

ENGINEERING DIRECTIVES AND STANDARDS

Volume	Chapter	Section	Directive Number	Effective Date
III	2	5	9	11/8/2013

SUBJECT: OPERATIONS AND MAINTENANCE OF NAVIGATION LIGHTING AND AERIAL LIGHTING ON ALL BRIDGES

- 1. PURPOSE:** To insure that the Department inspects, maintains, and operates all navigational lighting and aerial lighting in accordance with US Coast Guard and the Federal Aviation Agency on all LA DOTD bridges constructed over navigable waters and/or are at a height that requires aviation lighting.
- 2. SCOPE:** This directive covers the general policy and operating procedures for maintaining navigational and aerial lighting, major duties and responsibilities of the districts field personnel.
- 3. POLICY:**
 - A. All navigation and aerial lighting shall be inspected by District bridge inspectors at least once every two years as part of the routine bridge inspection and reported in the bridge inspection reports under appropriate Element condition states. Inspection shall include assessment for proper function and verification that lights were properly constructed and are correctly placed as per the most current approved lighting plan. Additionally, a diagram of light placement shall be included with the report if light placement differs from As-built plans.
 - B. For fixed bridges and un-manned movable bridges, all navigation and aerial lighting shall be inspected for proper function monthly by the District Bridge Electricians or other personnel as designated by the Assistant District Administrator of Operations or District Bridge Engineer. All deficiencies shall be reported immediately to the District Bridge Engineer or other personnel as designated by the Assistant District Administrator of Operations for appropriate action. The inspection and observation shall be documented on a Work Order.
 - C. For manned movable bridges, all navigation and aerial lighting shall be inspected for proper function during each shift by the bridge tenders to ensure proper function. All deficiencies shall be reported immediately to the District Bridge Foreman or other personnel as designated by the Assistant District Administrator of Operations or District Bridge Engineer for appropriate action. The inspection and observation shall be documented in the Navigational Log book.

For all bridges, all routine maintenance will be the responsibility of the district and shall be done in such a manner as to maintain federal regulations.

The Coast Guard regulations can be found in the following link:

<http://www.uscg.mil/hq/cg5/cg551/Lighting.pdf>

The Federal Aviation Agency regulations can be found in the following link:

<http://wireless.fcc.gov/antenna/documentation/faadocs/7460-1K.pdf>

- 4. RESPONSIBILITY:** The District shall be responsible for inventory, inspection, maintenance, and operation of the navigational and aerial lights on each bridge. An initial inventory should be conducted for the use in the periodic inspection of the lighting.

5. **OTHER ISSUANCES AFFECTED:** All directives, memoranda, or instructions issued heretofore in conflict with this directive are hereby rescinded.
6. **EFFECTIVE DATE:** This directive shall become effective immediately

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