

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 2 of 2

Date 3/29/10

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

SECTION 066-1314-CF LOCATION North Abutment (Center), SEC. 10, TWP. 37N, RNG. 14E, 3rd PM

Latitude N41° 42' 49.57", Longitude W87° 36' 18.22"

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 016-2119 (Existing)
Station 505+00.00

BORING NO. B-2
Station 103+18.80 (Cottage Grove)
Offset 22.50ft RT
Ground Surface Elev. 594.70 ft

DEPTH (ft)	BULGE (in)	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOIST (%)
				Surface Water Elev. None ft				
				Stream Bed Elev. None ft				
				Groundwater Elev.: First Encounter None ft				
				Upon Completion None ft				
				After Hrs. None ft				
551.20	10			Very Hard Gray, Dry SILTY CLAY LOAM, trace gravel (continued)	531.20	30		
518.20	18	6.0	21	Very Hard Gray, Dry SILT	505.00	55	13.0	10
505.00	21	P			505.00	70	P	
513.00	13			6" Layer of Gray, Dry, SILTY CLAY LOAM, trace gravel at 49'	524.70	100/11		10
518.00	18	7.8	13		524.70	70		
530.00	30	S		End of Boring				
541.20	27			Very Hard Gray, Dry SILTY CLAY LOAM, trace gravel				
532.00	32	13.0	10					
544.00	44	P						
514.00	14			Hard Gray, Dry SILT				
525.00	25	13.0	10					
538.00	38	P						

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 3/30/10

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

SECTION 066-1314-CF LOCATION South Pier (West Side), SEC. 10, TWP. 37N, RNG. 14E, 3rd PM

Latitude N41° 42' 47.09", 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-3
Station 100+53.90 (Cottage Grove)
Offset 22.50ft RT
Ground Surface Elev. 589.30 ft

DEPTH (ft)	BULGE (in)	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOIST (%)
				Surface Water Elev. None ft				
				Stream Bed Elev. None ft				
				Groundwater Elev.: First Encounter 525.3 ft				
				Upon Completion None ft				
				After Hrs. None ft				
587.55	6		16	5" Asphalt Pavement, 9" Concrete Pavement, 6" Aggregate Base	585.80	7		
585.80	7			Brown and Gray, Dry SILTY CLAY LOAM (fill), trace gravel	583.30	3		
583.30	3			Very Stiff Gray, Dry SILTY CLAY LOAM, trace gravel				
583.30	4	2.4	17	LL=23, PL=16, PI=7				
583.30	4	B						
583.30	5	5.0	19	Hard to Very Stiff Gray, Dry to Moist SILTY CLAY LOAM, trace gravel				
583.30	7	S						
583.30	3							
583.30	5							
583.30	11	6.0	11					
583.30	13	S						
583.30	5							
583.30	10	6.3	13					
583.30	11	S						
583.30	3							
583.30	4	3.5	19					
583.30	6	B						
583.30	3							
583.30	5	4.0	21					
583.30	8	B						
583.30	3							
583.30	4	3.9	20	Gray, Dry SAND, trace gravel				
583.30	7	B						
583.30	8			Hard Gray, Dry SILT				
583.30	9	4.1	12					
583.30	9	S						
583.30	4							
583.30	6	3.7	12	Hard to Very Hard Gray, Dry SILTY CLAY LOAM, trace gravel				
583.30	8	S						

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				Surface Water Elev. None ft				
				Stream Bed Elev. None ft				
				Groundwater Elev.: First Encounter 525.3 ft				
				Upon Completion None ft				
				After Hrs. None ft				
589.30	11			Very Hard Gray, Dry to Moist SILTY CLAY LOAM, trace gravel (continued)	520.80	100/5		
589.30	18	8.5	10		520.30	13.0	8	
589.30	28	S			520.30	P		
589.30	11							
589.30	15	8.3	11	Extremely Dense Gray, Wet SAND and gravel				
589.30	22	S						
589.30	11							
589.30	13							
589.30	25	5.5	14	Hard Gray, Dry SILT				
589.30	33	P						
589.30	23							
589.30	39	13.0	9	Very Hard Gray, Dry to Moist SILTY CLAY LOAM, trace gravel				
589.30	58	P						

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DESIGNED	EV
CHECKED	PC
DRAWN	JCP
CHECKED	JPO

SOIL BORING LOG 2
STRUCTURE NO. 016-2119

 600 WEST FULTON STREET CHICAGO, ILLINOIS 60661-1259 TEL 312 454 9100 FAX 312 559 1217 WEB www.sepsteinglobal.com	SHEET NO. S48	F.A.I. RTE. 94	SECTION 1314B-1	COUNTY COOK	TOTAL SHEETS 110	SHEET NO. 84
	S52 SHEETS	CONTRACT NO. 60F65			ILLINOIS FED. AID PROJECT	

7/16/2010 12:50:12 PM P:\Projects\290000\29225 - IDOT PTB 152\CAD\CADD\Sheets\Bridg Phase 2\1612143-048-Boring\log1.dwg