STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 1	(8C)B-2	WABASH	36	32
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 21
21 SHEETS

Contract #94783

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District 9 Materials

Page 1 of 3

Date 4/12/04

ROUTE SBI 1 (Old IL 15) DESCRIPTION Bonpas Creek in Browns, IL LOGGED BY E. Sandschafer

SECTION (8C)B-1 LOCATION S 12 – 33, N 12 – 4, SEC., TWP. 1S & 2S, RNG. 14W, 3 PM

COUNTY Wabash DRILLING METHOD Hollow Stem Auger and Split Spoon HAMMER TYPE Auto 140#

STRUCT. NO. 093-0017
Station Proposed 093-0022

BORING NO. 4
Station 206+01
Offset 4.50ft Rt
Ground Surface Elev. 397.98 ft

Surface Water Elev. 372.49 ft
Stream Bed Elev. 370.99 ft

Groundwater Elev.:
First Encounter 347.0 ft
Upon Completion Washed ft
After Hrs. Samples ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Asphalt wearing surface.	397.58				
Concrete pavement.	397.18				
Aggregate subbase – CA06.	396.68				
No sample recovery – rock stuck in sampler shoe. Estimated same material as trip below.			4		
			2		
			1		
	393.48				
Soft to medium, damp, gray, SILTY CLAY LOAM.		–5	1		
			3	0.5	25
			6	B	
	390.98				
No sample recovery – 6" piece of wood stuck in sampler shoe. Estimated falsework or piling from prior bridge.			27		
			12		79
			12		
	388.48				
Wood fragments.		–10	6		
			7		
			8		
	385.98				
Gray, damp CLAY.			3		
	385.28				
Very stiff, very moist, brown mottled gray, CLAY w/some silt.			3	3.5	25
			7	B	
		–15	4		
			9	3.4	22
			10	S	
			3		
			6	3.9	22
			9	B	
		–20	3		

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Very stiff, very moist, brown mottled gray, CLAY w/some silt. (continued)			5	1.5	23
			7	B	
			4		
			8	2.5	23
			9	B	
		–25	2		
			4	2.1	23
			7	B	
			2		
			4	2.6	23
			7	B	
		–30	3		
			6	2.1	25
			8	B	
		–35	2		
			4	2.1	29
			7	B	
	358.48				
		–40	1		

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 — SOIL BORING LOG

Division of Highways
District 9 Materials

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Date 4/12/04

ROUTE SBI 1 (Old IL 15) DESCRIPTION Bonpas Creek in Browns, IL LOGGED BY E. Sandschafer

SECTION (8C)B-1 LOCATION S 12 – 33, N 12 – 4, SEC., TWP. 1S & 2S, RNG. 14W, 3 PM

COUNTY Wabash DRILLING METHOD Hollow Stem Auger and Split Spoon HAMMER TYPE Auto 140#

STRUCT. NO. 093-0017
Station Proposed 093-0022

BORING NO. 4
Station 206+01
Offset 4.50ft Rt
Ground Surface Elev. 397.98 ft

Surface Water Elev. 372.49 ft
Stream Bed Elev. 370.99 ft

Groundwater Elev.:
First Encounter 347.0 ft
Upon Completion Washed ft
After Hrs. Samples ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Medium, damp, gray, SILTY LOAM. (continued)			3	0.8	22
			3	B	
	353.48				
Stiff, damp, gray, SILTY CLAY.		–45	0		
			1	1.2	32
			3	B	
	348.48				
Very soft, very damp, gray, SILTY LOAM.		–50	0		
			0	0.1	32
			0	B	
	343.48				
VOID, augers fell.		–55			
	341.98				
Very soft, very damp, gray, SILTY LOAM.					
	337.98	–60	45		

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Very dense, moist, dark gray to black, CLAY SHALE.	337.78		50/2"		
			50/0"		10
Borehole continued with rock coring.					
		–65			
		–70			
		–75			
		–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)

Illinois Department of Transportation — ROCK CORE LOG

Division of Highways
District 9 Materials

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Date 4/12/04

ROUTE SBI 1 (Old IL 15) DESCRIPTION Bonpas Creek in Browns, IL LOGGED BY E. Sandschafer

SECTION (8C)B-1 LOCATION S 12 – 33, N 12 – 4, SEC., TWP. 1S & 2S, RNG. 14W, 3 PM

COUNTY Wabash CORING METHOD Rotary, surface set diamond bit

STRUCT. NO. 093-0017
Station Proposed 093-0022

CORING BARREL TYPE & SIZE NW, conv dbl bbl, split inner
Core Diameter 2.06 in
Top of Rock Elev. 337.78 ft
Begin Core Elev. 337.78 ft

BORING NO. 4
Station 206+01
Offset 4.50ft Rt
Ground Surface Elev. 397.98 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Dark gray to black, thinly layered, oily, CLAY SHALE.	337.78			100	48		
	334.98						
Light gray, soft, thick layered, CLAY SHALE.		–65					
				100	73		
	329.98						
Hard, gray, SANDSTONE.							
	327.78	–70					
Extent of exploration.							
Benchmark: BM #102 Elev = 398.72' Sta 205+95 Rt 15.45' Chiseled square on E end of NE wingwall of existing bridge.		–75					
		–80					

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

BORING DATA
S.B.I. RT. 1 SEC. (8C)B-2
WABASH COUNTY
STATION 204+42.25
STRUCTURE No. 093-0022

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