STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249B-R	COOK	64	46
FED.ROAD DIST. NO.		ILLINOIS	FED.AID PROJECT-	

Sheet 22 of 22 — Contract No. 62539

SOIL BORING LOG

Illinois Department of Transportation — Division of Highways — Bureau Bridge Hydraulic Engineering

Page 1 of 2 — Date 12/30/03

ROUTE FAU 2843/Dixie Highway over Butterfield Creek — DESCRIPTION — LOGGED BY

SECTION 3249 B-R — LOCATION SEC. TWP. RNG.

COUNTY Cook — DRILLING METHOD Hollow Stem Auger — HAMMER TYPE

STRUCT. NO. — Station

BORING NO. B-5 — Station 77+63.9 — Offset 19.50ft LT — Ground Surface Elev. 636.99 ft

Surface Water Elev. ft — Stream Bed Elev. ft

Groundwater Elev.: First Encounter 631.0 ft ▼ — Upon Completion ft — After Hrs. ft

Description	Elev.	Depth (ft)	Blows (6")	Qu (tsf)	UCS (%)	Moist (%)
7.5" Asphalt over 7.5" Concrete	636.74					
SILTY CLAY, tr. gravel, dk. gray to black, stiff		2	4	1.0	22.0	
		4	5			
		2				
		4	5	1.5	23.0	
		6	8			
	628.99	8				
FINE SAND, dk. gray, wet, med. dense		10				
		12	18			
		14	18			
		16	14			
	621.80	18				
SILTY LOAM, tr. gravel, gray, very wet, med. dense		20	7			
		22	7			
		24	12			
	616.99	26				
FINE SAND, tr. silt, gravel & clay, gray, med. dense to loose		28	4			
		30	9			
		32	11			
FINE SAND, tr. silt, gravel & clay, gray, med. dense to loose (continued)		34	3			
		36	7			
		38	11			
		40	7			
		42	5			
	602.99	44				
SILT, tr. clay & sand, gray, very wet, med. dense		46	3			
		48	6			
		50	10			
		52	12			
	594.99	54				
BROKEN LIMESTONE, gray, med. dense to extremely dense very wet		56	2			
		58	2			
		60	11			

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)

SOIL BORING LOG

Illinois Department of Transportation — Division of Highways — Bureau Bridge Hydraulic Engineering

Page 1 of 2 — Date 12/30/03

ROUTE FAU 2843/Dixie Highway over Butterfield Creek — DESCRIPTION — LOGGED BY

SECTION 3249 B-R — LOCATION SEC. TWP. RNG.

COUNTY Cook — DRILLING METHOD Hollow Stem Auger — HAMMER TYPE

STRUCT. NO. — Station

BORING NO. B-7 — Station 77+63.9 — Offset 19.00ft RT — Ground Surface Elev. 637.01 ft

Surface Water Elev. ft — Stream Bed Elev. ft

Groundwater Elev.: First Encounter 631.0 ft ▼ — Upon Completion ft — After Hrs. ft

Description	Elev.	Depth (ft)	Blows (6")	Qu (tsf)	UCS (%)	Moist (%)
9.5" Asphalt over 8.5" Concrete	636.51					
FILL, silty clay loam, dk. brown to black, stiff to very stiff		2	4	1.5	12.0	
		4	5			
		2				
		4	5	2.1	14.0	
		6	8			
FILL, fine sand, dk. brown, loose	628.51	8				
		10	1			
		12	2			
SILTY CLAY LOAM, tr. gravel, dk. gray, loose to med. dense	624.01	14				
		16	1			
		18	2			
		20	3			
FINE TO MEDIUM SAND, gray, wet, med. dense to loose	619.01	22				
		24	6			
		26	9			
		28	6			
		30	2			
SANDY SILTY LOAM, mixed with stone, gray, loose	610.01	32				
		34	1			
		36	2			
		38	3			
		40	2			
SANDY SILTY LOAM, mixed with some, gray, loose (continued)		42	1			
		44	1			
		46	1			
		48	1			
		50	1			
		52	1			
		54	1			
		56	1			
		58	1			
		60	1			
SANDY LOAM, gray, loose to med. dense, very wet	597.01	62				
		64	2			
		66	3			
		68	5			
		70	7			
		72	12			
		74	10			
		76	10			
		78	13			
		80	15			

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)

SOIL BORING LOG

Illinois Department of Transportation — Division of Highways — Bureau Bridge Hydraulic Engineering

Page 1 of 1 — Date 12/30/03

ROUTE FAU 2843/Dixie Highway over Butterfield Creek — DESCRIPTION — LOGGED BY

SECTION 3249 B-R — LOCATION SEC. TWP. RNG.

COUNTY Cook — DRILLING METHOD Hollow Stem Auger — HAMMER TYPE

STRUCT. NO. — Station

BORING NO. RW-1 — Station 76+63.9 — Offset 18.10ft LT — Ground Surface Elev. 636.64 ft

Surface Water Elev. ft — Stream Bed Elev. ft

Groundwater Elev.: First Encounter 631.1 ft ▼ — Upon Completion 631.0 ft — After Hrs. ft

Description	Elev.	Depth (ft)	Blows (6")	Qu (tsf)	UCS (%)	Moist (%)
8" Asphalt	627.81					
SILTY CLAY, tr. sand & gravel, brown, very stiff to stiff		2	4	2.0	12.0	
		4	5			
		6	5			
		2				
		4	5	1.5	18.0	
		6	8			
		8				
		10	3			
		12	4	1.0	19.0	
		14	6			
		16				
		18	2			
		20	3			
		22	3			
		24	4			
		26	4			
		28	50/			
		30	R			
SILTY LOAM, tr. fine gravel, gray, loose	607.64	32				
		34	2			
		36	3			
		38	4			
		40	3			
FINE SAND, light brown to gray, loose to very loose, very wet	596.64	42				
		44	2			
		46	3			
		48	4			
		50	3			
		52	3			
		54	3			
		56	3			