

## 1704 – WARNING LIGHTS

### SECTION 1704

#### WARNING LIGHTS

##### 1704.1 DESCRIPTION

This specification covers warning lights for use on traffic control devices.

##### 1704.2 REQUIREMENTS

**a. General.** Provide warning lights of the type or types shown in the Contract Documents and complying with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD), Part VI, Warning Lights and the Institute of Transportation Engineers (ITE) Purchase Specification for Flashing and Steady Burn Warning Lights.

Clearly mark the manufacturer's name, type and model number on the outside of each unit used on the project.

Provide lights that comply with the crashworthy criteria contained in the testing and acceptance guidelines of the National Cooperative Highway Research Program (NCHRP) Report 350.

**b. Batteries.** Use batteries that are recommended by the light manufacturer. Replace batteries when they no longer provide satisfactory performance as determined by the Engineer.

##### 1704.3 TEST METHODS

As specified in ITE Purchase Specification for Flashing and Steady Burn Warning Lights.  
Test lights as specified by NCHRP Report 350.

##### 1704.4 PREQUALIFICATION

Supply test data from an approved testing laboratory for each type and model of warning light showing compliance with the specification. Submit test results, along with the brand, model and type of warning light to the Engineer of Tests. Requalify any unit that has been modified or changed in such a way as to affect the performance of the unit. Submit a NCHRP Report 350 crashworthy certification to the Engineer of Tests.

The Bureau of Materials and Research will maintain a list of prequalified warning lights.

##### 1704.5 BASIS OF ACCEPTANCE

Prequalification as specified in **subsection 1704.4.**

Receipt and approval of a Type C certification as specified in **DIVISION 2600.**

Satisfactory performance in the field.