

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 2

Int. State 57 Over Lake Creek Branch
Route: FAI 57 Structure Number: 100-0010 - 100-0011 Date: 2/17/2005
Section XI-4B-1 Bored By: Bryan Keller
County: Williamson Location: 4 MI N Marion Checked By: Rob Graeff

Boring No 1-S Station 227+77 Offset 17' LT Median CL Ground Surface 409.7 Ft	D E P T H	B L O W	Qu tsf	W%	Surf Wat Elev: 0.0 Ground Water Elevation when Drilling 372.2 At Completion 384.1 At: 3 Hrs: 395.9	D E P T H	B L O W	Qu tsf	W%	
Stiff, very moist, brown, Silty Clay A-6								4	3.1S	18
					382.7			6		
	1							1		
	2	1.4S	19					5	2.7S	17
	2							8		
405.2					380.2					
Very stiff, very moist, brown, Silty Clay Loam A-6	5.0	1						1		
	3	2.1S	18					7	5.6B	12
	5							9		
	1							3		
	4	2.3S	19					13	5.2S	16
	4							14		
400.2					375.2					
Stiff, very moist, brown, Silty Clay Loam A-6	10.0	WH						1		
	3	1.1S	22					6	2.9B	15
	3							0		
397.7								2	2.6S	16
Medium, very moist, brown, Silty Clay Loam A-6		WH						6		
	2	0.9B	25		371.7			6		
	3							100/3"		
395.2										
Very stiff, very moist, brown, Silty Clay A-6	15.0	1						40.0		
	1	2.7B	19					65.0		
	5									
	1				387.7			46		
	4	2.1S	19					100/11"		
	5									
390.2										
Stiff, very moist, brown, Silty Clay A7-6	20.0	1						45.0		
	3	1.5B	19					70.0		
	5									
	1									
	5	1.8S	18							
	5									
25.0	1							50.0		

N-Std Pentr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

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District Nine Materials

Bridge Foundation
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Sheet 2 of 2

Route: FAI 57
Structure Number: 100-0010 - 100-0011 Date: 2/17/2005
Section XI-4B-1 Bored By: Bryan Keller
County: Williamson Location: 4 MI N Marion Checked By: Rob Graeff

Boring No: 1-S Station: 227+77 Offset: 17' LT Median CL Ground Surface: 409.7 Ft	D E P T H	B L O W	Qu tsf	W%	Surf Wat Elev: 0.0 Ground Water Elevation when Drilling 372.2 At Completion 384.1 At: 3 Hrs: 395.9	D E P T H	B L O W	Qu tsf	W%
BK. N. Abut Sta 228+45.68 cr. EL. 410.48 Str 100-0010									
To convert "N" values to "N60" values multiply by 1.25.									

N-Std Pentr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

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District Nine Materials


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Boring Log
Sheet 1 of 1

Int. State 57 Over Lake Creek Branch
Route: FAI 57 Structure Number: 100-0010 - 100-0011 Date: 2/17/2005
Section XI-4B-1 Bored By: Bryan Keller
County: Williamson Location: 4 MI N Marion Checked By: Rob Graeff

Boring No 2-S Station 228+61 Offset 11' Rt Median CL Ground Surface 409.0 Ft	D E P T H	B L O W	Qu tsf	W%	Surf Wat Elev: 0.0 Ground Water Elevation when Drilling 394.5 At Completion 380	D E P T H	B L O W	Qu tsf	W%	
Very stiff, moist, brown, Silty Clay A-6								3	1.2S	25
								4		
	1				382.0			1		
	4	2.1B	17					12	1.5B	21
	4							23		
405.2					379.5			30.0		
Very stiff, very moist, brown, Silty Clay A-6	5.0	1						3		
	3	2.5B	18					100/12"		
	4									
	1									
	4	3.5S	17							
	4									
399.5										
Stiff, very moist, grey, Silty Clay Loam A-6	10.0	1						35.0		
	4	1.5S	19							
	4									
	WH									
	1	1.3S	25							
	1									
394.5										
Stiff, very moist, brown mottled grey, Silty Clay A7-6	15.0	1						40.0		
	4	1.6S	22							
	4									
392.0										
Very stiff, very moist, brown, Silty Clay A7-6		1								
	4	2.1S	19							
	5									
389.5										
Stiff, very moist, brown, Clay to Silty Clay A7-6	20.0	1						45.0		
	4	1.6S	22							
	5									
	1									
	5	1.8S	18							
	5									
387.0										
Very stiff, moist, brown, Silty Clay A7-6 with some Pea Gravel		1								
	4	2.1B	19							
	6									
384.5										
25.0	1							50.0		

N-Std Pentr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

BORING LOGS
F.A.I. RTE. 57 OVER
LAKE CREEK BRANCH
STATION 228+25.00
STRUCTURE NO. 100-0010 (N.B.)
STRUCTURE NO. 100-0011 (S.B.)

 CRAWFORD MURPHY & TILLY, INC. CONSULTING ENGINEERS SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO ROCKFORD, IL ■ PEORIA, IL ■ CHICAGO, IL	SHEET NO. 29	F.A.S. RTE. I-57	SECTION (X1-4-1) BR -1	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 112
	29 SHEETS	CONTRACT NO. 78334			FED. ROAD DIST. NO. 9 ILLINOIS FED. AID PROJECT	
DESIGNED BY: KEH CHECKED BY: WLB	DRAWN BY: GLD DATE: 4/12/10					