

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 2 of 2

Date 4/8/10

ROUTE FAU 2917 DESCRIPTION Cottage Grove Over I-94 (Bishop Ford Freeway) LOGGED BY RJC

SECTION 066-1314-CF LOCATION North Abutment (West Side), SEC. 10, TWP. 37N, RNG. 14E, 3rd PM, Latitude N41° 42' 49.72", Longitude W87° 36' 18.58"

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 016-2119 (Existing)
Station 505+00.00
BORING NO. B-8
Station 103+14.40 (Cottage Grove)
Offset 25.50 ft LT
Ground Surface Elev. 594.10 ft

DEPTH (ft)	BLOW COUNT (blows/ft)	UNIFIED SOIL CLASSIFICATION	MOISTURE (%)	SPT (blows)	Soil Description				
					Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	Notes	
0					None	None	None	None	End of Boring
5	5	Very Hard Gray, Dry SILTY CLAY LOAM, trace gravel	9.4	13					
8	8								
10	10								
15	15	4" Gray SILT lens at 49'	8.1	12					
18	18								
30	30		9.8	11					
40	40								
53.5	53.5	Hard Gray, Dry SILT	5.0	18					
54	54								

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, form 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 2

Date 4/9/10

ROUTE FAU 2917 DESCRIPTION Cottage Grove Over I-94 (Bishop Ford Freeway) LOGGED BY RJC

SECTION 066-1314-CF LOCATION South Abutment (West Side), SEC. 10, TWP. 37N, RNG. 14E, 3rd PM, Latitude N41° 42' 47.30", Longitude W87° 36' 19.04"

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 016-2119 (Existing)
Station 505+00.00
BORING NO. B-9
Station 100+80.50 (Cottage Grove)
Offset 30.90 ft LT
Ground Surface Elev. 590.70 ft

DEPTH (ft)	BLOW COUNT (blows/ft)	UNIFIED SOIL CLASSIFICATION	MOISTURE (%)	SPT (blows)	Soil Description				
					Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	Notes	
0					None	None	None	None	End of Boring
5	4	5" Concrete Sidewalk, 6" Aggregate Base							
10	10	Brown, Moist SAND (fill), trace gravel, clay		4					
11	11								
13	13								
15	5								
16	4								
18	2								
20	3								
21	3								
22	4	Dry Unit Weight=118.0 pcf		4					
23	2	Very Stiff to Very Hard Gray, Dry SILTY CLAY LOAM, trace gravel	4.1	16					
24	3								
25	4		3.5	21					
26	6								
27	5	Dry Unit Weight=110.5 pcf		5					
28	4		4.7	21					
29	7								
30	6	6" Gray SILT lens at 16.5'	4.7	22					
31	6								
32	3	Dry Unit Weight=126.1 pcf		3					
33	5		5.8	13					
34	7								

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Ground Surface Elev. 590.70 ft

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					Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	Notes	
0					None	None	None	None	End of Boring
5	11	Very Stiff to Very Hard Gray, Dry SILTY CLAY LOAM, trace gravel							
10	13								
11	11								
13	13		10.0	11					
19	19								
21	8								
22	11		11.3	12					
23	21								
24	10		14.0	12					
25	10								
25	10		11.5	11					
25	25								

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The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
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DESIGNED	EV
CHECKED	PC
DRAWN	JCP
CHECKED	JPO

SOIL BORING LOG 6
STRUCTURE NO. 016-2119

SHEET NO. S52 S52 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	94	1314B-1	COOK	110	88
CONTRACT NO. 60F65			ILLINOIS FED. AID PROJECT		

SEPSTEIN
600 WEST FULTON STREET
CHICAGO, ILLINOIS
60661-1259
TEL 312 454 9100
FAX 312 559 1217
WEB www.epsteinglobal.com

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