

STATE OF NEVADA  
DEPARTMENT OF TRANSPORTATION

**SAND DENSITY CALCULATION - T102**

Contract No. \_\_\_\_\_

State Id No. \_\_\_\_\_

Date \_\_\_\_\_

Three Piece Sand Cone with 200 mm (8 in.) Measuring Vessel (Hat)

One Piece Sand Cone with 250 mm (10 in.) Measuring Vessel (Hat)

Trial Pours

Initial Weight of Sand - Weight of Residue = Weight of Sand Used

1. \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_ lb

2. \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_ lb

3. \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_ lb

Trial Pour Average = \_\_\_\_\_ lb

**(Note: All three trial pours must be within ± 0.2 lb of each other, if not repeat this procedure.)**

Trial Pour Average / Volume of the Sand Cone and Measuring Vessel (Hat) = Sand Density in lb/ft<sup>3</sup>

\_\_\_\_\_ / \_\_\_\_\_ = \_\_\_\_\_ lb/ft<sup>3</sup>

Sand Density in lb/ft<sup>3</sup> / 62.4 = Sand Density in Mg/m<sup>3</sup>

\_\_\_\_\_ lb/ft<sup>3</sup> / 62.4 = \_\_\_\_\_ Mg/m<sup>3</sup>

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Tested By: \_\_\_\_\_ Resident Engineer: \_\_\_\_\_