

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	*	COLES	7	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\* D7 SIGNAL MODERNIZATION 2007-1



Illinois Department of Transportation  
Division of Highways  
Ill. Dept. of Trans. D-7

SOIL BORING LOG

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ROUTE FAP 824 (US 45) DESCRIPTION D7 Signal LOGGED BY E. Sandschafer  
SECTION Modernization 2007-1 LOCATION Sec 13 - SW 14, Sec 14 - SE 14, SEC., TWP. 12 N. RNG. 7 E, 3 PM

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

STRUCT. NO. <u>gINT file</u>	D	B	U	M	Surface Water Elev. <u>NA</u> ft	D	B	U	M
Station <u>015-ts01</u>	E	L	C	O	Stream Bed Elev. <u>NA</u> ft	E	L	C	O
BORING NO. <u>1 (NE)</u>	P	O	S	I	Groundwater Elev.:	P	O	S	I
Station <u>30+28</u>	T	W	S	S	First Encounter	T	W	S	S
Offset <u>27.00ft Rt</u>	H	S	Qu	T	Upon Completion <u>179.7</u> ft	H	S	Qu	T
Ground Surface Elev. <u>198.71</u> ft	(ft)	(6")	(tsf)	(%)	After <u>24</u> Hrs. <u>193.5</u> ft	(ft)	(6")	(tsf)	(%)

3 1/2" Asphalt on 9 1/2" Concrete pavement.					Stiff, damp, gray, CLAY TILL. (continued)				
	197.81				Extent of exploration.	177.71			
Medium to stiff, damp, gray, CLAY w/strong petroleum odor.					Benchmark: TBM chiseled square on NW corner of existing NE signal foundation at Marshall Avenue and US 45 = assumed 200.00'				
		2							
		3	1.3	19					
		4	B						
		0							
		2	0.7	15					
		3	B						
		1							
		3	1.0	13					
		4	B						
		3							
		5	1.6	12					
		7	B						
Stiff, damp, gray, CLAY TILL.	186.21								
		6	3.0	10					
		8	B						
		4							
		5	1.7	11					
		7	B						
		3							
		5	1.5	11					
		7	B						
		3							

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

STRUCT. NO. <u>gINT file</u>	D	B	U	M	Surface Water Elev. <u>NA</u> ft	D	B	U	M
Station <u>015-ts01</u>	E	L	C	O	Stream Bed Elev. <u>NA</u> ft	E	L	C	O
BORING NO. <u>2 (SW)</u>	P	O	S	I	Groundwater Elev.:	P	O	S	I
Station <u>29+11</u>	T	W	S	S	First Encounter	T	W	S	S
Offset <u>26.00ft Lt</u>	H	S	Qu	T	Upon Completion <u>176.0</u> ft	H	S	Qu	T
Ground Surface Elev. <u>197.95</u> ft	(ft)	(6")	(tsf)	(%)	After <u>24</u> Hrs. <u>192.8</u> ft	(ft)	(6")	(tsf)	(%)

3 5/8" Asphalt on 8 1/4" Concrete pavement.					Stiff, damp, gray, CLAY TILL. (continued)				
	198.95				Extent of exploration.	175.95			
Stiff, damp, dark brown, SILTY CLAY.					Benchmark: TBM chiseled square on NW corner of existing NE signal foundation at Marshall Avenue and US 45 = assumed 200.00'				
		2							
		3	1.5	23					
		5	B						
		2							
		3	0.8	15					
		3	B						
		0							
		1	0.2	20					
		1	B						
		0							
		2							
		5	2.9	13					
		6	B						
		2							
		6	1.4	11					
		7	B						
		3							
		3	1.2	12					
		6	B						
		2							

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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 = 8/15/2006  
File Name = c:\projects\74205\807786\807786.dgn  
Plot Scale = 23.0000 / IN.  
User Name = swartz

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BORING LOGS**  
SCALE: VERT. HORIZ.  
DATE  
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