

State of Nevada
Department of Transportation
Materials Division

**METHOD OF TEST FOR MEASURING SURFACE TEMPERATURE OF
IN-PLACE PORTLAND CEMENT CONCRETE**

SCOPE

This test method describes the procedure for measuring the temperature of in-place portland cement concrete.

APPARATUS

Use a recording device approved by the Construction Division. The recorder must be capable of measuring and recording temperatures as specified in Subsection **501** of the Nevada Department of Transportation Standard Specifications for Road and Bridge Construction.

TEMPERATURE MEASUREMENT

Temperature shall be measured continuously, in increments of 1.1°C (2°F) **or less**, immediately after placement and vibration of the concrete. Surface temperature of the in place concrete shall be measured by placing the probe on the concrete surface at a point representing the mass of concrete placed, as approved by the Engineer. The unit shall be insulated from the influence of external temperature sources. The **recording device** shall be set to the correct time and actuated after installation. The Engineer will be responsible for maintenance **of the device**.

REPORT

Record the contract number, date, time, stationing and type of placement on the back of the chart or the computer print out.