

State of Nevada
Department of Transportation
Materials Division

**METHOD OF TEST FOR SAMPLING, DETERMINING UNIT WEIGHT, AIR CONTENT, AND
MAKING AND CURING SPECIMENS OF HYDRAULIC-CEMENT
SELF-CONSOLIDATING CONCRETE**

SCOPE

This test method covers the procedure for obtaining representative samples of hydraulic-cement self-consolidating concrete from approved delivery equipment and modifications to procedures for determining unit weight, air content, and making and curing specimens of self-consolidating concrete (SCC).

SAMPLING

Sampling of freshly mixed SCC shall be performed in accordance with Test Method Nev. T425, except the time to obtain the representative sample shall not exceed 2 minutes.

UNIT WEIGHT, AIR CONTENT, AND MAKING AND CURING SCC SPECIMENS

1. The unit weight test shall be performed in accordance with Test Method Nev. T435, except the measure shall be filled in one lift without vibrating, rodding or tamping.
2. The air content test shall be performed in accordance with Test Method Nev. T431 or T432, except the bowl shall be filled in one lift without vibrating, rodding, or tamping.
3. Compressive strength and segregation test specimens shall be made in accordance with Test Method Nev. T428, except the specimen molds shall be filled in one lift without vibrating, rodding or tamping.