

**STATE OF OHIO
DEPARTMENT OF TRANSPORTATION**

**SUPPLEMENT 1046
VEHICULAR SIGNAL INCANDESCENT LAMP
PREQUALIFICATION PROCEDURE
APRIL 21, 2006**

1046.01 Description

1046.02 Approval

1046.03 Removal from the Prequalified List

1046.04 Reapproval

1046.05 Modifications to Prequalified Lamp

1046.06 Annual Recertification

1046.01 Description This Supplement describes the procedure by which the Department will prequalify Vehicular Signal Incandescent Lamps for inclusion on the Department's Qualified Products List (QPL).

1046.02 Approval Submit the following information to the Office of Traffic Engineering:

- A. Certified test data (no older than 2 years) for six (6) lamps from an independent Laboratory which describes how the material requirements of 732.04.B are met or exceeded. The following test results should be provided:
 - 1. Lumen Output
 - 2. Gas Analysis
 - 3. Mechanical Vibration
 - 4. Rated Life

B. Sample

Four (4) of the vehicular signal incandescent lamp for which pre-qualification is being requested.

The Department will review the submitted test reports and samples. If the vehicular signal incandescent lamp meets the specification, the lamp will be added to the Department's Qualified Products List.

1046.03 Removal from the Prequalified List A vehicular signal incandescent lamp shall be removed from the prequalified list if the lamp has substantially or recurrently failed to perform satisfactorily in the field.

Vehicular signal incandescent lamps must meet the following performance requirements:

- A. No more than 0.5% of the vehicular signal incandescent lamps supplied shall fail within the first

30 days of installation.

- B. No more than 2% of vehicular signal incandescent lamps supplied shall fail within the first year of installation.

These failure rates shall be figured on a District level for both materials and performance. Failure to meet the performance requirements in any District may be just cause for removal of the vehicular signal incandescent lamp from the QPL.

1046.04 Reapproval A vehicular signal incandescent lamp removed from the QPL due to unsatisfactory field performance shall not be returned to the list until the manufacturer identifies the reason for the failure and the problem has been corrected to the satisfaction of the Department. Experiences of other States and governmental agencies may be considered in this action. Also additional test data may be required to satisfy that the problem has been corrected.

1046.05 Modifications to Prequalified Lamp It is recognized that manufacturers will occasionally modify certain aspects of their products in an effort to enhance performance, improve durability, reduce costs or for other similar reasons. Notify the Department whenever modifications are made to a vehicular signal incandescent lamp contained on the QPL. Include descriptive literature of the modification and certify that the modified vehicular signal incandescent lamp meets or exceeds the requirements of 732.04.B. The Department will review the submittal and verify if the modified vehicular signal incandescent lamp meets the specifications. Modified vehicular signal incandescent lamps meeting the specifications will be retained on the QPL.

1046.06 Annual Recertification By January 1st of each calendar year, manufacturers must recertify that the vehicular signal incandescent lamp supplied meets or exceeds the requirements of 732.04.B. Address modifications in accordance with 1046.05. Vehicular signal incandescent lamps not recertified will be removed from the QPL effective February 1st.