STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1536	125BR	Macon	45	41
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 29
29 SHEETS

Contract #74145

Illinois Department of Transportation
Division of Highways
District 7 Materials

SOIL BORING LOG

Page 1 of 2

Date 9/12/05

ROUTE FAS 1536 (IL 48) DESCRIPTION IL 48 Over Friends Creek Just East of Argenta LOGGED BY CNA

SECTION 125BR LOCATION NE, SEC. 25, TWP. 18N, RNG. 4E, PM

COUNTY Macon DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 058-0132
Station 616+52

BORING NO. 3 Prop. West Abut.
Station 615+09
Offset 6.00ft Lt.
Ground Surface Elev. 649.6 ft

Surface Water Elev. 632.8 ft
Stream Bed Elev. 632.3 ft

Groundwater Elev.:
First Encounter 633.6 ft
Upon Completion Wash Bored ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Pavement	649.60				
Brown to Gray Sandy Clay Loam (Embankment)	647.60				
			2		
		-5	2 2	1.4 B	16
			1		
		-10	2 3	1.4 B	18
Gray Mottled Loam with Small Intermittent Sand Seams	639.60				
			2		
		-15	2 3	1 S	16
			2		
Brown Mottled Clay with Small Intermittent Sand Seams	635.10	-15	2 2	1.2 B	23
Gray Poorly Sorted Very Coarse Sand with Small Gravel	633.60		1 3 3		
Gray Moderately Sorted Coarse Sand	631.60		3		
		-20	4 6		
Gray Moderately Sorted Coarse Sand (continued)					
			2		
(2' Blow In)	627.60		4 5		
Gray Clay Loam Till					
			2		
		-25	5 7	4.3 B	12
			2		
		-30	6 9	4.7 B	12
			2		
		-35	5 9	3.5 B	13
			3		
		-40	5 7	3.7 B	13

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)

Illinois Department of Transportation
Division of Highways
District 7 Materials

SOIL BORING LOG

Page 2 of 2

Date 9/12/05

ROUTE FAS 1536 (IL 48) DESCRIPTION IL 48 Over Friends Creek Just East of Argenta LOGGED BY CNA

SECTION 125BR LOCATION NE, SEC. 25, TWP. 18N, RNG. 4E, PM

COUNTY Macon DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 058-0132
Station 616+52

BORING NO. 3 Prop. West Abut.
Station 615+09
Offset 6.00ft Lt.
Ground Surface Elev. 649.6 ft

Surface Water Elev. 632.8 ft
Stream Bed Elev. 632.3 ft

Groundwater Elev.:
First Encounter 633.6 ft
Upon Completion Wash Bored ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Clay Loam Till (continued)					
			3		
		-45	5 7	2.1 B	14
			3		
		-50	5 11	3.9 B	13
			2		
		-55	7 9	2.6 B	15
			0		
		-60	1 1		
– No Sample Recovered)					
Gray Moderately Sorted Very Coarse Sand with Small Gravel (continued)					
			7		
		-65	11 16		
			5		
		-70	9 12		
(8' Blow In)	579.60				
		-75			
		-80			

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 BORING DETAILS
F.A.S. ROUTE 1536 - SEC. 125BR
MACON COUNTY
STATION 616+26.50
STRUCTURE NO. 058-0132

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