NYC 9/11 Public Portal Document

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:** 05/14/02

PROJECT : W.T.C. Paving **DATE-CORED:** 05/20/02

CALCULATIONS BY: M.Mathew **TESTED:** 05/30/02

REPORT No. 9349 **SPEC:** NYCDDC

BULK SPECIFIC GRAVITY OF COMPACTED MIXTURE

MAT CORES ASTM D-2726

Thick-ness(mm)	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
40	w1	611.6	365.7	613.6	247.9	2.467
60	w2	940.2	554.4	943.7	389.3	2.415
35	w3	526.6	302.7	536.0	233.3	2.257
43	w4	721.8	425.7	726.3	300.6	2.401
58	w5	979.7	584.2	983.6	399.4	2.453
54	w6	888.8	526.5	891.3	364.8	2.436
40	w7	692.3	409.2	696.9	287.7	2.406
45	w8	714.6	423.3	717.8	294.5	2.426

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
w1	2.467	2.628	93.9
w2	2.415	2.628	91.9
w3	2.257	2.628	85.9
w4	2.401	2.628	91.4
w5	2.453	2.628	93.3
w6	2.436	2.628	92.7
w7	2.406	2.628	91.6
w8	2.426	2.628	92.3

PERCENT ASPHALT CONTENT - 5%(Taken from Core No.W5) 02.224271

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