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:** 5/7, 5/2, 5/3/02

**PROJECT :** W.T.C. Paving **DATE-CORED:** 05/08/02

**CALCULATIONS BY:** M.Mathew **TESTED:** 05/10/02

**REPORT No.** 9220 **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 |
|---|---|---|---|---|---|---|
| 68 | C7 | 1237.4 | 754.1 | 1238.8 | 484.7 | 2.553 |
| 34 | C8 | 621.6 | 375.8 | 622.6 | 246.8 | 2.519 |
| 69 | C9 | 1213.1 | 723.3 | 1214.0 | 490.7 | 2.472 |
| 55 | C10 | 907.5 | 529.7 | 911.5 | 381.8 | 2.377 |
| 57 | C11 | 980.5 | 583.6 | 981.7 | 398.1 | 2.463 |
| 38 | C12 | 656.8 | 393.2 | 657.6 | 264.4 | 2.484 |
| | | | | | 0 | NA |
| | | | | | 0 | NA |

C9-5/02 PLACEMENT,C7,C8,5/07 PLACEMENT,C10,C11,C12,5/03 PLACEMENT.

## 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 |
|---|---|---|---|
| C7 | 2.553 | 2.617 | 97.6 |
| C8 | 2.519 | 2.617 | 96.3 |
| C9 | 2.472 | 2.617 | 94.5 |
| C10 | 2.377 | 2.617 | 90.8 |
| C11 | 2.463 | 2.617 | 94.1 |
| C12 | 2.484 | 2.617 | 94.9 |
| 0 | NA | 2.617 | NA |
| 0 | NA | 2.617 | NA |

**PERCENT ASPHALT CONTENT -** 6.4% (TAKEN FROM CORE NO C8)