STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

REPORT OF CALIBRATION FACTOR WITH RAP (INCLUDING WEEKLY CHECKS)
USING THE IGNITION OVEN METHOD - PART 1

Contract No.: _____ Tested by: _____ Date: _____

Mix Design No.: _____ JMF No.: _____ Furnace No.: _____ Actual Lime %: _____

Calibration Factor: Test No.: _____

A: (Agg w/lime) ÷ (1 - % RAP in decimal form) = (Agg w/lime + RAP)

(Agg w/lime + RAP) - (Agg w/lime) = **B:** (RAP)

Verify that RAP does not exceed 15%

(RAP) ÷ (Agg w/lime + RAP) x 100 = (% RAP)

(Agg w/lime) ÷ (Agg w/lime + RAP) x 100 = (% Agg w/lime)

(Agg w/lime) ÷ (1 + lime % in decimal form) = (Agg w/out lime)

(Agg w/lime) - (Agg w/out lime) = (Lime)

(Agg w/out lime) + (RAP) = (Dry agg w/out lime + RAP)

(Dry agg w/out lime + RAP) x (Bit.ratio added in decimal form) = **C:** (Oil added)

(Dry agg w/out lime + RAP) + (Lime) + (Oil added) = **D:** (Total)

Calibration Factor: Test No.: _____

A: (Agg w/lime) ÷ (1 - % RAP in decimal form) = (Agg w/lime + RAP)

(Agg w/lime + RAP) - (Agg w/lime) = **B:** (RAP)

Verify that RAP does not exceed 15%

(RAP) ÷ (Agg w/lime + RAP) x 100 = (% RAP)

(Agg w/lime) ÷ (Agg w/lime + RAP) x 100 = (% Agg w/lime)

(Agg w/lime) ÷ (1 + lime % in decimal form) = (Agg w/out lime)

(Agg w/lime) - (Agg w/out lime) = (Lime)

(Agg w/out lime) + (RAP) = (Dry agg w/out lime + RAP)

(Dry agg w/out lime + RAP) x (Bit.ratio added in decimal form) = **C:** (Oil added)

(Dry agg w/out lime + RAP) + (Lime) + (Oil added) = **D:** (Total)

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

REPORT OF CALIBRATION FACTOR WITH RAP (INCLUDING WEEKLY CHECKS)
USING THE IGNITION OVEN METHOD - PART 2

Contract No.: _____ Tested by: _____ Date: _____

Mix Design No.: _____ JMF No.: ____ Furnace No.: _____ Calibration Factor: _____

Test No.	C.F.	Temperature	Accept or Reject
1			
2			
3			
4			

Asphalt Source: _____
Asphalt Grade: _____
Type of Mixture: _____

_____ (BIT. RATIO ADDED) + _____ (BIT. RATIO RAP) = _____ (BIT. RATIO TOTAL)

Bit. Ratio Total _____
A: Agg w/lime _____
B: RAP _____
C: Oil added _____
D: Total _____

Calibration Factor: Test No. 1

{ [(_____ (MI) DRY MASS - _____ (MF) MASS AFTER) ÷ _____ (MF) MASS AFTER]100 } = _____ BIT. RATIO

_____ BIT. RATIO - _____ BIT. RATIO TOTAL = C.F. _____ %

Bit. Ratio Total _____
A: Agg w/lime _____
B: RAP _____
C: Oil added _____
D: Total _____

Calibration Factor: Test No. 2

{ [(_____ (MI) DRY MASS - _____ (MF) MASS AFTER) ÷ _____ (MF) MASS AFTER]100 } = _____ BIT. RATIO

_____ BIT. RATIO - _____ BIT. RATIO TOTAL = C.F. _____ %

Bit. Ratio Total _____
A: Agg w/lime _____
B: RAP _____
C: Oil added _____
D: Total _____

Calibration Factor: Test No. 3

{ [(_____ (MI) DRY MASS - _____ (MF) MASS AFTER) ÷ _____ (MF) MASS AFTER]100 } = _____ BIT. RATIO

_____ BIT. RATIO - _____ BIT. RATIO TOTAL = C.F. _____ %

Bit. Ratio Total _____
A: Agg w/lime _____
B: RAP _____
C: Oil added _____
D: Total _____

Calibration Factor: Test No. 4

{ [(_____ (MI) DRY MASS - _____ (MF) MASS AFTER) ÷ _____ (MF) MASS AFTER]100 } = _____ BIT. RATIO

_____ BIT. RATIO - _____ BIT. RATIO TOTAL = C.F. _____ %

Remarks: _____

Resident Engineer: _____

Distribution: Headquarters Construction, District, Resident Engineer, Contractor