NYC 9/11 Public Portal Document

MUNICIPAL TESTING LABORATORY, INC.

102 NEW SOUTH ROAD, HICKSVILLE NEW YORK, 11801 (516) 938-7120;FAX (516) 938-5107

www.municipaltestinglab.com email: municipal@municipaltestinglab.com

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

LABORATORY REPORT

CLIENT: LIRO **DATE-PLACED:** 04/26/02

PROJECT : W.T.C. Paving **DATE-CORED:** 05/02/02

CALCULATIONS BY: M.Mathew **TESTED:** 05/03/02

REPORT No. 9178 **SPEC:** NYCDDC

BULK SPECIFIC GRAVITY OF COMPACTED MIXTURE

MAT - CORES - ASTM D-2726

Thick-ness(in.)	CORE NO.	WEIGHT - GRAMS IN AIR D	IN WATER E	SAT-SUR. DRY E1	VOLUME CU.CM. (E1-E)=F	SPECIFIC GRAVITY Gmb D/F=G
3.00	2a	1596.2	934.0	1601.2	667.2	2.392
2.00	2b	495.2	291.8	498.0	206.2	2.402
1.50	2c	735.5	438.2	738.0	299.8	2.453
2.50	3a	1081.4	644.7	1084.5	439.8	2.459
2.50	3c	1117.4	668.5	1118.9	450.4	2.481
3.50	4a	1424.7	828.9	1427	598.1	2.382
2.00	4b	875.4	523.2	876.1	352.9	2.481
4.00	4c	1643.0	977.9	1645.2	667.3	2.462

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
2a	2.392	2.582	92.6
2b	2.402	2.582	93.0
2c	2.453	2.582	95.0
3a	2.459	2.582	95.2
3c	2.481	2.582	96.1
4a	2.382	2.582	92.3
4b	2.481	2.582	96.1
4c	2.462	2.582	95.4

PERCENT ASPHALT CONTENT - 5.2%

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