ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	★	VERMILION	71	45
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 16
17 SHEETS

★ (10-92-8HB-4)BR

Illinois Department of Transportation
Division of Highways
IDOT - Dist 5

SOIL BORING LOG

Page 1 of 2

Date 2/02

ROUTE FAI Route 74 DESCRIPTION 1.5 Miles West of Fithian LOGGED BY CNA

SECTION (10,92-8)(HB-1, HB-4)BR LOCATION NE, SEC. 11, TWP. 19N, RNG. 14W, 2nd PM

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 092-0105
Station 50+00

BORING NO. 1 Mid. Pier
Station 49+49
Offset 21.0 ft Lt.
Ground Surface Elev. 667.30 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 649.8 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown Mottled Clay Loam (Weathered Till)	665.30				
Brown Clay Loam Till			1		
			2	1.4	15.5
		-5	3	B	
			2		
			5	1.9	14.5
			6	B	
			1		
	637.30	-30	3	2.6	12.6
			6	B	
Gray Clay Loam Till			0		
			3	2.1	11.5
			5	B	
			1		
			3	2.6	11.3
		-15	4	B	
			0		
	660.30		3	1.6	12.0
			4	B	
Gray Fine Sand & Silt Mixed			11		
			15		11.0
	647.30	-30	20	-	
Brown Varved Silt & Clay			3		
			5	4.1	16.4
			9	B	
	643.80				
Gray Clay Loam Till			1		
			4	2.8	14.2
		-35	5	B	
			5		
			10	6.2	10.9
		-40	15	B	
			3		
			11	10.1	8.8
		-45	15	B	
	620.30				
Gray Varved Clay			3		
			8	7.1	17.1
		-60	14	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 127 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT - Dist 5

SOIL BORING LOG

Page 2 of 2

Date 2/02

ROUTE FAI Route 74 DESCRIPTION 1.5 Miles West of Fithian LOGGED BY CNA

SECTION (10,92-8)(HB-1, HB-4)BR LOCATION NE, SEC. 11, TWP. 19N, RNG. 14W, 2nd PM

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 092-0105
Station 50+00

BORING NO. 1 Mid. Pier
Station 49+49
Offset 21.0 ft Lt.
Ground Surface Elev. 667.30 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 649.8 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Varved Clay (continued)	624.30				
Gray Varved Clay & Silt			3		
			7	2.5	25.3
	622.30	-45	8	B	
End of Boring					
		-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 127 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT - Dist 5

SOIL BORING LOG

Page 1 of 2

Date 2/02

ROUTE FAI Route 74 DESCRIPTION 1.5 Miles West of Fithian LOGGED BY CNA

SECTION (10,92-8)(HB-1, HB-4)BR LOCATION NE, SEC. 11, TWP. 19N, RNG. 14W, 2nd PM

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 092-0105
Station 50+00

BORING NO. 2 N. Abut
Station 49+03
Offset 6.0 ft Rt.
Ground Surface Elev. 667.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 657.1 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown Mottled Clay Loam (Embankment)	657.60				
			1		
			2	0.3	15.7
		-5	5	B	
	678.60				
Black/Gray/Brown Mottled Mixed Silty Clay Loam (Embankment)			1		
			2	1.3	20.7
		-10	3	B	
	678.60		1		
			2	1.3	20.1
			4	E	
Dark Gray Mottled Silty Clay Loam (Embankment)			1		
			2	2.6	22.1
		-15	5	B	
			1		
			3	2.5	25.5
			5	B	
			2		
	689.10		3	2.0	19.9
		-20	5	B	
Gray/Green Mottled Silty Clay Loam (Embankment)					
Drilled Through Old Concrete Concrete Pavement @ 21'				2.0	
				E	
	663.60		3		
Black Mottled Silty Clay Loam (Embankment)			6	2.0	21.7
		-25	6	E	
	651.60		1		
Brown Clay Loam			1	2.0	
			1	E	
			0		
			1	0.7	18.1
		-30	3	B	
			3		
			3	1.4	14.7
			6	B	
	634.60				
Gray Clay Loam Till			3		
			5	2.7	13.0
		-35	5	B	
			3		
			6	2.7	11.8
		-40	9	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 127 (Rev. 8-99)

REVISIONS	
NAME	DATE

LIN ENGINEERING, LTD.
20 N. Chestnut Chatham, Illinois 62629
(217) 483-468 FAX (217) 483-4706
Designed By: MTH | Checked By: STD | Drawn By: JMD
Date: 1/02 | File: 0920203.DGN

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING DATA
FAP ROUTE 840 (IL 49N)
OVER FAI RTE 74 (I-74)
SECTION (10-92-8HB-4) BR
VERMILION COUNTY
STA. 1160+20.53 (I-74)
STA. 50+00.00 (IL 49N)
STRUCTURE NO. 092-0203