ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log
Sheet 1 of 2

FAP 332 (US 45) Over Brush Creek

Route: FAP 332 (US 45) Structure Number: 083-2000 Date: 5/26/2010
Section 30BY Bored By: R Moberly
County: Saline Location: 1 mile South of Texas City Checked By: R Graeff

Boring No 1-S
Station 644+76
Offset 48' Rt CL
Ground Surface 369.7 Ft

Surf Wat Elev: 353.3
Ground Water Elevation
when Drilling 313.8
At Completion
At: Hrs:

	DEPTH	BLOWS	Qu tsf	W%
Asphalt and crushed aggregate				
368.7				
Stiff, moist, brown and grey, Clay A7-6		3		
		5	1.5B	27
		4		
365.2				
Very stiff, moist, grey, Clay A7-6	5.0	3		
		5	3.3B	19
		5		
		2		
		3	2.3B	23
		4		
	10.0	2		
		4	2.3B	25
		5		
357.7				
Stiff, moist, grey, Clay A7-6		1		
		3	1.6B	22
		4		
	15.0	1		
		3	1.7B	22
		4		
352.7				
Medium to stiff, moist to0 very moist, brown mottled grey, Clay A7-6		1		
		1	1.0B	23
		2		
350.2				
Stiff, moist, brown mottled grey, Clay A7-6	20.0	1		
		2	1.5B	22
		2		
		1		
		3	1.9B	21
		4		
	25.0	1		
Stiff, moist, brown mottled grey, Clay A7-6		3	1.9B	24
342.7		4		
Hard, damp, brown, Clay A7-6		5		
		11	6.2B	17
		15		
	30.0	5		
		11	5.0B	18
		12		
		6		
		13	5.4B	18
		18		
	35.0	6		
		12	5.1B	18
		15		
		5		
		13	5.6B	19
		18		
330.2				
Very stiff, damp, brown, Silt Loam to Silty Clay Loam A-4	40.0	8		
		17	2.6S	18
		20		
325.2				
Very stiff, moist, grey, Clay A7-6	45.0	3		
		8	3.2B	22
		10		
	50.0	3		

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

Route: FAP 332 (US 45)
Section: 30BY
County: Saline

Sheet 2 of 2
Date: 5/26/2010

Boring No: 1-S
Station: 644+76
Offset: 48' Rt CL
Ground Surface: 369.7 Ft

	DEPTH	BLOWS	Qu tsf	W%
Very stiff, moist, grey, Clay A7-6		6	3.2B	21
		8		
315.2				
Stiff, moist, grey, Silty Clay A-6	55.0	1		
		7	2.5B	22
		8		
310.2				
Medium, very moist, grey, Silty Clay Loam A-6	60.0	1		
		1	0.6B	20
		2		
305.2				
Very stiff, moist, brown mottled grey, Clay A7-6	65.0	2		
		6	3.1B	23
		8		
300.2				
Stiff, moist, brown mottled grey, Clay A7-6	70.0	1		
		3	1.8B	22
		5		
	75.0	2		
Stiff, moist, brown mottled grey, Clay A7-6		4	1.4B	23
		6		
290.2				
Medium, very moist, brown mottled grey, Clay A7-6	80.0	2		
		3	0.6B	22
		5		
	85.0			
283.7				
Hard, dry, grey, Clay Shale				
279.7	90.0	100/6"		

Bottom of hole = 90.0 feet

Free water observed at 39.5 feet

Elevation referenced to 1952 proposed crown grade: Elev.= 370.0 feet

To convert "N" values to "N60" multiply by 1.25

95.0
100.0

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

LIN ENGINEERING,LTD.
Consulting Engineers
Springfield, Illinois

USER NAME =	DESIGNED - RPW	REVISED
FILE NAME =	CHECKED - LMS	REVISED
PLOT SCALE =	DRAWN - AJF	REVISED
PLOT DATE =	CHECKED - LMS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 083-2023
SHEET NO. 6 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(29,30)R-1	SALINE	745	471
		CONTRACT NO. 78077		
	ILLINOIS FED. AID PROJECT			