ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8071	*	SANGAMON	559	252
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 26
27 SHEETS

*02-00382-02-PV CONTRACT NO. 72541

Illinois Department of Transportation
Division of Highways
IDOT DISTRICT 6

SOIL BORING LOG

Page 1 of 1

Date 4/15/03

ROUTE FAI 72/FAU 8021 DESCRIPTION MacArthur Over NSRR LOGGED BY M. Tappan

SECTION (84-9-4) HBK, BY, BY-1 /02-00382-02-PV LOCATION SE 14, SEC. 17, TWP. 15 N, RNG. 5 W, 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 084-0512
Station 800+69.78

BORING NO. MAS-16 N. Pier
Station 801+15
Offset 35.00ft Left
Ground Surface Elev. 600.5 ft

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

Groundwater Elev.:
First Encounter 589.0 ft
Upon Completion 591.5 ft
After 24 Hrs. 597.5 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Tan and Light Gray Moist SILT LOAM			1		
			1	0.7	26
		-5	2	B	
Tan and Light Gray Moist SILT	595.00		1		
			2	0.8	31
			2	B	
Gray and Brown Moist SILTY CLAY LOAM	591.50		1		
			2	0.7	24
		-10	3	B	
Brown and Gray Moist SILT CLAY Free Water	590.00		0		
			1	0.4	26
			2	B	
Brown and Gray Moist Weathered SILTY CLAY (Till)	587.50		0		
			1	0.7	26
		-15	2	B	
Light Blue Gray Moist CLAY LOAM (Till)	585.00		1		
			1	0.7	23
			2	B	
Brown and Gray Moist CLAY LOAM (Till) w/* Medium SAND			0		
			3	1.0	21
		-20	2	B	
Seam Light Blue Gray Moist CLAY LOAM (Till) (continued)			3		
Gray Moist CLAY LOAM (Till)			12	4.5	12
		-25	17	B	
Brown Well Indurated Crystalline LIMESTONE	574.50		100		
			/1"		
Gray	572.50		100		
			/1"		
		-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)

EQ. SCHED 286-SS-6 MACARTHUR EXTENSION/OFF DETOUR/CUT 9000%
Latitude Longitude

Illinois Department of Transportation
Division of Highways
IDOT DISTRICT 6

SOIL BORING LOG

Page 1 of 2

Date 4/15/03

ROUTE FAI 72/FAU 8021 DESCRIPTION MacArthur Over NSRR LOGGED BY M. Tappan

SECTION (84-9-4) HBK, BY, BY-1 /02-00382-02-PV LOCATION SE 14, SEC. 17, TWP. 15 N, RNG. 5 W, 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 084-0512
Station 800+69.78

BORING NO. MAS-16 N. Pier
Station 801+60
Offset 35.00ft Right
Ground Surface Elev. 600.5 ft

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

Groundwater Elev.:
First Encounter 594.0 ft
Upon Completion 588.0 ft
After 24 Hrs. 597.0 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Tan and Light Gray Moist SILT LOAM			1		
			2	0.8	27
		-5	2	B	
Tan and Light Gray SILT Free Water	595.00		0		
			1	0.5	25
			2	B	
Brown and Gray Moist SILTY CLAY LOAM Poor Recovery	592.50		0		
			1	0.8	23
		-15	2	P	
Brown and Gray Moist SILTY CLAY	589.00		0		
			1	0.4	25
			1	B	
Brown and Gray Moist Weathered SILTY CLAY (Till)	587.50		0		
			1	0.7	25
		-15	2	B	
Light Blue Gray V. Moist SILTY CLAY (Till)	585.00		0		
			1	0.4	24
			2	B	
Brown and Gray Moist CLAY LOAM (Till)			0		
			3	1.1	15
		-25	2	B	
Brown and Gray Moist Weathered SILTY CLAY (Till) (continued)			1		
			3		
			10	6.7	11
		-35	16	B	
Brown and Gray Moist CLAY LOAM Poor Recovery	570.50		8		
			25	7.1	9
		-30	13	S-13	
Gray and Brown Moist Clayey Shale Weathered at Top			5		
			24		15
		-35	76		
			/6"		
Brown and Gray to Gray Dry Fissile Clayey SHALE	560.50		7		
			47		14
		-40	53		
		-45			
		-50			

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)

EQ. SCHED 286-SS-6 MACARTHUR EXTENSION/OFF DETOUR/CUT 9000%
Latitude Longitude

Illinois Department of Transportation
Division of Highways
IDOT DISTRICT 6

SOIL BORING LOG

Page 2 of 2

Date 4/15/03

ROUTE FAI 72/FAU 8021 DESCRIPTION MacArthur Over NSRR LOGGED BY M. Tappan

SECTION (84-9-4) HBK, BY, BY-1 /02-00382-02-PV LOCATION SE 14, SEC. 17, TWP. 15 N, RNG. 5 W, 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 084-0512
Station 800+69.78

BORING NO. MAS-16 N. Pier
Station 801+60
Offset 35.00ft Right
Ground Surface Elev. 600.5 ft

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

Groundwater Elev.:
First Encounter 594.0 ft
Upon Completion 588.0 ft
After 24 Hrs. 597.0 ft

Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
		/6"		
	-45			
	-50			
	-55			
	-60			

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)

EQ. SCHED 286-SS-6 MACARTHUR EXTENSION/OFF DETOUR/CUT 9000%
Latitude Longitude

Corporate License Number 184-001-084

BORINGS
MACARTHUR BLVD. OVER N.S. R.R.
SECTION 02-00382-02-PV
SANGAMON COUNTY
STATION 800+69.78
STRUCTURE NUMBER 084-0512

© Copyright Hanson Professional Services Inc. MS_YEAR

HANSON

JOB# 96S2002B

DATE: 10/30/05

$FILE$
12/16/2006

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