STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	(X1-6-2)HBL	Williamson	272	166
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 31
33 SHEETS

Contract # 98994

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 1

Morgan Avenue Over Interstate 57

Route: Morgan Avenue Structure Number: 100-6023 Date: 3/6/2006
Section Bored By: Bryan Keller
County: Williamson Location: .3 MI. N. Route 13 Checked By: R Moberly

Boring No 1-S-(C)
Station 34+71
Offset CL
Ground Surface 468.5 Ft

Surf Wat Elev:
Ground Water Elevation
when Drilling 464
At Completion
At: 24 Hrs: 466.7

DEPTH	BLOW	Qu tsf	W%
	5		
	23	4.5B	18
	22		
464.0			
Hard, dry, brown, Sandstone 5.0	100/8"		
463.0			
Cored from 5.5 ft to 10.5 ft Hard, dry, brown to grey Sandstone with Clay Shale seams 100 % Recovery 45 % RQD			
10.0 458.0			
Cored from 10.5 ft to 15.5 ft Hard, dry, grey, Sandstone 100 % Recovery 55 % RQD			
15.0 453.0			
Cored from 15.5 ft to 20.5 ft. Hard, dry, grey, Sandstone with Clay Shale Layers 100 % Recovery 100 % RQD			
20.0 448.0			
Bottom of hole = 20.5 ft Free water observed at 4.5 ft			
25.0			

Elevation referenced to pavement elev at CL of I-57 SB Station 1475+00

To convert "N" values to "N60" value multiply by 1.25.

DEPTH	BLOW	Qu tsf	W%
30.0			
35.0			
40.0			
45.0			
50.0			

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 1

Morgan Avenue Over Interstate 57

Route: Morgan Avenue Structure Number: 100-6023 Date: 3/7/2006
Section Bored By: Bryan Keller
County: Williamson Location: .3 MI. N. Route 13 Checked By: R Moberly

Boring No 2-S-(E)
Station 36+39
Offset 30' LT CL
Ground Surface 471.7 Ft

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

DEPTH	BLOW	Qu tsf	W%
Stiff, moist, brown, Silty Clay A-6			
	3		
	6	1.7B	22
	7		
467.2			
Very stiff, moist, brown mottled 5.0	5		
grey, Silty Clay A-6	9	3.5S	15
	10		
464.7			
Hard, dry, brown, Sandstone	100/11"		
463.7			
Bottom of hole = 8.0 ft			
No free water observed.			
10.0			
Elevation referenced to pavement elev at CL of I-57 SB Station 1475+00			
To convert "N" values to "N60" value multiply by 1.25.			
15.0			
20.0			
25.0			

DEPTH	BLOW	Qu tsf	W%
30.0			
35.0			
40.0			
45.0			
50.0			

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

THOUVENOT, WADE & MOERCHEN, INC.

TWM

DESIGNED	
CHECKED	
DRAWN	KBF
CHECKED	

SOIL BORING LOGS
MORGAN AVE. OVER I-57
FAI ROUTE 57 - SECTION (X-1-6-2)HBK
WILLIAMSON COUNTY
STATION 34+69.21
STRUCTURE NO. 100-0092

3/19/2007 P:\040600\dgn\Bridge\S31_040600_BLOG1.dgn