CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	*	KENDALL	931	646
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO. 5		ILLINOIS	FED. AID PROJECT	

*(5CS, 13C, 108, 109)R

Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

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Date 8/20/02

ROUTE FAP 326(IL47) DESCRIPTION MAST ARM FOUNDATION AT IL 47 & FOX STREET IN YORKVILLE LOGGED BY L.M.

SECTION (5CS,13C,108,109)R LOCATION NE 1/4, SEC. 32, TWP. 37N, RNG. 2E, 3rd PM

COUNTY KENDALL DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station
BORING NO. 14 SW QUAD
Station 20+453
Offset
Ground Surface Elev. m

Surface Water Elev. m
Stream Bed Elev. m
Groundwater Elev.:
First Encounter m
Upon Completion NONE m
After Hrs. m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
AUGERED Brown CLAY LOAM with PEA GRAVEL					
Loose White CA 13 BACK FILL			4		
			2	-	6.0
			3	-	
		-1.5			
			2		
			1	-	5.0
			1	-	
			1		
Soft Brown SILTY LOAM			1	48	18.0
			1	P	
		-3.0			
			1		
			2	48	26.0
Hard Brown CLAY LOAM TILL			5	469	12.0
			4		
			8	623	20.0
			12	S	
		-4.5			
			9		
Medium Brown & Gray SILT			16	-	22.0
			16	-	
			7		
			6	-	27.0
Medium Brown Fine SAND			4	-	18.0
		-6.0			
Medium Brown Fine to Medium SAND with Fine GRAVEL *(continued)*			7		
			15	-	14.0
Medium Brown Fine SAND & SILT			20	-	20.0
			8		
Hard Brown to Gray SANDY LOAM TILL			14	431	11.0
			20	P	
		-7.5			
			2		
			25	527	8.0
			21	S	
End of Boring					
		-12.0			

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)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Page 1 of 1

Date 8/19/02

ROUTE FAP 326(IL47) DESCRIPTION MAST ARM FOUNDATION AT IL 47 & VAN EMMON STREET IN YORKVILLE LOGGED BY L.M.

SECTION (5CS,13C,108,109)R LOCATION NE 1/4, SEC. 32, TWP. 37N, RNG. 7E, 3rd PM

COUNTY KENDALL DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station
BORING NO. 15 NW QUAD
Station 20+830
Offset
Ground Surface Elev. 181.64 m

Surface Water Elev. m
Stream Bed Elev. m
Groundwater Elev.:
First Encounter m
Upon Completion 178.9 m ▽
After Hrs. m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
AUGERED BITUMINOUS PAVEMENT OVER Brown SAND & Brown CLAY LOAM					
	180.88				
Very Stiff Brown CLAY			3		
			3	249	24.0
			5	B	
		-1.5			
	179.97		3		
Stiff Gray CLAY LOAM TILL			6	144	19.0
			9	S	
	179.51				
Soft Gray SILTY LOAM			1		
			2	48	23.0
	▽		5	B	
		-3.0			
	178.44		3		
Loose Brown 25mm LOAMY GRAVEL Over Fine Brown SILT & SAND			4	-	23.0
			3	-	
	177.83				
Stiff Gray Highly Weathered & Reworked MAQUOKETA SHALE			3		
			3	192	20.0
			5	S	
	177.07	-4.5			
AUGER REFUSAL on Dark Gray to Black LIMESTONE LAYER	176.77		100/50mm		13.0
			REFUSAL		
End of Boring					
		-6.0			

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)

BBS, form 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG FOR
MAST ARM FOUNDATION
IL. 47 (BRIDGE ST.)/
VAN EMMON ST. & FOX ST.

SCALE: NONE DRAWN BY: SL
DATE: MARCH, 2010 CHECKED BY: KC

PLOT DATE = 8/11/2011
FILE NAME = h:\5122\design\646-647BoringLogs.dgn
PLOT SCALE = 20.8333 ' / IN.
USER NAME = _USERDESCR_