STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1536	125BR	Macon	45	40
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 28
29 SHEETS

Contract #74145

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District 7 Materials

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. 1 Prop. NE Abut.
Station 617+20
Offset 15.50ft Rt.
Ground Surface Elev. 637.7 ft

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

Groundwater Elev.:
First Encounter 624.7 ft
Upon Completion Wash Bored ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black Sand Loam to Loam with Small Gravel (Alluvium)	637.70				
		-5	1 / 1	0.7 B	27
			5 / 3 / 3		
(No Sample Obtained-Drove Sampler Through Gravel)	629.70				
Gray Sandy Clay Loam Till		-10	2 / 5 / 6	5.2 B	12
			3 / 5 / 6	3.5 B	12
Gray Sand Loam Till with Intermittent Sand & Silt Seams	624.70	-15	2 / 4 / 5	3.5 E	13
			2 / 5 / 6	3.5 B	13
		-20	2 / 5 / 6	2.9 B	12
Gray Sand Loam Till with Intermittent Sand & Silt Seams (continued)			2		
		-25	4 / 7	3.5 B	13
			2 / 3 / 6	3.1 B	13
	609.70				
Gray to Dark Gray Sandy Clay Loam Till		-30	2 / 2 / 3	1.2 B	17
		-35	2 / 2 / 6	1.4 B	15
		-40	3 / 4 / 7	1.9 B	16

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 — SOIL BORING LOG

Division of Highways
District 7 Materials

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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. 1 Prop. NE Abut.
Station 617+20
Offset 15.50ft Rt.
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Surface Water Elev. 632.8 ft
Stream Bed Elev. 632.3 ft

Groundwater Elev.:
First Encounter 624.7 ft
Upon Completion Wash Bored ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray to Dark Gray Sandy Clay Loam Till (continued)					
	594.70				
Brown Moderately Sorted Medium to Coarse Sand			0 / 0		
		-45	1		
			2 / 2		
		-55	9 / 7		
			5		
		-60	9 / 7		
Gray Poorly Sorted Coarse to Very Coarse Sand with Gravel (continued)					
(7' Blow In)		-65	9 / 13 / 16		
(*Note: Slight Artesian Conditions were Encountered at this Boring)			5		
(5' Blow In)	567.70	-70	8 / 11		
		-75			
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District 7 Materials

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. 2 Prop. East Pier
Station 616+61
Offset 33.40ft Rt.
Ground Surface Elev. 637.9 ft

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

Groundwater Elev.:
First Encounter 632.9 ft
Upon Completion Wash Bored ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Sand Loam to Coarse Dirty Sand (Alluvium)	637.90				
			2		
		-5	2 / 1		
Brown/Gray Very Coarse Dirty Sand with Small Gravel	632.90				
			2 / 2 / 4		
Black Sand Loam with Gravel & Trace Organics	630.90				
		-10	1 / 5 / 12		
Gray Clay Loam Till to Sandy Clay Loam Till	626.90				
		-15	3 / 5 / 7	3.7 B	12
			1 / 5 / 7	3.9 B	12
			4		
			10 / 7	2.8 B	12
			1		
		-20	3 / 6	3.5 B	13
Gray Clay Loam Till to Sandy Clay Loam Till (continued)					
		-25	1 / 3 / 5	2.4 B	14
Dark Gray to Gray/Brown Silty Clay Loam Till with Small Fine Peat Seams	609.90				
		-30	1 / 2 / 4	1 B	19
Brown Sand Loam Till To Sandy Clay Loam Till	606.90				
(No Sample Obtained)		-35	5 / 5 / 9		
Brown Fine to Coarse Sand	598.40	-40	2 / 2 / 2	2.1 B	17

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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District 7 Materials

Page 2 of 2

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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. 2 Prop. East Pier
Station 616+61
Offset 33.40ft Rt.
Ground Surface Elev. 637.9 ft

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

Groundwater Elev.:
First Encounter 632.9 ft
Upon Completion Wash Bored ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Fine to Coarse Sand (continued)					
	595.90				
Gray Moderately Sorted Coarse Sand with Gravel			4		
(5' of Blow In)		-45	5 / 6		
			1		
		-50	2 / 4	1 B	19
			7		
		-55	8 / 12		
			11		
		-60	14 / 16		
Gray Moderately Sorted Coarse Sand with Gravel (continued)					
		-65	10 / 12 / 16		
(*Note: Slight Artesian Conditions were Encountered at this Boring)			10		
(7' of Blow In)	567.90	-70	16 / 30		
		-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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