STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 1	(8C)B-2	WABASH	36	30
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 19
21 SHEETS

Contract #94783

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District 9 Materials

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Date 4/5/04

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. 1
Station 202+83
Offset 3.00ft Lt
Ground Surface Elev. 398.02 ft

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

Groundwater Elev.:
First Encounter 357.3 ft
Upon Completion Washed ft
After Hrs. Samples ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt wearing surface.	397.52				
Concrete pavement.	397.02				
Aggregate subbase – CA06.	396.52				
No recovery – rock stuck in sampler shoe.			1		
			4		22
			2		
Stiff, damp, gray, CLAY LOAM.	393.52	–5	1		
			3	1.5	26
			3	PP	
Very stiff, damp, gray to olive brown, CLAY. Few pebbles and brick fragments.	391.02		5		
			6	2.5	21
			7	PP	
		–10	4		
			7	1.9	24
			10	BS	
			7		
			13	2.7	20
			16	BS	
		–15	5		
			8	2.8	20
			12	BS	
			4		
			6	3.4	21
			10	B	
	378.02	–20	3		
Stiff to very stiff, damp, brown mottled red, CLAY w/some silt.			4	1.3	
			6	B	
			3		
			4	2.7	24
			7	B	
		–25	3		
			4	2.4	25
			5	B	
			2		
	370.02		3	1.2	
Stiff, damp, gray, SILTY CLAY w/ some thin black layering.			5	B	
		–30	2		
			4	1.7	25
			5	B	
	363.52				
Stiff, damp, gray, CLAY w/some silt.		–35	2		
			4	1.4	24
			6	B	
		–40	2		

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 4/5/04

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. 1
Station 202+83
Offset 3.00ft Lt
Ground Surface Elev. 398.02 ft

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

Groundwater Elev.:
First Encounter 357.3 ft
Upon Completion Washed ft
After Hrs. Samples ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	357.32		3	1.2	40
Very soft, wet, gray, SILT MUCK.			5	B	
		–45	0		
			0	0.1	48
			0	B	
	348.52				
Gray, medium grained, SAND. 8% passing #200 sieve.		–50	0		
			2	0.7	
			5	B	
	347.02				
No sample recovery – estimated fine grained, SAND.					
		–60	4		
No sample recovery – estimated fine grained, SAND. (continued)			6		
			7		
	335.52				
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 4/5/04

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. 336.52 ft
Begin Core Elev. 332.52 ft

BORING NO. 1
Station 202+83
Offset 3.00ft Lt
Ground Surface Elev. 398.02 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Very dense, moist, gray, CLAY SHALE w/some sand.	335.52						
		–65					
				88	60		
	330.72						
Gray w/thin black layering, SANDSTONE.							
		–70					
	327.52						
Gray, SANDSTONE w/thin Clay Shale layering.				100	8		
	323.52						
Gray, LIMESTONE.	323.32	–75					
Alternating layers of SANDSTONE and CLAY SHALE.	322.52						
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.							
		–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