STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 1	(8C)B-2	WABASH	36	31
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 20
21 SHEETS

Contract #94783

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, District 9 Materials

Page 1 of 2 — Date 4/6/04

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. 2
Station 203+80
Offset 15.50ft Rt
Ground Surface Elev. 384.55 ft

Surface Water Elev. 372.49 ft
Stream Bed Elev. 370.99 ft
Groundwater Elev.:
First Encounter 372.6 ft
Upon Completion 384.6 ft
After 24 * Hrs. 384.6 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Topsoil.	384.35				
Gray, SILTY LOAM w/organics.					
	382.55				
Soft, very damp, brown mottled gray, SILTY LOAM w/few organics.			3		
			4	0.4	15
			4	B	
		-5	0		
			3	0.4	22
			6	B	
	376.05				
Soft to medium, damp, gray, SILTY CLAY.		-10	0		
			1	0.5	21
			2	B	
	372.55				
Medium, damp, gray, CLAY w/some silt.			0		
			2	0.6	17
			2	B	
		-15	1		
			3	0.7	16
			3	B	
	367.55				
Medium, damp, gray, SILTY CLAY.			0		
			2	0.6	24
	366.35		2	B	
Black, ORGANICS w/thin sand lense.					
	365.05				
		-20	0		
Medium to stiff, damp, gray, CLAY w/some silt. (continued)			2	0.6	23
			2	B	
			1		
			4	1.4	19
			4	B	
	360.05				
Medium, very damp, gray, SILTY CLAY.		-25	0		
			2	0.8	22
			2	B	
	357.55				
Very soft, wet, gray, SILT MUCK.			0		
			0	0.1	27
			0	B	
		-30	0		
			0	0.2	31
			0	B	
		-35	0		
			0	0.2	29
			0	B	
	345.05				
		-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

Page 2 of 2 — Date 4/6/04

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. 2
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Stream Bed Elev. 370.99 ft
Groundwater Elev.:
First Encounter 372.6 ft
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After 24 * Hrs. 384.6 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose to medium, wet, gray, fine grained, SAND. 3% passing #200 sieve			2		
			3		20
		-45	10		
Few 3/8" pebbles. 5% passing #200 sieve (continued)			13		19
			12		
	335.05				
Very stiff, moist, gray, CLAY SHALE w/some sand.		-50	13		
			32	3.6	7
			26	S	
	330.05				
Very dense, moist, gray, SANDY CLAY SHALE.	329.85	-55	50/2"		15
			50/1"		
			50/0"		
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.					
*Note: Artesian condition noted at 24 hours in open bore hole.		-60			
Adjacent landowner told of standpipe in this area that flowed constantly. Pipe was present some years ago but is not currently. Sealed hole with bentonite.					
		-65			
		-70			
		-75			
		-80			

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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. 3
Station 204+32
Offset 16.00ft Lt
Ground Surface Elev. 383.43 ft

Surface Water Elev. 372.49 ft
Stream Bed Elev. 370.99 ft
Groundwater Elev.:
First Encounter 358.9 ft
Upon Completion 383.4 ft
After 24 * Hrs. 383.4 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Topsoil.	383.13				
Soft, damp, brown, CLAY LOAM w/few pebbles.					
			2		
			3	0.4	27
			3	B	
	378.93				
Medium, damp, brown, SILTY CLAY w/some black specks and organics.		-5	5		
			3	0.6	27
			4	B	
	376.43				
Soft, damp, gray, SILTY LOAM w/some black organics.			0		
			0	0.2	35
			0	B	
		-10	0		
			0	0.4	27
			2	B	
			0		
			0	0.4	28
			2	B	
		-15	0		
			0	0.3	36
			0	B	
	366.43				
No sample recovery – 4" piece of wood stuck in sampler. Estimated wood falsework or piling for prior bridge.			2		
			0		
			0		
	363.93				
		-20	1		
Medium to stiff, damp, gray, CLAY w/few black specks. (continued)			3	1.0	29
			4	B	
			1		
			3	0.7	34
			3	B	
	358.93				
Very soft to soft, wet, gray, SILT MUCK.		-25	0		
			1	0.2	44
			1	B	
			0		
			0	0.3	43
			0	B	
		-30	0		
			0	0.1	35
			0	B	
		-35	0		
			0	0.1	52
			0	B	
	343.93				
		-40	0		

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Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very loose, wet, gray, fine grained, SAND w/sea shells. 8% passing #200 sieve. (continued)			0		
			0		24
	338.93				
Soft, dark gray, CLAY SHALE.	338.43	-45	50/5"		
Hard, dark gray, thinly layered, CLAY SHALE.	336.23		50/1"		7
			50/1"		
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.					
*Note: Artesian condition noted at 24 hours in open bore hole, although flow rate was very low, and not as great as Bore #2. Sealed hole with bentonite.		-50			
		-55			
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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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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