

BLOOM COMPANIES, LLC. CHICAGO, ILLINOIS
BORING LOG
 JOB NO: BM3-1272 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION BORING NO: B-12 (cont.)
 PROJECT: Bridge Replacement at Cumberland Avenue and I-90 STATION: 116+15
 LOCATION: Bridge South Abutment OFFSET: 49' RT SURF ELEV: 657.2
 BORING RIG & METHOD: Diedrich D-50 w/Hollow Stem Augers

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q _u	STRAIN %	WATER CONTENT %
43.5-45.0				5	3 5-7	1.4	15	23.6
48.5-50.0			Very Stiff to Stiff Gr Silty Clay A-6, trace Gravel	17	4 5-9	2.5	15	22.7
53.5-55.0				18	3 6-6	1.4	15	18.4
58.5-60.0				18	3 6-7	2.7	15	15.2
63.5-65.0		595.2	Very Dense Gr Silt A-4, trace Gravel	18	18 31-41			16.1
68.5-70.0		590.2	Very Loose Gr Sand A-3	18	1 1-1			17.9
73.5-75.0		585.2	Dense Gr Sand A-3, little Gravel	18	10 14-20			11.6
78.5-80.0		579.2	Hard Gr Silty Loam A-4, trace Gravel (Hardpan)	9	6 12-13	6.8	15	13.6

REMARKS Automatic Hammer Used
 () Denotes Calibrated Penetrometer Estimate
 WATER 37 FT. ELEV. 620.2 DURING DRILLING CORE SIZE IN. DATE: Apr 9, 10
 WATER FT. ELEV. AT COMPLETION CASING LENGTH FT. DRILLER: Shlimon
 WATER 32 FT. ELEV. 625.2 AFTER 72 HRS. CASING DIAMETER IN. INSPECTOR: Alsalami

BORING LOG B-5C Page 1 of 3
 wangeng@wangeng.com WEI Job No.: 555-14-01 Datum: NAVD88
 1145 N Main Street Elevation: 635.70 ft
 Lombard, IL 60148 Client: IDOT District One, Region One North: 1937315.23 ft
 Telephone: 630 953-9928 Project: Cumberland Avenue over Interstate 90 East: 1119380.94 ft
 Fax: 630 953-9938 Location: S1/2 Sec 2, T40N, R12E Station: 3384+02
 Offset: 29' LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	q _u (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	q _u (tsf)	Moisture Content (%)
657.2	2.5-2-inch thick, ASPHALT												
654.7	PAVEMENT												
654.7	4.5-13-inch thick, CONCRETE												
	BLIND DRILL												

GENERAL NOTES
 Begin Drilling 10-03-2011 Complete Drilling 11-14-2011
 Drilling Contractor Wang Testing Service Drill Rig B-57, TMR
 Driller R&N Logger E. Datz Checked by C. Marin
 Drilling Method 3.25 IDA HSA; Boring backfilled upon completion
 WATER LEVEL DATA
 While Drilling 56.00 ft
 At Completion of Drilling WASH.
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG B-5C Page 2 of 3
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674.7	Hard, gray SILTY CLAY, little gravel	1	9 14 24	6.85 B	15								
		2	10 19 25	7.95 B	14								
	--PMT#1, Appendix B--												
661.9	Very stiff to hard, gray CLAY, little gravel	3	10 14 17	5.08 B	9								
		4	6 8 11	3.12 B	21								
659.2	Very dense, gray fine to coarse SAND												
		5	22 29 43	NP	15								
	1-inch thick, hard gray CLAY												

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