

STATE OF NEVADA  
DEPARTMENT OF TRANSPORTATION

**NUCLEAR GAUGE / SAND CONE CORRELATION FORM**

Date \_\_\_\_\_  
Material Type \_\_\_\_\_  
Material Source \_\_\_\_\_

Contract No. \_\_\_\_\_  
Nuclear Set No. \_\_\_\_\_

**IN-PLACE WET DENSITY CORRELATION** *(with Offsets Disabled)*

	Test No.	Sand Cone Wet Density	Nuclear Gauge Wet Density	
<b>1</b>				
<b>2</b>				
<b>3</b>				Difference (±)
	Average:			

*Sand Cone - Nuclear Gauge = Wet Density Offset*

	Test No.	% Moisture Oven Dry	% Moisture Gauge
<b>1</b>			
<b>2</b>			
<b>3</b>			
	Average:		

**Moisture Correction Factor Equation**

$$\frac{\text{Avg. \% Moisture Oven Dry} - \text{Avg. \% Moisture Gauge}}{100 + \text{Avg. \% Moisture Gauge}} \times 1000 =$$

$$\frac{-}{100 +} \times 1000 = \text{Moisture Offset (MCF)}$$

**MODIFIED PROCTOR COMPACTION TEST RESULTS**

<b>1</b>	Test No.	
	Maximum Dry Density = (d) Mg/m <sup>3</sup> (lb/ft <sup>3</sup> )	
	Optimum Moisture %	

*(if applicable)*

	Corr. Max. Dry Density = (D) Mg/m <sup>3</sup> (lb/ft <sup>3</sup> )	
	Corr. Optimum Moisture %	

**CHECK TESTS** *(with Offsets Enabled)*

	Test No.	Sand Cone Wet Density	Nuclear Gauge Wet Density	Difference (±)
<b>4</b>				
<b>5</b>				

Maximum Deviation:  
(± 0.032 Mg/m<sup>3</sup> or ± 2.0 lb/ft<sup>3</sup> Allowable) \_\_\_\_\_

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

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

NDOT

040-026

Rev. 07/14

Distribution: Headquarters Construction, District, Resident Engineer, Contractor