

Designer Note: Insert into all contracts requiring waterway obstruction warning luminaires. This would be structures over navigable waters.

WATERWAY OBSTRUCTION WARNING LUMINAIRE (BDE)

Effective: August 1, 2014

Revise the second paragraph of Article 1067.07(a) of the Standard Specifications to read:

“The luminaire shall have a bronze housing and shall meet the requirements set forth by the United States Coast Guard in Title 33, Part 118 of the Code of Federal Regulations. Nuts, bolts, thumb screws, hardware, thread rods, and mounting bases which are exterior, shall be stainless steel (300 series) or bronze. Hardware on the interior of the lamp cavity shall be stainless steel or bronze.”

Add the following paragraphs after the third paragraph of Article 1067.01(a) of the Standard Specifications:

“The pivot type mounting assembly shall be bronze and shall be mounted on an external vibration isolator. The pivot assembly shall include a greased bearing with a grease fitting installed near the counterweight such that the bearing can be lubricated from the bridge deck. An aluminum or stainless steel extension tube shall run from the grease fitting to the bearing. A locking rod assembly made of aluminum or stainless steel shall secure the luminaire in operating position. Stainless steel pipes shall be used to attach the pivot assembly to both the luminaire housing and the counterweights. A stainless steel locknut shall be used at all threaded connections to the pipes.

Stainless steel hook, ring, and connecting plates shall be attached to the bridge railing with stainless steel hardware or shall be anchored in the parapet. The connecting plate shall include a vandal-resistant rod locking mechanism. The service chain shall be stainless steel.”

Add the following to the end of the first paragraph of Article 1067.07(a)(3) of the Standard Specifications:

“Surge protection for the luminaire shall be integral to the fixture housing.”