STATE OF NEVADA

DEPARTMENT OF TRANSPORTATION

FIELD MATERIAL SIEVE TEST / BITUMINOUS RATIO BY IGNITION METHOD

Contract No.: ____________________ JMF No.: ____________ Tested By: ____________

Type of Mixture: ____________________ Station: ____________ Location: ____________

Asphalt Grade: ____________________ Test No.: ____________ Date Sampled: ____________

Mix Design No.: ____________________ Furnace Temp: ____________ Date Tested: ____________

SIEVE	WEIGHT RETAINED	% RETAINED	% PASSING	JOB-MIX	SPEC
25 mm (1")					
19 mm (3/4")					
12.5 mm (1/2")					
9.5 mm (3/8")					
4.75 mm (No. 4)					
2.00 mm (No. 10)					
1.18 mm (No. 16)					
425 µm (No. 40)					
300 µm (No. 50)					
150 µm (No. 100)					
75 µm (No. 200)					
Pan			(MF) Mass After ________		Bitumen Ratio
Wash			- Mass After Wash ________		From Job-mix:
Mass After			= Mass - 200 Wash ________		________

CALIBRATION FACTOR:

Factor ____________

Date Performed ____________

Furnace No. ____________

*Calibration Factor from form NDOT 040-053

MOISTURE CORRECTION:

[(________ - ________) ÷ ________] × 100 = ________ %

(A) Initial Mass; (B) Final Mass; (B) Final Mass; MC

BITUMEN RATIO FROM TAPE CALCULATION:

________ ________ % - ________ % = ________ %

(MI) Dry Mass; (B.R.) Printed Tape; (MC); B.R.

**BITUMEN RATIO FROM MANUAL CALCULATION:

[[(________ - ________) ÷ ________] × 100] *± ________ % - ________ % = ________ %

(MI) Dry Mass; (MF) Mass After; (MF) Mass After; (CF); (MC); B.R.

* NOTE: add (-) correction factors and subtract (+) correction factors

**NOTE: If the furnace can't automatically calculate a corrected bitumen ratio, calculations can be performed manually.
Only fill in Tape Calculation or Manual Calculation, not both.

Resident Engineer: ____

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Distribution: Headquarters Construction, District, Resident Engineer, Contractor