ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8071	*	SANGAMON	559	250
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 24
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 2

Date 3/19/03

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 1/4, 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-11 S. Abut
Station 799+00
Offset 35.00ft Left
Ground Surface Elev. 601.3 ft

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

Groundwater Elev.:
First Encounter 589.3 ft
Upon Completion 594.8 ft
After 9 D Hrs. 597.3 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Tan and Light Gray SILT LOAM			2		
		-5	4	1.0	24
			5	B	
	596.30				
Tan and Light Gray SILT			2		
			3	0.7	25
			3	B	
	592.80				
Brown and Gray Moist SILTY CLAY LOAM			1		
		-10	2	0.7	23
			2	B	
	590.30				
Brown and Gray V. Moist SILTY CLAY Free Water			0		
			0	0.4	25
			1	B	
	587.80				
Brown and Gray Moist SILTY CLAY (Till)			0		
		-15	1	0.6	28
			2	B	
	586.30				
Brown and Light Blue Gray Moist CLAY LOAM (Till)			1		
			1	0.6	21
			2		
			3		
Brown and Gray		-20	19	6.7	9
Brown and Light Blue Gray Moist CLAY LOAM (Till) (continued)			45	B	
			5		
			13	6.5	10
			29	S-12	
			5		
Grayish Brown		-35	13	7.5	10
			26	B	
Gray		-50	21	7.5	9
			22	B	
	550.80				
Gray Dry Fissile Clayey SHALE			7		
		-55	47		11
			53		
			/2"		
			17		
		-60	70		11

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
IDOT DISTRICT 6

SOIL BORING LOG

Page 2 of 2

Date 3/19/03

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 1/4, 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-11 S. Abut
Station 799+00
Offset 35.00ft Left
Ground Surface Elev. 601.3 ft

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

Groundwater Elev.:
First Encounter 589.3 ft
Upon Completion 594.8 ft
After 9 D Hrs. 597.3 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Gray Dry Fissile Clayey SHALE (continued)	550.80		30		
			/1"		
		-65			

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
IDOT DISTRICT 6

SOIL BORING LOG

Page 1 of 2

Date 3/14/03

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 1/4, 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-12 S. Abut
Station 799+50
Offset 35.00ft Right
Ground Surface Elev. 601.0 ft

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

Groundwater Elev.:
First Encounter 589.5 ft
Upon Completion 592.5 ft
After 13 D Hrs. 597.5 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Tan and Light Gray Moist SILT LOAM			0		
			2	0.6	31
		-5	2	B	
	596.50				
Tan and Light Gray Moist SILT			1		
			2	0.8	28
			3	B	
	593.00				
Gray Moist SILTY CLAY LOAM			0		
			1	0.7	24
		-10	2	B	
	590.50				
Brown and Gray Moist SILTY CLAY Free Water			0		
			1	0.6	29
			2	B	
			0		
			1	0.5	31
		-15	2	B	
	586.50				
Light Blue Gray Moist SILTY CLAY (Till)			1		
			2	1.0	22
			2	B	
			0		
Gray			1	0.6	23
		-20	4	B	
	580.50				
Gray to Reddish Brown Moist CLAY LOAM (Till)			3		
			46	10.0	11
			31		
			5		
Gray			13	6.2	11
		-35	24	B	
	573.00				
Gray and Brown Moist Weathered Clayey SHALE			7		
			14		15
		-30	25		
			5		
Gray Moist Clayey SHALE			15		14
		-35	34		
			12		
			35		14
		-40	62		

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

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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