Wang Engineering

wangeng@wangeng.com 1145 N Main Street Lombard, IL 60148 Telephone: 630 953-9928 Fax: 630 953-9938

BORING LOG SB-08

WEI Job No.: 486-11-01 Collins Engineers, Inc.

Project I-90/94 (Kennedy Expressway) at Ontario Street Location NE1/4, Sec. 8, R14E and T39N of 3rd PM

Datum: NAVD 88 Elevation: 573.56 ft North: 1904556.30 ft East: 1169292.19 ft Station: 106+38 Offset: 1 LT

Profile	SOIL AND ROCK DESCRIPTION	Depth (ff) Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ff)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture
		-													
]													
			17	16 23 28	7.38 B	13									
		55_/	\	28											
	<u>5</u> 16.1	<u>∇</u>													
	Very dense, gray SILT and GRAVEL, some cobble	-													
		60_	⊴ 18	50/4"	NP										
7/0	512.6 Very dense DOLOSTONE	\dashv													
	HARD DRILLING- WEATHERED BEDROCK- AUGER REFUSAL AT 63.	-]													
	510.1 FT-		19		NP										
	Boring terminated at 63.50 ft	65		50/0"											
		3													
		-													
		-													
		70_													
		1													
		1													
		1													
		_													
		75_													
	GENERA	LNC	ΣΈ	S	_				WATER L	EVE	LC	DA.	TA		_
Be	gin Drilling 10-05-2011	Comp	lete D	rilling		10-05			While Drilling				50 ft		
	lling Contractor WTS			Drill Ri		Mobi			At Completion of Drilling		٧	VA:	SHED)	
Dril	ller R&N Logger lling Method 3.25 IDA HSA; Bor	E. Da						giarto	Time After Drilling Depth to Water	NA NA					
Dril															

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BORING LOG SB-09

WEI Job No.: 486-11-01 Collins Engineers, Inc.

Datum: NAVD 88
Elevation: 593.05 ft
North: 1904603.38 ft
East: 1169321.36 ft
Station: 106+25
Offset: 53 RT Project I-90/94 (Kennedy Expressway) at Ontario Street Location NE1/4, Sec. 8, R14E and T39N of 3rd PM

Datum: NAVD 88

Profile	BESSIAL HON	Sample Type recovery	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ff)	Sample Type	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
4444	592.48-inch thick black CLAY LOAM -TOPSOIL- Dense, gray CRUSHED STONE -FILL- Very stiff, dark brown to black SILTY CLAY, trace gravel	1	30 35 13	2.00 P	15				- - - -	1	1 1 1 2	0.25 B	25
	FILL	2	3 4 4	2.25 P	12				30_	1	2 0 0 2	0.25 B	25
	Medium stiff to stiff, brown to dark gray SILTY CLAY, trace gravelFILL	3	2 2 5	0.74 B	26				-				
		4	2 3 3	1.97 B	22				35_	1	3 0 1 2	0.08 B	24
	581.0 Very soft to soft, gray SILTY CLAY, trace gravel	5	2 2 3	0.98 B	22				-				
		6	W O H	0.16 B	22				40 <u></u>	1	4 0 3 2	0.49 B	22
		7	0 0 3	0.08 B	21			dium stiff, gray SILTY CL se gravel	.AY, _				
	:	8	0 2 2	0.25 B	18				45	1	5 6 3 4	0.66 B	17
T 6/27/12		9	0 1 2	0.41 B	24				- - -				
GINC 4861101.GPJ WANGENG.GDT 6/27/12		10	1	0.16 B	25				50 <u></u>		6 3 5 6	0.98 B	20
01.GP.	GENERAL							WATER					
Be110	•	Complete D	-		06-04			While Drilling	<u>¥</u>		DRY		
Dr Dr	illing Contractor WTS iller R&J Logger A	. Kurnia	Drill Ri	•	Mobi by S		3-57 igiarto	At Completion of Drilling Time After Drilling	▼ NA		DRY		

Drilling Method 2.25 SSA to 15 feet and Mud Rotary threafter;

Boring backfilled upon completion

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BORING LOG SB-09 WEI Job No.: 486-11-01

Location NE1/4, Sec. 8, R14E and T39N of 3rd PM

Collins Engineers, Inc. Project I-90/94 (Kennedy Expressway) at Ontario Street

Datum: NAVD 88 Elevation: 593.05 ft North: 1904603.38 ft East: 1169321.36 ft Station: 106+25 Offset: 53 RT

SOIL AND ROCK SOIL AND ROCK DESCRIPTION DESCRIPTION Very dense, gray SILT Bedrock at 80 feet bgs, drilled to 82 feet bgs to confirm bedrock Very stiff to hard, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel Boring terminated at 82.00 ft WATER LEVEL DATA GENERAL NOTES Begin Drilling 06-04-2012 06-04-2012 Complete Drilling While Drilling WTS Drill Rig Mobile B-57 Drilling Contractor DRY At Completion of Drilling R&J Logger A. Kurnia Checked by S. Sugiarto Driller Time After Drilling

Drilling Method 2.25 SSA to 15 feet and Mud Rotary threafter;

Boring backfilled upon completion

COLLINS 123 N. MOCHE Dr. SUITE 900 ENGINEERS 1016. 1372 1704-3300 ENGINEERS 2 1016. 1372 1704-3300 ILLINOIS PROFESSIONAL DESION FIRM LICENSE NO. 184-888993

USER NAME =	DESIGNED	-	MAH	REVISED
	CHECKED	-	LDB	REVISED
PLOT SCALE =	DRAWN	-	DR	REVISED
PLOT DATE =	CHECKED	-	JMH	REVISED