

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MARION	17	17C
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- \* VARIOUS ROUTES
- \*\* D7 SIGNAL MODERIZATION 2006-2



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

SOIL BORING LOG

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Date 4/14/06

ROUTE US 51 DESCRIPTION NB US 51 & 2nd Street - NW Corner LOGGED BY E. Sandschafer

SECTION D7 Signal Modification 2006-2 LOCATION SE 14, SEC. 7, TWP. 1 N, RNG. 1 E, 3 PM

COUNTY Marion 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 061-ts02	E	L	C	O	Stream Bed Elev.	NA	ft	E	L	C	O	
BORING NO. 5	P	O	S	I	Groundwater Elev.:			P	O	S	I	
Station *	T	W	S	S	First Encounter	Dry	ft	T	W	S	S	
Offset 17.00ft W of US 51 CL	H	S	Qu	T	Upon Completion	479.9	ft	H	S	Qu	T	
Ground Surface Elev. 494.91					After	Hrs.	Hole Caved	ft	(ft)	(6")	(tsf)	(%)

3 1/2" Asphalt on 10 1/4" Concrete pavement.	493.61				Very dense, moist, gray, SANDY CLAY SHALE. (continued)	474.31	501"				6
Stiff, damp, gray, CLAY w/silt.					Extent of exploration.						
		0			Benchmark: BM305 = 497.58'						
		3	1.4	26	Provided by Program Development.						
		4	B								
Soft, very damp, gray, SILTY CLAY w/strong petroleum odor.	490.41				* Location B5: 37' N of 2nd Street Centerline, 17' W of NB US 51 Centerline.						
		3									
		4	0.4	23							
		4	B								
Medium to stiff, damp, gray, CLAY w/strong petroleum odor.	487.71										
		1									
		3	1.0	22							
		4	B								
With Sand.		1									
		3	1.7	23							
		4	B								
Medium, damp, red mottled gray, SILTY LOAM.	482.91										
		1									
		2	0.7	22							
		3	B								
Very stiff, damp, red, SANDY LOAM TILL.	480.41										
		3									
		6	2.1	16							
		9	B								
Hard, moist, brown, CLAY SHALE.	477.41										
		6									
		11	4.1	17							
		19	B								
	475.41										
		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)

BBS, from 137 (Rev. 8-99)



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

SOIL BORING LOG

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Date 4/17/06

ROUTE US 51 DESCRIPTION NB US 51 & 2nd Street - NE Corner LOGGED BY E. Sandschafer

SECTION D7 Signal Modification 2006-2 LOCATION SE 14, SEC. 7, TWP. 1 N, RNG. 1 E, 3 PM

COUNTY Marion 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 061-ts02	E	L	C	O	Stream Bed Elev.	NA	ft	E	L	C	O	
BORING NO. 6	P	O	S	I	Groundwater Elev.:			P	O	S	I	
Station *	T	W	S	S	First Encounter	485.9	ft	T	W	S	S	
Offset 48.00ft E of US 51 CL	H	S	Qu	T	Upon Completion	485.9	ft	H	S	Qu	T	
Ground Surface Elev. 495.02					After	Hrs.	Hole Caved	ft	(ft)	(6")	(tsf)	(%)

2 3/8" Asphalt on 9 1/2" Concrete pavement.	494.02				Benchmark: BMS05 = 497.58'						
Medium to stiff, damp, gray/brown, CLAY.					Provided by Program Development.						
		3									
		4	1.7	29							
		5	B								
Soft, very damp, gray, SILTY CLAY w/strong petroleum odor.	490.41				* Location B5: 37' N of 2nd Street Centerline, 17' W of NB US 51 Centerline.						
		2									
		3	1.0	20							
		3	B								
Medium to stiff, damp, gray, CLAY w/strong petroleum odor.	487.71										
		2									
		3	1.0	21							
		4	B								
With Sand.		1									
		3	1.3	22							
		4	B								
Medium, damp, red mottled gray, SILTY LOAM.	483.02										
		4									
		4	1.4	17							
		6	B								
Estimated Medium, very damp, red, CLAY LOAM.	480.52										
		4									
		8	3.6	11							
Very stiff, very moist, red, CLAY LOAM TILL.	480.02										
		3	BS								
		9									
1" fine grained Sand layer.		19	3.8	14							
		31	BS								
Extent of exploration.	476.52										

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)

Plot Date = 5/24/2006  
File Name = BFILE1  
Scale = 1:1  
User Name = ebschaf

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS  
NB U.S. 51 & 2ND ST.

SCALE: VERT.  
DATE: HORIZ.

DRAWN BY  
CHECKED BY

Added Sheet 5-31-06