

MUNICIPAL TESTING LABORATORY, INC.

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A FULL SERVICE LABORATORY AND ENGINEERING CONSULTANT; STEEL, CONCRETE, SOILS, ASPHALT & ALL BUILDING MATERIALS

LABORATORY REPORT

CLIENT: LIRO

DATE-PLACED: 06/04/02

PROJECT : W.T.C. Paving

DATE-CORED: 06/17/02

CALCULATIONS BY: M.Mathew

TESTED: 06/21/02

REPORT No. 9460

SPEC: NYCDDC

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BULK SPECIFIC GRAVITY OF COMPACTED MIXTURE

	MAT CORES		ASTM D-2726			
Thick- ness (in)	CORE NO.	WEIGHT - GRAMS			VOLUME CU.CM. (E1-E)=F	SPECIFIC GRAVITY Gmb D/F=G
		IN AIR	IN WATER	SAT-SUR. DRY		
		D	E	E1		
1.97	SS13	850.8	514.6	851.2	336.6	2.528
2.48	SS14	1083.3	638.2	1091.0	452.8	2.392
1.26	SS15	631.2	384.5	632.1	247.6	2.549
1.65	SS16	723.8	412.2	727.7	315.5	2.294
1.46	SS17	595.4	348.3	598.8	250.5	2.377
1.50	SS18	689	403.8	692	288.2	2.391
1.18	SS19	614.9	360.6	616.8	256.2	2.400
1.50	SS20	712.5	429.5	713.8	284.3	2.506

PAVEMENT DENSITY CALCULATIONS

CORE NO.	CORE BULK SPEC. GRAVITY ASTM D-2726 Gmb	SPECIFIC GRAVITY DESIGN MIX VALUE (PLANT SUPPLIED) Gmm	PERCENT COMPACTION (Gmb/Gmm) x100
SS13	2.528	2.583	97.9
SS14	2.392	2.583	92.6
SS15	2.549	2.583	98.7
SS16	2.294	2.583	88.8
SS17	2.377	2.583	92.0
SS18	2.391	2.583	92.6
SS19	2.400	2.583	92.9
SS20	2.506	2.583	97.0

ASPHALT CONTENT 5.14 (Core #SS17)

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CLIENT: LIRO

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BULK SPECIFIC GRAVITY OF COMPACTED MIXTURE

MAT CORES ASTM D-2726

Thick- ness(in.)	CORE NO. C	WEIGHT - GRAMS			VOLUME CU.CM. (E1-E)=F	SPECIFIC GRAVITY Gmb D/F=G
		IN AIR D	IN WATER E	SAT-SUR. DRY E1		
2.17	SS21	837.4	499.8	838.9	339.1	2.469
1.89	SS22	849.3	505.1	852.3	347.2	2.446
1.77	SS23	794.2	472.7	797.6	324.9	2.444
1.18	SS24	572.7	348.4	573.5	225.1	2.544
2.17	SS26	794.8	473	796.4	323.4	2.458
					0	NA
					0	NA
					0	NA

PAVEMENT DENSITY CALCULATIONS

CORE NO.	CORE BULK SPEC. GRAVITY ASTM D-2726 Gmb	SPECIFIC GRAVITY DESIGN MIX VALUE (PLANT SUPPLIED) Gmm	PERCENT COMPACTION (Gmb/Gmm) x100
SS21	2.469	2.583	95.6
SS22	2.446	2.583	94.7
SS23	2.444	2.583	94.6
SS24	2.544	2.583	98.5
SS26	2.458	2.583	95.2
0	NA	2.583	NA
0	NA	2.583	NA
0	NA	2.583	NA

ASPHALT CONTENT 5.14 (Core #SS17)