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

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

LABORATORY REPORT

CLIENT: LIRO **DATE-PLACED:** 05/30/02

PROJECT : W.T.C. Paving **DATE-CORED:** 06/10/02

CALCULATIONS BY: M.Mathew **TESTED:** 06/15/02

REPORT No. 9425 **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
2.00	PA1	819.6	480.1	821.4	341.3	2.401
1.50	PA2	647.9	376.6	649.9	273.3	2.371
2.00	PA3	757.9	446.4	758.9	312.5	2.425
1.75	PA4	774.7	458.1	775.4	317.3	2.442
2.00	PA5	872.5	514.4	873.9	359.5	2.427
3.00	PA6	1164.8	697.1	1165.7	468.6	2.486
1.50	PA7	556.0	324.0	557.0	233	2.386
1.50	PA8	654.0	373.6	657.0	283.4	2.308

Core #PA8 was cored on 6/12/02.

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
PA1	2.401	2.582	93.0
PA2	2.371	2.582	91.8
PA3	2.425	2.582	93.9
PA4	2.442	2.582	94.6
PA5	2.427	2.582	94.0
PA6	2.486	2.582	96.3
PA7	2.386	2.582	92.4
PA8	2.308	2.582	89.4

ASPHALT CONTENT 4.96% PA5

CITY_21MC100_001659385

NYC-WTC_000188048

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

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

LABORATORY REPORT

CLIENT: LIRO **DATE-PLACED:** 05/31/02

PROJECT : W.T.C. Paving **DATE-CORED:** 06/10/02

CALCULATIONS BY: M.Mathew **TESTED:** 06/15/02

REPORT No. 9425 **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
2.00	PA9	738.8	436.0	740.2	304.2	2.429
1.75	CH1	752.7	441.7	753.9	312.2	2.411
2.00	CH2	833.9	496.0	835.1	339.1	2.459
2.25	CH3	991.2	585.9	992.1	406.2	2.440
2.00	CH4	754.5	438.3	756.4	318.1	2.372
2.00	CH5	868	511.3	869.8	358.5	2.421
2.00	CH6	850.8	488.9	852.6	363.7	2.339
3.00	CHU1	1310.8	782.2	1311.9	529.7	2.475

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
PA9	2.429	2.582	94.1
CH1	2.411	2.582	93.4
CH2	2.459	2.582	95.2
CH3	2.440	2.582	94.5
CH4	2.372	2.582	91.9
B6	2.377	2.582	92.1
CH6	2.339	2.582	90.6
CHU1	2.475	2.582	95.9

ASPHALT CONTENT =4.96% CORE # PA5

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

LABORATORY REPORT

CLIENT: LIRO
PROJECT : W.T.C. Paving
CALCULATIONS BY: M.Mathew
REPORT No. 9425

DATE-PLACED: 05/06/02
DATE-CORED: 06/05/02
TESTED: 06/07/02
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
2.00	CHU2	881.4	521.9	882.5	360.6	2.444
2.50	CHU3	1087.7	649.0	1089.0	440.0	2.472
					0.0	NA
					0.0	NA
					0	NA
					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
CHU2	2.444	2.582	94.7
CHU3	2.472	2.582	95.7
0	NA	2.582	NA
0	NA	2.582	NA
0	NA	2.582	NA
0	NA	2.582	NA
0	NA	2.582	NA
0	NA	2.582	NA

CITY_21MC100_001659387

NYC-WTC_000188050