ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 72	*	SANGAMON	559	295
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 42

44 SHEETS

*(84-9-4)A,HBK,BY,BY-1 Contract No 72541

Illinois Department of Transportation
Division of Highways
IDOT DISTRICT 6

SOIL BORING LOG

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Date 12/96

ROUTE FAI 72/FAU 8021 DESCRIPTION Eastbound FAI 72 over UPRR LOGGED BY S. Lewis

SECTION (84-9-4)HBK,BY,BY-1 LOCATION NE 14, SEC. 20, TWP. 15 N, RNG. 5 W, 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140 # Manual

STRUCT. NO. 084-0074
Station 608+50

BORING NO. 1984-4 E. Abut
Station 609+37
Offset 39.00ft Rt
Ground Surface Elev. 601.5 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
▽ First Encounter No Data ft
▽ Upon Completion 598.0 ft
▼ After ___ Hrs. No Data ft

Description	Elev. (ft)	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Black SILTY CLAY LOAM	600.00				
Yellow and Grey SILTY CLAY	597.00				
Yellow and Grey SILT (Stiff)		-5	10	1.0 E	
			8	1.6 B	29
	593.50				
Brown and Grey CLAY LOAM (Medium)		-10	4	0.7 B	29
			5	0.6 B	
		-15	6		
	586.00				
Grey-Green SANDY CLAY LOAM (Till) (Stiff)			9	2.1 B	21
	582.00				
		-30	72	1.5	18
Brown and Grey-Green Thin Bedded SANDY CLAY (Stiff) (continued)	579.50			B	
Light Grey Thinly Bedded Sandy SHALE w/Mica and Organic Matl. on Bedding Planes (V. Stiff)			100 /1"		14
		-35	100 /6"	4.0 B	16
Boring Completed	574.50		100 /2"		
		-40			

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)

SOIL BORING MAGNETICS EXTENSOMETER SOLID STRUCTURE/LOAD DEFORMOLIGHT 12/96
SOIL BORING Latitude Longitude

Illinois Department of Transportation
Division of Highways
IDOT DISTRICT 6

SOIL BORING LOG

Page 1 of 1

Date 12/96

ROUTE FAI 72/FAU 8021 DESCRIPTION Westbound FAI 72 over UPRR LOGGED BY S. Lewis

SECTION (84-9-4)HBK,BY,BY-1 LOCATION NE 14, SEC. 20, TWP. 15 N, RNG. 5 W, 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140 # Manual

STRUCT. NO. 084-0075
Station 608+50

BORING NO. 1964-5 Pier 3
Station 609+40
Offset 41.00ft Lt
Ground Surface Elev. 601.5 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
▽ First Encounter 595.0 ft
▽ Upon Completion 596.0 ft
▼ After 24 Hrs. 597.0 ft

Description	Elev. (ft)	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Black SILTY CLAY LOAM	600.00				
Yellow and Grey SILTY CLAY (Stiff)		-5	7	1.1 B	29
	595.00				
Yellow and Grey SILT (Medium) Free Water			9	1.0 B	30
	592.00				
Brown and Grey CLAY LOAM (Medium)		-10	5		
			5	0.6 B	28
		-15	8	1.5 B	
	585.00				
Grey-Green SANDY CLAY LOAM			7	1.3 B	28
		-25	6		
Grey-Green SANDY CLAY LOAM (continued)	581.00				
Brown and Grey-Green Thin Layered CLAY (Hard)			44	4.3 S-10	17
	577.50				
Grey Sandy SHALE (V. Stiff)		-28	75		
		-29	100 /6"		
Boring Completed	569.50		100 /2"		
		-40			

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)

SOIL BORING MAGNETICS EXTENSOMETER SOLID STRUCTURE/LOAD DEFORMOLIGHT 12/96
SOIL BORING Latitude Longitude

Illinois Department of Transportation
Division of Highways
IDOT DISTRICT 6

SOIL BORING LOG

Page 1 of 1

Date 12/96

ROUTE FAI 72/FAU 8021 DESCRIPTION Westbound FAI 72 over UPRR LOGGED BY S. Lewis

SECTION (84-9-4)HBK,BY,BY-1 LOCATION NE 14, SEC. 20, TWP. 15 N, RNG. 5 W, 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140 # Manual

STRUCT. NO. 084-0075
Station 608+50

BORING NO. 1984-6 E. Abut
Station 609+52
Offset 55.00ft Lt
Ground Surface Elev. 601.5 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
▽ First Encounter No Data ft
▽ Upon Completion 596.0 ft
▼ After 24 Hrs. 597.0 ft

Description	Elev. (ft)	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Black SILTY CLAY LOAM	600.00				
Yellow and Grey SILTY CLAY		-5	6		
	595.00				
Yellow and Grey SILT (Stiff)			5	2.0 B	28
	592.00				
Brown and Grey CLAY LOAM (Medium)		-10	5	0.9 B	
			5		
		-15	5	0.7 B	34
	586.00				
Grey-Green SANDY CLAY LOAM (Medium)			9	1.0 B	24
	582.00				
		-30	55	2.9	19
Brown and Grey-Green Thinly Layered SANDY CLAY (V. Stiff) (continued)				S-20	
			100 /6"		
		-35	100 /6"		
Boring Completed	574.50		100 /1"		
		-40			

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)

SOIL BORING MAGNETICS EXTENSOMETER SOLID STRUCTURE/LOAD DEFORMOLIGHT 12/96
SOIL BORING Latitude Longitude

Corporate License Number 184-001-084

BORINGS
F.A.I. 72 OVER UNION PACIFIC RAILROAD
SECTION (84-9-4)A,HBK,BY,BY-1
SANGAMON COUNTY
STATION 608+51.98
STR NO. 084-0074 EB - 084-0075 WB

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HANSON

JOB# 96S2002B

DATE: 01/12/06

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12/16/2006

LAYOUT	MNM	06/27/03
DRAWN	DAP	07/17/03
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