

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 501.03.10 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), immediately after placement and vibration. 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 chart recorder shall be set to the correct time and actuated after installation. The Engineer will be responsible for maintenance and changing of charts.

REPORT

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