ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 72 FAU 8021	*	SANGAMON	559	318
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 21
22 SHEETS

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

Illinois Department of Transportation
Division of Highways
HDOT DISTRICT 6

SOIL BORING LOG

Page 1 of 1

Date 41903

ROUTE FAI 72/FAU 8021 DESCRIPTION Ramp B Over UPRR LOGGED BY M. Tappan
(84-9-4) HBK, BY, BY-1
SECTION /02-00382-02-PV LOCATION NE 14, SEC. 20, TWP. 15 N, RNG. 5 W, 3 PM
COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 084-0514
Station 33+93.86
BORING NO. RB-6 W. Abut
Station 31+93
Offset 63.00ft Left
Ground Surface Elev. 600.7 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
First Encounter 591.7 ft
Upon Completion 595.7 ft
After 5 D Hrs. 592.7 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Tan and Light Gray Moist SILT Ref Classification RC-7-3			1		
		-5	2 2	0.7 B	26
	592.70				
Brown and Gray Moist SILTY CLAY LOAM Ref Classification RC-7-5 Free Water			0		
		-10	1 1	0.5 B	25
V. Moist			0		
			1 1	0.3 B	28
	586.70				
Brown and Gray Moist Weathered CLAY (Till) Ref Classification RC-7-6			0		
		-15	1 2	0.6 B	28
Light Blue Gray Moist CLAY (Till)			0		
			2 3	0.8 B	23
	582.70				
Olive Brown and Blue Gray Very Weathered Clayey SHALE w/ Sandy SHALE Seams			2		
		-20	5 9		19

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Olive Brown and Blue Gray Very Weathered Clayey SHALE w/ Sandy SHALE Seams (continued)					
			9		
Gray Dry Fissile Micaceous Clayey SHALE			25		10
	575.70	-25	49		
		-30			
		-35			
		-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)

Illinois Department of Transportation
Division of Highways
HDOT DISTRICT 6

SOIL BORING LOG

Page 1 of 1

Date 81904

ROUTE FAI 72/FAU 8021 DESCRIPTION Ramp B Over UPRR LOGGED BY M. Tappan
(84-9-4) HBK, BY, BY-1
SECTION /02-00382-02-PV LOCATION NE 14, SEC. 20, TWP. 15 N, RNG. 5 W, 3 PM
COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 084-0514
Station 33+93.86
BORING NO. RB-7A Pier
Station 32+82
Offset 8.00ft Right
Ground Surface Elev. 604.8 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
First Encounter 585.8 ft
Upon Completion Dry ft
After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey and Brown Moist SILTY CLAY (Fill)			1		
			1		
w/Cinders			3	1.7	22
		-5	3	B	
	599.30				
Grey and Brown Moist SILTY CLAY			1		
			2	1.8	26
			4	B	
	596.30				
Tan and Grey V. Moist SILT			1		
			1	0.5	26
		-10	3	B	
Moist			1		
			1	1.3	25
			3	B	
	591.30				
Brown and Grey V. Moist SILTY CLAY LOAM			1		
			2	0.4	25
		-15	1	B	
	589.30				
Brown and Grey Moist SILTY CLAY			0		
			1	0.6	27
			1	B	
	586.30				
Brown and Grey Moist Weathered SILTY CLAY (Till) Free Water			1		
		-25	2 1	10 B	26

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown and Grey Moist Weathered SILTY CLAY (Till) (continued)			1		
			3 3	1.1 B	18
	582.30				
SHALE			1		
Olive Brown and Gray Moist V. Weathered Micaceous Clayey SHALE			4		16
		-35	14		
Gray Dry Fissile Clayey SHALE			8		
			42		9
		-39	52		
			/5"		
Boring Completed		-40	30 /1"		

Refer Station to Power Pole and Existing Barrier Wall - See Diagram on Field Log

Refer Elevation to BM # 374, RR Spike in Power Pole = 604.5

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)

Illinois Department of Transportation
Division of Highways
HDOT DISTRICT 6

SOIL BORING LOG

Page 1 of 1

Date 41903

ROUTE FAI 72/FAU 8021 DESCRIPTION Ramp B Over UPRR LOGGED BY M. Tappan
(84-9-4) HBK, BY, BY-1
SECTION /02-00382-02-PV LOCATION NE 14, SEC. 21, TWP. 15 N, RNG. 5 W, 3 PM
COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 084-0514
Station 33+93.86
BORING NO. RB-9 Pier
Station 34+54
Offset 68.00ft Left
Ground Surface Elev. 604.6 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
First Encounter 590.6 ft
Upon Completion Dry ft
After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown and Gray Moist SILTY CLAY Fill w/Light Brown Medium SAND Fill			1		
			1		
		-5	2 3	0.9 B	25
	599.10				
Brown and Gray Moist SILTY CLAY Fill			2 2	0.7 B	23
	596.60				
Brown Moist Medium Clean SAND			0		
			1 2		
		-10			
Brown Medium To Coarse Clean SAND			0		
			0 1		
	590.60				
Brown and Gray Moist SILTY CLAY LOAM Ref Classification RC-7-4 Free Water			0	0.4	26
		-15	0	B	
	589.10		weight of hammer		
Brown and Gray Moist Weathered SILTY CLAY LOAM Ref Classification RC-7-5			0	0.5	26
			1 1	B	
	586.60				
Brown and Gray Moist Weathered CLAY (Till) Ref Classification RC-7-6			0		
		-20	1 2	0.7 B	27

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown and Gray Moist Weathered CLAY (Till) Ref Classification RC-7-6 (continued)			0		
			1 3	0.5 B	25
	581.60				
Brown and Gray Moist V. Weathered Clayey SHALE			1		
			5 8		23
		-35			
Gray Dry Fissile Clayey SHALE			11		
			61		9
		-30	39		
			/1"		
			12		
	570.10		100		8
Boring Completed		-35	/6"		
Revised Station 09/1504					
		-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)

Corporate License Number 184-001-084

BORINGS
I-72/MACARTHUR BLVD. RAMP B OVER UPRR
SECTION (84-9-4)A,HBK,BY,BY-1
SANGAMON COUNTY
STATION 33+95.61
STRUCTURE NUMBER 084-0514

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HANSON

JOB# 96S2002B
DATE: 11/16/05

$FILE$
12/16/2006

LAYOUT	MNM	06/27/03
DRAWN	DAP	01/04/05
REVIEWED	JWM	02/24/05