ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 662 (TR 61)	*	CUMBERLAND	85	53
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 23
26 SHEETS

*Section 01-00061-00-BR Contract #95552

Illinois Department of Transportation
Division of Highways
Hanson Professional Services Inc.

SOIL BORING LOG

Page 1 of 2

Date 11/7/07

ROUTE FAS 662 (TR 61) DESCRIPTION TR 61 Extension-Embarras River Bridge LOGGED BY Ryan Keedy

SECTION 01-00061-00-BR LOCATION E 1/2, SEC. 12, TWP. 10 N, RNG. 9 E, 3rd PM

COUNTY Cumberland DRILLING METHOD Hollow Stem Auger HAMMER TYPE Auto 140#

STRUCT. NO. 081-3191
Station 470+75

BORING NO. 3 W. Pier
Station 469+70
Offset 5.00ft RT.
Ground Surface Elev. 532.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 531.2 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev. (ft)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose, brown silty fine to coarse sand.			2		
			2		20.1
			1		
			3		
			4		
		-5	4		
	526.20				
Hard, gray very silty clay, trace gravel.			8		
			17	7.9	10.6
			24	S	
	523.70				
Hard, gray sandy silt, trace gravel & clay.			6		
			11		12.6
		-10	12		
			6		
			11		10.9
		-15	17		
	516.20				
Hard, gray silty clay, trace gravel.			6		
			14	12.7	11.4
		-20	24	B	
Hard, gray silty clay, trace gravel. (continued)					
		-25	5		
			10	6.6	12.1
			16	B	
	504.20				
Hard, gray silty clay, little sand & trace gravel.			8		
			19	9.7	10.1
		-30	22	BS	
	500.20				
Very stiff, gray silty clay, trace gravel.			5		
			14	3.9	13.5
		-35	15	B	
			4		
			6	3.3	16.1
		-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 137 (Rev. 8-99)

Illinois Department of Transportation
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SOIL BORING LOG

Page 2 of 2

Date 11/7/07

ROUTE FAS 662 (TR 61) DESCRIPTION TR 61 Extension-Embarras River Bridge LOGGED BY Ryan Keedy

SECTION 01-00061-00-BR LOCATION E 1/2, SEC. 12, TWP. 10 N, RNG. 9 E, 3rd PM

COUNTY Cumberland DRILLING METHOD Hollow Stem Auger HAMMER TYPE Auto 140#

STRUCT. NO. 081-3191
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BORING NO. 3 W. Pier
Station 469+70
Offset 5.00ft RT.
Ground Surface Elev. 532.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 531.2 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev. (ft)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very stiff, gray silty clay, trace gravel. (continued)					
			8		
			11	8.5	11.2
		-45	14	B	
	484.20				
Stiff to very stiff, gray silty clay, trace gravel, trace wood fragments.			4		
			8	3.5	23.2
		-50	9	B	
			3		
			5	3.1	21.9
		-55	9	B	
			7		
			10	1.9	28.1
		-60	14	B	
Stiff to very stiff, gray silty clay, trace gravel, trace wood fragments. (continued)					
			5		
			8	3.7	23.9
		-65	8	B	
			3		
			6	3.1	23.4
		-70	9	B	
			5		
			7	3.1	22.7
		-75	12	B	
	455.20				
Very soft, dark gray clayey shale.					
	453.45		50/3"		13.7
End of Boring		-80			

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)

BORINGS (SHEET 2)
F.A.S. 662 (TR 61) OVER EMBARRAS RIVER
CUMBERLAND COUNTY
SECTION 01-00061-00-BR
STA. 470+75.00
STRUCTURE NUMBER 018-3191
PROFESSIONAL DESIGN FIRM LICENSE #184-001084

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HANSON
Hanson Professional Services Inc.

JOB NO. 01S2021B
DATE 02/04/08

LAYOUT	MNM	11/30/07
DRAWN	DJP	12/28/07
REVIEWED	JWM	02/04/08

CADD\2008.03.06 PM
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