ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 72	*	SANGAMON	559	294
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 41

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

Page 1 of 1

Date 12/94

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 1/4, 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. 1964-1 W. Abut
Station 607+20
Offset 55.00ft Rt
Ground Surface Elev. 601.0 ft

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

Groundwater Elev.:
▽ First Encounter No Data ft
▽ Upon Completion 594.0 ft
▽ After 24 Hrs. 596.5 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Black SILTY CLAY LOAM	599.50				
Yellow and Grey SILT (Soft)		-5	4		
Yellow and Grey SILTY CLAY (Soft)	594.50	-10	7	0.5 E	
		-15	5		
Brown and Grey CLAY LOAM (Medium)	589.00	-20	7	0.7 B	21
Grey-Green SILTY CLAY LOAM (Stiff)	586.00	-25	8	1.2 B	
	581.00	-30	6	1.2 B	
Grey-Green and Brown Layered SILTY CLAY w/Mica (V. Stiff)			22	3.1 S-15	
			60	3.1 S-15	
Light Grey Shaley CLAY (V. Stiff)	576.50	-35	100 /6"	3.1 S-15	
Boring Completed	571.00	-30	100 /1"	3.2 E	

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 MACARTHUR BETWEEN STATE STRUCTURE/LOAY DETERMINATION 12/94

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 1 of 1

Date 1/28/64

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 1/4, 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. 1964-2 W. Abut
Station 607+65
Offset 39.0ft Lt
Ground Surface Elev. 601.0 ft

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

Groundwater Elev.:
▽ First Encounter 593.5 ft
▽ Upon Completion 594.0 ft
▽ After 24 Hrs. 596.5 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Black Silty Clay LOAM	599.50				
Yellow and Grey Mottled SILTY CLAY		-5	5		
Yellow and Grey Mottled SILT	595.00	-10	11	0.5 E	
Brown and Grey Mottled CLAY LOAM	591.50	-15	3	0.6 B	
		-20	6	0.8 B	
Grey-Green SANDY CLAY LOAM (fill)	584.00	-25	5	1.0 B	
		-30	8	1.0 B	
Brown and Grey-Green Layered SILTY CLAY	580.50		22	1.8 S-15	
		-25	44	4.2 S-10	
Light Grey Shaley CLAY	575.00	-30	100 /10"	3.2 B	
Boring Completed	571.00	-40	100 /3"		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
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)

File Name S:\SOIL\SUNI FILES\MACARTHUR EXTENSION STATE STRUCTURE.GPJ Data Template IDOT.GDT Date Printed 12/22/05
Latitude Longitude Datum Job Number

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 1 of 1

Date 12/94

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 1/4, 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. 1964-3 Pier 3
Station 608+95
Offset 55.00ft 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 594.0 ft
▽ After 24 Hrs. 596.5 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Black SILTY CLAY LOAM	600.00				
Yellow and Grey SILTY CLAY		-5	5		
Yellow and Grey SILT (Medium)	596.00	-10	6	0.7 B	31
Brown and Grey CLAY LOAM	592.50	-15	5	1.0 B	
		-20	4		29
Grey-Green SANDY CLAY LOAM (Till) (Medium)	584.50	-25	5	0.9 B	
	582.00	-30	6	0.8 B	29
Brown and Grey-Green Thinly Layered SANDY CLAY (V. Stiff) (continued)				S-15	
Light Grey Thin Bedded SHALE (V. Stiff)	579.50	-35	100 /2"	2.9 S-10	
Boring Completed	574.50	-40	100 /1"		
			87	2.3	20

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 MACARTHUR BETWEEN STATE STRUCTURE/LOAY DETERMINATION 12/94

$FILE$
12/16/2006

LAYOUT	MNM	06/27/03
DRAWN	DAP	07/17/03
REVIEWED	JWM	10/27/03

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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JOB# 96S2002B

DATE: 01/12/06