CONTRACT 70695

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	★	CHAMPAIGN	93	56
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 16
17 SHEETS

★ (10-92-8HB-1)BR

Illinois Department of Transportation
Division of Highways
IDOT - Dist 5

SOIL BORING LOG

Page 1 of 2

Date 3-6-02

ROUTE FAI 74 DESCRIPTION Just North of Ogden LOGGED BY CNA

SECTION (10,92-8)HB-1,HB-4)BR LOCATION NE, SEC. 8, TWP. 19N, RNG. 14W, 2nd PM

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 010-0277
Station 50+00

BORING NO. 1 Mid. Pier
Station 49+98
Offset 23.0 ft Lt.
Ground Surface Elev. 670.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 660.3 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Black Mottled Silty Clay			1		
			3	1.2	30
		-4	3	B	
	664.7				
Brown/Gray Silt			0		
			1	0.5	25
			2	B	
			0		
Brown Coarse Sand Seam			3	0.5	20
		▼-9	1	B	
	658.3		1		
Gray Clay Loam Till			3	1.7	15
			3	B	
			1		
		-14	3	1.4	15
			4	B	
			2		
			3	1.7	13
			5	B	
			2		
		-29	3	1.4	13
			7	B	
Gray Clay Loam Till (continued)	646.3		3		
Gray Silt		-24	5	1.4	21
			5	E	
Gray Clay Loam Till	643.3				
			5		
			7	4.1	12
		-19	11	B	
			11		
		-34	13	8.0	10
			24	B	
Gray Fine Well Sorted Sand & Silt	631.7		3		
			5		24
		-49	7		

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 - Dist 5

SOIL BORING LOG

Page 2 of 2

Date 3-6-02

ROUTE FAI 74 DESCRIPTION Just North of Ogden LOGGED BY CNA

SECTION (10,92-8)HB-1,HB-4)BR LOCATION NE, SEC. 8, TWP. 19N, RNG. 14W, 2nd PM

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 010-0277
Station 50+00

BORING NO. 1 Mid. Pier
Station 49+98
Offset 23.0 ft Lt.
Ground Surface Elev. 670.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 660.3 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Fine Well Sorted Sand & Silt (continued)			3		
			9		
	635.3	-64	11		
End of Boring					

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 - Dist 5

SOIL BORING LOG

Page 1 of 2

Date 3-6-02

ROUTE FAI 74 DESCRIPTION Just North of Ogden LOGGED BY CNA

SECTION (10,92-8)HB-1,HB-4)BR LOCATION NE, SEC. 8, TWP. 19N, RNG. 14W, 2nd PM

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 010-0277
Station 50+00

BORING NO. 2 N. Abut.
Station 49+06
Offset 7.5 ft Rt.
Ground Surface Elev. 669.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 659.5 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown/Gray Mottled Silty Clay Loam (Embankment)			4		
			3		17
		-4	3		
			2		
			3	2.4	16
		-10	5	S	
			2		
	677.5		2	2.9	17
Brown/Gray/Black Mottled Silty Clay Loam (Embankment)			5	B	
	676.0		2		
Brown/Gray Mottled Silty Clay Loam (Embankment)			3	2.1	17
		-25	6	B	
	673.5				
Brown/Black Mottled Clay Loam (Embankment)			1		
			1	3.3	12
			4	B	
			1		
		-39	3	1.9	19
			6	B	
Brown/Gray Mottled Clay Loam (Embankment) (continued)			3		
			6	3.4	20
			9	B	
	655.0				
Gray Clay Loam			2		
			3	2.1	26
		-35	4	B	
	653.5				
Brown/Gray Silt Loam			1		
			3	0.8	21
			5	B	
	651.5				
Brown Oxidized Dirty Coarse Sand			4		
			7		
	649.5	▼-49	22		
Gray Clay Loam Till					
			2		
			4	1.4	13
		-59	6	B	
			6		
			9	4.3	11
		-69	11	B	

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)

LIN ENGINEERING, LTD.
210 W. Chestnut Chatham, Illinois 62629
(217) 483-4668 FAX (217) 483-4706
Designed By: MTH | Checked By: STD | Drawn By: JMD
Date: 11/02 | File: 010277.DGN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING DATA
FAS RTE 518 (IL 49S) & FAP RTE 836 (C.H.22)
OVER FAI RTE 74 (I-74)
SECTION (10-92-8HB-1) BR
CHAMPAIGN COUNTY
STA. 1000+88.67 (I-74)
STA. 50+00.00 (IL 49S & C.H. 22)
STRUCTURE NO. 010-0277