

SOIL BORING



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 5/11/12

ROUTE FAP 303 DESCRIPTION D92-007-93 Traffic Signals on IL 173 @ Mitchell Road LOGGED BY W. Garza

SECTION 129R LOCATION SEC. TWP. RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Surface Water Elev.		DEPTH H	BLOW S	UCS Qu	MOIST T
					ft	ft				
BORING NO. <u>B-1f</u> Station <u>230+59</u> Offset <u>49.00ft Rt CL Mitchell Road</u> Ground Surface Elev. <u>817.4</u> ft	(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)
MEDIUM brown SILTY CLAY LOAM			0.6 P	20			796.40	15 36		
STIFF brown SANDY LOAM	815.40	2 4	1.1 P	18			793.90	25 26 23		
MEDIUM tan SANDY LOAM with GRAVEL	811.40	5 7 7	0.6 P	9			791.40	18 12 14		
STIFF tan SANDY LOAM with GRAVEL	808.90	7 6 9	1.1 B	10			789.40	100/1'		
VERY STIFF tan SANDY LOAM	806.40	12 15 14	2.3 P	10						
VERY STIFF tan SANDY LOAM with GRAVEL	803.90	10 11 17	2.8 P	9						
VERY DENSE light gray SANDY LOAM TILL	800.90	22 31 46		7						
VERY DENSE tan SANDY GRAVEL	798.90	29 34 51								
		7								

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)



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Date 5/21/12

ROUTE FAP 303 DESCRIPTION D92-007-93 Traffic Signals on IL 173 @ Kimber Drive LOGGED BY W. Garza

SECTION 129R LOCATION SEC. TWP. RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Surface Water Elev.		DEPTH H	BLOW S	UCS Qu	MOIST T
					ft	ft				
BORING NO. <u>B-1e</u> Station <u>43' E of Kimber CL</u> Offset <u>78.00ft N IL 173 CL</u> Ground Surface Elev. <u>747.9</u> ft	(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)
DRY brown SILTY CLAY LOAM				6			726.90	5 8		
MEDIUM tan clean medium coarse SAND	745.90	5 6 8					724.40	4 7 11		
MEDIUM tan SANDY GRAVEL	741.90	6 10 11					721.90	6 11 15		
MEDIUM tan SANDY GRAVEL	739.40	7 12 17					719.40	9 12 13		
DENSE tan SANDY GRAVEL	736.90	8 17 20					716.90	9 13 16		
MEDIUM tan SANDY GRAVEL	734.40	9 8 11					714.40	3 5 7		
MEDIUM tan clean medium coarse SAND	731.90	10 11 16					711.90	2 3 7		
MEDIUM tan clean medium coarse SAND	729.40	6 7 9								
MEDIUM tan fine SAND		2								

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)

FILE NAME = ... \200793LOGS_SIGNALS.dgn	USER NAME = Elgin 110	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNAL STRUCTURE SOIL BORING LOGS	F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 677
THE UPCHURCH GROUP, INC.	PLOT SCALE = 2.0000' / IN. PLOT DATE = 5/2/2013 1:06:23 PM	DRAWN - JAU CHECKED - DATE - APRIL 30, 2013	REVISED - REVISED - REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 64988		ILLINOIS FED. AID PROJECT