STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	10-4-1HB-1	Champaign	38	11
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 2
14 SHEETS

BORING #2

Boring No. 2
Station 450+00
Offset 12' RT.

Surface Water El. —
Groundwater El. at Completion —
After 48 Hours 761.5

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface	763.5	0		
STIFF BROWN & GRAY MOTTLED CLAY				
	-5	6	1.0E	—
	757.5			
SOFT GRAY BROWN MOTTLED SILTY CLAY WITH FREE WATER	755.5	3	0.4B	27
RED BROWN SAND LOAM	754.0			
	-10	21	4.3B	13
HARD BROWN & GRAY MOTTLED CLAY TILL		13	2.7B	13
	749.5			
	-15	11	2.9B	17
VERY STIFF GRAY CLAY LOAM TILL		14	3.5B	12
	-20	16	4.1B	10

Description	Elevation	N	Qu t/s.f.	w (%)
SAND LENSES		18	4.3B	8
HARD GRAY CLAY LOAM TILL	-25	19	4.1B	10
	737.0			
VERY STIFF GRAY SANDY CLAY LOAM TILL WITH SAND LOAM LENSES		11	2.5B	11
	-30	13	1.8B	12
	732.0			
HARD GRAY SANDY CLAY LOAM TILL WITH SILT LOAM & SAND LOAM LENSES		36	—	—
	-35	42	6.5S	9
		25	5.2S	10
	723.0 -40	22	5.8S	10
LIMIT OF BORING	-45			

BORING #1

Boring No. 1
Station 450+72
Offset 15' RT.

Surface Water El. —
Groundwater El. at Completion —
After 48 Hours 761.8

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface	763.8	0		
STIFF BROWN & GRAY MOTTLED CLAY	761.8			
		6	1.0B	18
STIFF TO VERY STIFF BROWN MOTTLED CLAY TILL	-5	8	1.6B	15
		16	3.1B	14
	753.8 -10	22	4.5B	11
		19	4.7B	11
HARD GRAY CLAY LOAM TILL	-15	17	4.1B	12
		25	4.5B	9
	-20	19	4.5B	11

Description	Elevation	N	Qu t/s.f.	w (%)
HARD GRAY CLAY LOAM TILL		19	4.5B	10
	739.8			
VERY STIFF GRAY SANDY CLAY LOAM TILL WITH SAND LENSES	-25	16	3.9S	10
	736.3			
VERY STIFF GRAY CLAY LOAM TILL WITH SAND LENSES	-30	12	2.3B	11
	728.3 -35	16	2.5B	10
LIMIT OF BORING	-40			
	-45			

BORING #3

Boring No. 3
Station 449+28
Offset 12' RT.

Surface Water El. —
Groundwater El. at Completion DRY
After — Hours —

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface	763.3	0		
STIFF BROWN & GRAY MOTTLED CLAY	760.3			
	-5	8	1.7B	14
STIFF TO HARD BROWN CLAY TILL		16	3.1B	14
	-10	21	4.9B	13
	750.8	26	6.4B	12
HARD GRAY CLAY LOAM TILL	-15	17	4.3B	11
SILT LENSE		27	7.4B	10
SAND & SAND LOAM LENSES	-20	26	—	—
LIMIT OF BORING	740.3	20	5.0B	10

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".

Qu-Unconfined Compressive Strength-t/sf
w-Water Content-percentage of oven dry weight-%

Type failure
B-Bulge Failure
S-Shear Failure
E-Estimated Value
P-Penetrometer

DESIGNED	JNP
CHECKED	
DRAWN	jacobs
CHECKED	SFM

OCT 10 1968
EXAMINED [signature] ENGINEER OF TRAFFIC STRUCTURES
PASSED W.E. Baumann ENGINEER OF DESIGN
APPROVED V.E. Stall CHIEF HIGHWAY ENGINEER

BORINGS
F.A.I. RT. 74 SEC. 10-4-1HB-1
CHAMPAIGN COUNTY
STA. 1429+10.80