Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 3/13/12

ROUTE FAP 320 (US 36) DESCRIPTION Traffic Signal Mast Arm Foundations at Country Club Road LOGGED BY E. Sandschafer

SECTION (137Z,139-X-2)N LOCATION N 1/2, SEC. 19, TWP. 16 N, RNG. 3 E, 3 PM

COUNTY Macon DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. N/A
Station
BORING NO. 3 NW
Station 188+42
Offset 74.0ft Lt
Ground Surface Elev. 640.71 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
First Encounter 628.7 ft
Upon Completion 630.7 ft
After 24 Hrs. 633.2 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
3" topsoil.	640.41				
Brown, CLAY LOAM.					
	638.71				
Medium, damp, reddish brown, fine grained, SAND. 10% passing #200 sieve.			6		
			8		8
	637.51		6		
Black, CINDERS.					
	636.21				
Soft to medium, damp, gray, SANDY LOAM.		-5	2		
			3	0.5	10
	635.01		3	B	
Reddish brown, fine grained, SAND.					
	633.71				
Very soft, very damp, gray mottled brown, SANDY LOAM.			1		
			0	0.1	16
	632.31		2	B	
Gray, CLAY LOAM TILL.					
	631.21				
Soft to very soft, wet, gray, SANDY LOAM.		-10	3		
			3	0.5	19
			4	S	
			3		
Augers sinking.			4	0.1	15
			7	S	
	626.21				
Medium, wet, gray, fine grained, SAND w/ trace large Gravel. 7% passing #200 sieve.		-15	5		
			12		15
			14		
			2		
7% passing #200 sieve.			1		16
	622.41		2		
Gray, CLAY LOAM. Augers sinking.					
	621.21				
		-20	2		

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Very stiff, damp, gray, CLAY TILL w/ trace Sand. (continued)			3	2.1	14
			4	B	
	618.71				
Stiff to very stiff, damp, gray, CLAY LOAM TILL.			3		
			6	2.4	13
			10	B	
		-25	3		
			5	1.7	13
			9	B	
			3		
			5	1.7	13
			7	B	
		-30	3		
			6	2.9	13
	609.71		9	B	
Extent of exploration.					
Benchmark: TBM Pedestrian signal foundation in SE corner = 643.30' elevation, Sta 190+35, 68' Rt.					
		-35			
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
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)

File Name S:\NEW GEOTECHNICAL\GINTDATA\PROJECTS\MACON CO (058)\058-0000 SOIL 2012 MAST ARM FOUNDATIONS COUNTRY CLUB RD (MACON 263).GPJ Data Template DGTEMPLT.GDT Date Printed 12/03/20
Latitude W 88 deg 54.430 min Longitude N 39 deg 49.914 min Datum Job Number

Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 3/12/12

ROUTE FAP 320 (US 36) DESCRIPTION Traffic Signal Mast Arm Foundations at Airport Plaza LOGGED BY E. Sandschafer

SECTION (137Z,139-X-2)N LOCATION SE - Sec 19, SW - Sec 20, SEC. , TWP. 16 N, RNG. 3 E, 3 PM

COUNTY Macon DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. N/A
Station
BORING NO. 1 SE
Station 268+19
Offset 46.0ft Lt
Ground Surface Elev. 673.97 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 48 Hrs. 670.8 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
15" asphalt pavement.					
	672.67				
Very stiff to medium, damp, gray, SILTY CLAY.			3		
			5	2.8	21
			7	B	
		-5	2		
			2	1.0	29
			2	B	
	666.97				
Stiff, damp, gray, SILTY LOAM.			1		
	665.97		1	0.1	22
Very soft, very damp, gray to brown, SILTY LOAM.			2	B	
		-10	1		
			1	0.1	26
			2	B	
	661.67		11		
Brown, fine grained, SAND.	661.47		8	2.9	13
Very stiff, damp, gray, CLAY LOAM TILL.			10	B	
		-15	4		
			7	4.0	11
			11	B	
			5		
			8	3.0	11
			12	B	
	653.97	-20	4		

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Very stiff to medium, damp, gray, CLAY LOAM TILL.			6	3.2	12
			10	B	
			4		
			6	1.8	13
			8	B	
		-25	2		
			3	0.8	8
	647.97		3	B	
Extent of exploration.					
Benchmark: BM 150 Cut square on SE corner of TS Mast Arm Foundation in NE corner = 673.16', elevation, Sta 266+65, 26.7' Lt of CL of WB US 36.					
		-30			
		-35			
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
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)

File Name S:\NEW GEOTECHNICAL\GINTDATA\PROJECTS\MACON CO (058)\058-0000 SOIL 2012 MAST ARM FOUNDATIONS AIRPORT PLAZA (MACON 264).GPJ Data Template DGTEMPLT.GDT Date Printed 12/03/20
Latitude W 88 deg 52.948 min Longitude N 39 deg 49.313 min Datum Job Number

FILE NAME = c:\pw_work\pwidot\steffenmk\d0273662\D774539-sht-ts-1.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/27/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL BORING LOGS
COUNTRY CLUB ROAD #3 & AIRPORT PLAZA #1

SCALE: N/A | SHEET 8 OF 12 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z,139-X-2)N	MACON	39	30
		CONTRACT NO. 74539		
		ILLINOIS FED. AID PROJECT		