F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2905	113B-1	WILLIAMSON	87	49
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract 98777

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 2

Illinois Route 37 Over BN Railroad
Route: ILL 37 Structure Number: 100-0027 Date: 9/10/2002
Section 113 V.B F. Bored By: Bryan Keller
County: Williamson Location: 1.7 Miles North of Illinois 148 Checked By: Rob Graeff

Boring No 3-S
Station 377+85
Offset 9' LT CL
Ground Surface 541.1 Ft

Surf Wat Elev:
Ground Water Elevation
when Drilling 499.1
At Completion
At: Hrs:

DEPTH	BLOW	Qu tsf	W%	Description
				Core Deck
540.1				
				Suspend Augers
5.0				
10.0				
15.0				
521.6				
20.0	1			Stiff, moist, brown mottled grey,
	2	1.8S	17	Silty Clay Loam A-6
	2			
519.1				
	1			Very stiff, moist, brown, Silty
	2	2.5P	17	Clay A-6
	2			
516.6				
25.0	WH			
	1			Stiff, moist, brown, Silty Clay
	2	1.7S	21	A7-6
514.1				
	1			Very stiff, moist, brown, Silty
	2	2.8S	19	Clay A-6
	3			
511.6				
30.0	1			Stiff, moist to very moist, brown,
	2	1.6B	21	Silty Clay A-6 with Coal Chips
	9			
509.1				
	1			Medium, very moist, grey mottled
	2	0.9B	29	brown, Clay A7-6
	2			
506.6				
35.0	WH			Stiff, moist to very moist, grey,
	1	1.2B	26	Silty Clay Loam A-6
	2			
504.1				
	WH			Very stiff, moist, grey mottled
	3	2.9S	17	brown, Clay A7-6
	4			
501.6				
40.0	1			Stiff, moist, grey mottled brown,
	11	1.4S	27	Clay A7-6 with a weathered
	21			Sandstone Layer
499.1				
	100/7"			Hard, dry, brown, Sandstone
45.0	100/5"			
491.6				
50.0	3			Hard, dry, brown Weathered

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 2

Illinois Route 37 Over BN Railroad
Route: ILL 37 Structure Number: 100-0027 Date: 9/13/2002
Section 113 V.B F. Bored By: Bryan Keller
County: Williamson Location: 1.7 Miles North of Illinois 148 Checked By: Rob Graeff

Boring No 4-S
Station 377+56
Offset 12' RT CL
Ground Surface 541.2 Ft

Surf Wat Elev:
Ground Water Elevation
when Drilling 496.7
At Completion 499.5
At: Hrs:

DEPTH	BLOW	Qu tsf	W%	Description
				Bituminous Pavement
540.2				
	1			Stiff, very moist, brown, Silty
	1	1.5B	23	Clay A-6
	1			
536.7				
5.0	1			Very stiff, moist to very moist,
	2	2.1B	20	brown, Silty Clay Loam A-6
	2			
534.2				
	WH			Stiff, very moist, brown, Silty
	1	1.2B	25	Clay Loam A-6
	1			
531.7				
10.0	WH			Soft to medium, very moist, brown,
	1	0.5B	23	Clay to Silty Clay Loam A-6
	1			with some Gravel
529.2				
	1			Stiff, very moist, brown mottled
	1	1.2B	25	grey, Clay to Silty Clay A7-6
	1			with some Gravel
15.0	1			
	1	1.8B	23	
	2			
524.2				
	1			Very stiff, moist, brown mottled
	1	2.2B	21	grey, Clay A7-6
	1			
521.7				
20.0	WH			Stiff, very moist to moist, brown
	1	1.3S	26	Clay A7-6
	2			
	1			
	1	1.4B	21	
	2			
516.7				
25.0	1			
	2	2.7B	22	Very stiff, moist, brown, Clay
	3			A7-6
514.2				
	3			Stiff, moist, grey, Silty Clay
	5	1.4B	17	Loam A-6
	5			
511.7				
30.0	1			Stiff, moist to very moist, grey,
	1	1.1S	22	Silty Clay A-6
	2			
509.2				
	1			Medium, very moist, grey mottled
	1	0.9B	29	brown, Silty Clay A-6
	1			
506.7				
35.0	WH			Stiff, very moist, grey, Silty Clay
	1	1.1B	21	Loam A-6
	2			
504.2				
	1			Very stiff, moist, grey mottled
	3	2.1B	26	brown, Clay to Silty Clay A7-6
	3			
501.7				
40.0	1			Stiff, very moist, grey mottled
	4	1.1B	#424	brown, Silty Clay A7-6 with
	3			some Gravel
496.7				
45.0	100/6"			Hard, dry, brown, Sandstone
496.2				Bottom of hole = 45.0 ft
				Free water observed at 44.5 ft
				Elevation referenced to center of Existing Structure at N Abut Elevation = 540.3 ft.
50.0				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)

Sheet 2 of 2

Route: ILL 37 Date: 9/10/2002
Section: 113 V.B F.
County: Williamson

Boring No: 3-S
Station: 377+85
Offset: 9' LT CL
Ground Surface: 541.1 Ft

DEPTH	BLOW	Qu tsf	W%	Description
	21			Sandstone with a Clay Shale
	22			Layer
496.6				
55.0	100/1"			Hard, dry, brown, Sandstone
60.0				
				Free water observed at 42.0 ft.
				Elevation referenced to center of Existing Structure at N Abut Elevation = 540.3 ft.
481.1	100/6"			Hard, dry, grey, Clay Shale
65.0				
				To convert "N" values to "N60" values multiply by 1.25.
				Bottom of hole = 60.0 ft.

REVISIONS	
NAME	DATE

CMT
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO
ROCKFORD, IL ■ PEORIA, IL ■ CHICAGO, IL

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS 2
F.A.S. ROUTE 2905 (IL. RTE. 37)
ILLINOIS ROUTE 37 OVER
BN/SF RAILROAD
SECTION 113B-1 STA. 376+46.00
STR. NO. 100-0090 - WILLIAMSON COUNTY

SCALE: NONE DRAWN BY: GLD
DATE: 12/14/07 CHECKED BY: WLB

L:\IDOT\06066G\SN.1000090\draw\sheets\BORING LOGS 2.dgn
12/5/2007