ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 662 (TR 61)	*	CUMBERLAND	85	56
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 26
26 SHEETS

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

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 3 of 4

Date 9/17/07

ROUTE FAS 662 (TR 61) DESCRIPTION TR 61 Extension - Embarras River Bridge LOGGED BY E. Sandschafer

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

COUNTY Cumberland DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 018-3191
Station

BORING NO. 2 E Abut
Station 473+00
Offset 0.00ft CL
Ground Surface Elev. 544.41 ft

Surface Water Elev. 531.67 ft
Stream Bed Elev. 529.00 ft

Groundwater Elev.:
First Encounter 529.9 ft
Upon Completion Washed ft
After 48 Hrs. 535.2 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very stiff, damp, dark gray, SILTY CLAY TILL w/ wood splinters. (continued)			5 8	2.4 B	15
		-85			
	456.41				
Very dense, moist, gray, SILTY CLAY SHALE.			24 50/3" 50/2"		8
		-90			
	454.01				
Borehole continued with rock coring.		-95			
		-100			

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
Illinois Department of Transportation

ROCK CORE LOG

Page 4 of 4

Date 9/17/07

ROUTE FAS 662 (TR 61) DESCRIPTION TR 61 Extension - Embarras River Bridge LOGGED BY E. Sandschafer

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

COUNTY Cumberland CORING METHOD Rotary, surf set diamond bit

STRUCT. NO. 018-3191
Station

CORING BARREL TYPE & SIZE NW, conv dbl bbl, split inner

BORING NO. 2 E Abut
Station 473+00
Offset 0.00ft CL
Ground Surface Elev. 544.41 ft

Core Diameter 2.06 in
Top of Rock Elev. 456.41 ft
Begin Core Elev. 454.01 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Gray, slightly weathered, SILTY CLAY SHALE.	454.01			75	75	1.5	
Rock core B2C1 at 92.4' to 92.9' depth = 31.1 tsf Qu.		-95					
				99	97	1.6	
Rock core B2C2 at 98.5' to 99.5' depth = 32.4 tsf Qu.		-100					
	444.01						
Extent of exploration.							
Benchmark: Iron pin Sta 480+92.08, Lt 1.36' = 545.90' Provided by Cumberland County Engineer.		-105					
		-110					

Color pictures of the cores Available on request
Cores will be stored for examination until 09/17/08
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

BORINGS (SHEET 5)
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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JOB NO. 01S2021B
DATE 02/04/08

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LAYOUT	MNM	11/30/07
DRAWN	DMP	12/28/07
REVIEWED	JMM	02/04/08