



SOIL BORING LOG

ROUTE FAP 774 (IL 3233) DESCRIPTION TS Mast Arm Foundations: IL 3233 and Ford Ave LOGGED BY E. Sandschafer

SECTION 107Z/TSL-4 LOCATION SE 14, SEC. 18, TWP. 8 N, RNG. 6 E, 3 PM

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

STRUCT. NO. gINT File	D	B	U	M	Surface Water Elev. NA ft	D	B	U	M
Station 025-1604	E	L	C	O	Stream Bed Elev. NA ft	E	L	C	O
	P	O	S	I		P	O	S	I
BORING NO. 1 (SW)	T	W	S	S	Groundwater Elev.:	T	W	S	S
Station 43+00	H	S	Qu	T	First Encounter 579.8 ft	H	S	Qu	T
Offset 48.00ft Rt					Upon Completion 578.1 ft				
Ground Surface Elev. 591.76 ft	(ft)	(6")	(tsf)	(%)	After 24 Hrs. 587.6 ft	(ft)	(6")	(tsf)	(%)

Very stiff to stiff, damp, gray mottled red, CLAY w/trace fine gravel and sand.	2				Benchmark: TBM painted square on sidewalk ramp in SE quadrant of IL 3233 and Ford Avenue intersection = 591.06'				
	4	2.1	14						
	5	B							
	2								
	4	1.5	15						
Soft, very damp, red, SANDY LOAM w/trace fine gravel.	3	0.3	17						
	4	B							
Very stiff to hard, very moist, red to gray, SANDY CLAY LOAM TILL.	13								
	31	4.0	7						
	39	S							
	16								
	29	6.5	8						
* Note: Samples re-assembled to test for Qu.	38	S *							
	20								
Hard, very moist, tan mottled red, SILTY CLAY LOAM TILL.	34	6.5	7						
	50	S *							
	19								
Extent of exploration.	30	6.1	7						
	38	S *							

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, from 137 (Rev. 8-99)



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STRUCT. NO. gINT File	D	B	U	M	Surface Water Elev. NA ft	D	B	U	M
Station 025-1604	E	L	C	O	Stream Bed Elev. NA ft	E	L	C	O
	P	O	S	I		P	O	S	I
BORING NO. 2 (NE)	T	W	S	S	Groundwater Elev.:	T	W	S	S
Station 41-65	H	S	Qu	T	First Encounter Dry ft	H	S	Qu	T
Offset 46.00ft Lt					Upon Completion Dry ft				
Ground Surface Elev. 589.84 ft	(ft)	(6")	(tsf)	(%)	After 24 Hrs. 583.6 ft	(ft)	(6")	(tsf)	(%)

Very stiff to medium, damp, red marbled gray, CLAY w/trace sand.	3				Soft, damp, gray, SANDY LOAM	24	0.4	19
	3	2.4	17					
	4	B						
	2							
	2	1.0	15					
Very stiff, very moist, gray, SANDY CLAY TILL.	12	3.9	10		Brown, CLAY TILL.	21	S	
	23	B						
Very stiff, very moist, gray, SANDY LOAM TILL.	17				Extent of exploration.			
	36	3.1	7					
	505"	S *						
	7							
	505"	4.5	7					
* Note: Samples re-assembled to test for Qu.	500"	PP			Benchmark: TBM painted square on sidewalk ramp in SE quadrant of IL 3233 and Ford Avenue intersection = 591.06'			
	500"							
Hard, very moist, tan mottled red, SILTY CLAY LOAM TILL.	29							
	40	3.7	8					
	50	S *						
Extent of exploration.	30							
	505"	6.3	7					
	504"	S						

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 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)

PLOT DATE = 8/1/2006
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = dnt-101

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	

BORING LOGS

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY DIST. 7
 CHECKED BY L.A.M.