ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SBI Rt. 15B	(17C)B	WAYNE	17	12
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 6
6 SHEET

CONTRACT NO. 74092

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 10/14/05

ROUTE SBI 15 B (Old IL 15) DESCRIPTION Un-named Stream LOGGED BY E. Sandschafer

SECTION (17C) LOCATION Sec 6 - SW 1/4, Sec 7 - NW 1/4, SEC. , TWP. 2 S, RNG. 6 E, 3 PM

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

STRUCT. NO. 096-0057
Station 1011+86

BORING NO. 1
Station 1011+64.5
Offset 4.00ft Rt
Ground Surface Elev. 409.34 ft

Surface Water Elev. 399.24 ft
Stream Bed Elev. 398.86 ft

Groundwater Elev.:
First Encounter 384.7 ft
Upon Completion 384.7 ft
After ___ Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOISTURE (%)
2" asphalt over 7" concrete pavement.	408.54				
Medium, damp, brown to gray, SILTY CLAY.			2		
			3	0.7	18
			3	B	
		-5	1		
			2	0.5	26
			2	B	
Soft, very damp, gray, SILTY LOAM.	402.34		0		
			0	0.3	23
			1	B	
3" of wood in sampler, no soil recovery.	399.84	-10	14		
			3		102
			4		
No recovery this trip, estimated wood plugging borehole.			2		
			3		
			3		
Very stiff, damp, red mottled gray, CLAY w/ sand and wood fragments.	394.84	-15	3		
			6	1.7	18
			7	B	
Very soft, wet, red, SANDY LOAM.	392.34		3		
			7	0.2	19
			6	B	
Very stiff, damp, brown mottled gray, CLAY TILL.	391.14				
	389.34	-20	7		
Brown w/ maroon layers, SANDSTONE.	389.04		20	2.7	13
			23	B	
Hard, very moist, brown, CLAY TILL.			7		
			12	4.7	14
			16	B	
		-25	4		
			11	2.5	16
	383.54		50	B	
Very dense, moist, brown, CLAY SHALE w/ trace sand.			34		
	381.24		50/4"		12
Extent of exploration.			50/3"		
Benchmark: BM 457 chiseled square on SW wingwall of existing structure = 408.78'		-30			
		-35			
		-40			

Latitude N 38 deg 22.139 min, Longitude W 88 deg 34.779 min, Map Datum NGS 84

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

SOIL BORING LOG

Page 1 of 1

Date 10/14/05

ROUTE SBI 15 B (Old IL 15) DESCRIPTION Un-named Stream LOGGED BY E. Sandschafer

SECTION (17C) LOCATION Sec 6 - SW 1/4, Sec 7 - NW 1/4, SEC. , TWP. 2 S, RNG. 6 E, 3 PM

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

STRUCT. NO. 096-0057
Station 1011+86

BORING NO. 2
Station 1012+13.5
Offset 4.50ft Lt
Ground Surface Elev. 409.31 ft

Surface Water Elev. 399.24 ft
Stream Bed Elev. 398.86 ft

Groundwater Elev.:
First Encounter 374.8 ft
Upon Completion 383.1 ft
After ___ Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOISTURE (%)
2 1/2" asphalt over 6" concrete pavement.	408.61				
Stiff, damp, brown, SILTY CLAY.			3		
			3	1.5	24
			4	PP	
	404.61	-5	2		
Stiff to soft, damp, gray and brown, SILTY LOAM.			3	1.5	15
			8	PP	
			0		
			0	0.5	19
			0	PP	
		-10	5		
			5	0.4	17
			5	S	
	397.31				
Medium, damp, gray mottled red, SILTY CLAY.			4		
			5	1.0	23
			6	B	
		-15	3		
			4	0.6	24
			5	B	
			2		
	391.51		3	1.7	26
Stiff, damp, red marbled gray, CLAY.			5	B	
	389.81				
Red marbled gray, SILTY LOAM.		-20	1		
Red marbled gray, SILTY LOAM. (continued)	388.81		3	1.3	20
			4	B	
Stiff, damp, red mottled gray, CLAY.					
	386.81		5		
Brown, SANDSTONE.			8	1.7	18
Red marbled gray, CLAY.	386.51		11	B	
	384.81				
Hard, very moist, brownish tan, CLAY SHALE w/ some Sandy Clay Shale layering.		-25	7		
			19	+4.5	13
			43	PP	
			17		
			19	+4.5	11
			29	PP	
		-30	16		
			23	+4.5	15
			37	PP	
		-35	47		
			50/4"		8
	373.51		50/5"		
Extent of exploration.					
Benchmark: BM 457 chiseled square on SW wingwall of existing structure = 408.78'		-40			

Latitude N 38 deg 22.341 min, Longitude W 88 deg 34.770 min, Map Datum NGS 84

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)

DESIGNED	D. Greifzu
CHECKED	S. Ryan
DRAWN	D. Greifzu
CHECKED	S. Ryan

OCTOBER 10, 2007

EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN

PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

BORING LOGS
SBI ROUTE 15B - SECTION (17C)B
WAYNE COUNTY
STATION 1011+86.00
STRUCTURE NO. 096-2009