QA/QC–1A (SP)

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
# HOT MIX ASPHALT QUALITY CONTROL TESTS WORKSHEET

12–12–02

TYPE MIX: _____ JMF NO. _____ DATE: _____

PLANT CERT. NO. _____ PLANT LOCATION: _____

QC SAMPLE NO. _____ QC SAMPLE DATE: _____

| HOT BIN WEIGHTS | #1 | #2 | #3 | #4 |
|---|---|---|---|---|
| | | | | |

| COLD FEED PERCENTAGES | #1 | #2 | #3 | #4 | #5 |
|---|---|---|---|---|---|
| | | | | | |

## AC CONTROL AND GRADATION

| | Weight in Grams | | Estimated Ash % | | TOTAL |
|---|---|---|---|---|---|
| Sample | | x | | % = | |
| Agg. | | + | | = | |
| Asphalt | | – | | = | |
| Total Asphalt | | ÷ | Wt. of Sample | = | AC % |

## BLENDED AGGREGATE GRADATION WITH RAP BLEND ADDED, IF APPLICABLE

WT. AGG. BEFORE WASH _____

DRY WT. BEFORE WASH _____

% MOISTURE _____

DRY WT. AFTER WASH _____

(A) % VIRG. AGG. _____

(B) % RAP _____

| SIEVE | ACCUM. WEIGHT | % Retained | % Pass (A) | Corr. Factor (B) | Total Pass (A+B) | JMF % AC | ACCUM. WEIGHT | % Retained | % Pass (C) | Corr. Factor (D) | Total Pass E=C+D | % Virgin Agg. Yield F=AxE | RAP Gradation (G) | % RAP Yield H=BxG | Total Blend I=F+H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 mm | | | | | | | | | | | | | | | |
| 37.5 mm | | | | | | | | | | | | | | | |
| 25 mm | | | | | | | | | | | | | | | |
| 19 mm | | | | | | | | | | | | | | | |
| 12.5 mm | | | | | | | | | | | | | | | |
| 9.5 mm | | | | | | | | | | | | | | | |
| 4.75 mm | | | | | | | | | | | | | | | |
| 2.36 mm | | | | | | | | | | | | | | | |
| 1.18 mm | | | | | | | | | | | | | | | |
| 0.60 mm | | | | | | | | | | | | | | | |
| 0.30 mm | | | | | | | | | | | | | | | |
| 0.15 mm | | | | | | | | | | | | | | | |
| 0.075 mm | | | | | | | | | | | | | | | |
| PAN | | | | | | | | | | | | | | | |

$P_{0.075} / AC_{EFF}$ Ratio _____

## GYRATORY COMPACTED SPECIMEN TEST DATA AT $N_{max}$ GYRATIONS

| SPEC. NO. | Height @$N_{max}$ (mm) A | DRY IN AIR (grams) B | SSD IN AIR (grams) C | IN WATER (grams) D | $G_{mb}$ @$N_{max}$ (meas.) $\frac{B}{C-D}$ E | $G_{mm}$ (Rice Grav.) (meas.) F | % $G_{mm}$ @ $N_{max}$ $(E \div F) \times 100$ G |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| | | | | AVERAGES | | | |

*PRINT NAME LEGIBLY w/HiCAMS #: _____

*QA/QC TECHNICIAN SIGNATURE: _____

* NOTE: BY PROVIDING THIS DATA UNDER MY MY SIGNATURE AND /OR HiCAMS CERTIFICATION NUMBER, I ATTEST TO THE ACCURACY AND VALIDITY OF THE DATA CONTAINED ON THIS FORM AND CERTIFY THAT NO DELIBERATE MISREPRESENTATION OF TEST RESULTS, IN ANY MANNER, HAS OCCURRED.