAM	648.00				
Gray, Brown, Dark Brown CLAY LOAM			3		
			4 3	3.0 P	16
Dark Brown SILTY CLAY LOAM	645.50		2		
		-5	2 2	2.0 P	24
			1		
			2 1	0.7 B	23
			1		
		-10	1 2	0.5 B	27
trace of organics			1		
			1 2	0.3 B	33
			1		
trace of sand		-15	3 10	0.7 B	36
Gray CLAY SHALESHALEY CLAY	633.00		15		
			33 42		11
			23		
		-20	54		7
Gray CLAY SHALESHALEY CLAY (continued)			46@3"		
			29		
			56 44@2"		9
			15		
		-25	30 34		11
dark gray			35		
			39 37		8
			25		
		-30	100@4"		9
			40		
			58 42@2"		9
End of Boring	615.00	-35	100@6"		7

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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ROUTE FAP 645 (IL 17) DESCRIPTION IL 17 over Senachwine Cr. 3.5mi. west of Sparland LOGGED BY RLI Date 7/5/71

SECTION 105 BR LOCATION SEC., TWP., RNG., Latitude , Longitude

COUNTY MARSHALL DRILLING METHOD HSA HAMMER TYPE

STRUCT. NO. 062-0016 (EXIST) 062-072(PROP)
Station

BORING NO. 5
Station 333+55
Offset 20.00ft Rt
Ground Surface Elev. 654.07 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion None ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
1A. Brown & Gray, Moist SILTY CLAY LOAM					
		-5	6 7	0.8 S	
Brown, Moist CLAY	648.57				
		-10	4 5	0.9 S	
1A. Brown & Gray, Damp SHALEY CLAY LOAM(Traces of SANDSTONE)	643.57				
			24 30		
1A. Brown & Gray, Damp SHALEY CLAY (Traces of SANDSTONE)	641.07				
		-15	50@6"		
			50@5"		
Gray, Damp SHALEY CLAY	636.07				
		-20	50@3"		
End of Boring	634.32				

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)

SOIL BORINGS
IL ROUTE 17 OVER SENACHWINE CREEK
FAP ROUTE 645 - SECTION (105BR)BR
MARSHALL COUNTY
STATION 334+90.00
STRUCTURE NO. 062-0072

Operator: dheberling
Date: 8/26/2008
Filename: L:\Jobs\IDOT BBS\6956 BBS Various Various\6956.03\CADD_Struc\062-0072 4-18-08.dgn