

**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SPECIFICATIONS**

**SAFETY PRODUCT
GATE ARMS, LIGHT ARRAYS, & PINS
FOR
BRIDGE WARNING GATES**

DESCRIPTION:

This specification sets forth the requirements for bridge warning gate arms, light arrays and shear pins. DOTD maintenance crews will be use the materials to repair or replace damaged gate arms.

REQUIREMENTS

Due to the inconsistent nature of the damage that can occur at the various repair sites, the arms are specified as multiple pieces in order for DOTD maintenance crews to replace only what is necessary. Parts include bases and extensions of various lengths, light arrays, and shear pins as specified below.

BASE: 4" x 4"

Product ID 54160 - 7' Base
Product ID 54161 - 10' Base
Product ID 54162 - 12' Base
Product ID 54163 - 14' Base
Product ID 54164 - 16' Base
Product ID 54165 - 18' Base

EXTENSION: 3" x 3"

Product ID 54166 - 6' Extension
Product ID 54167 - 8' Extension
Product ID 54168 - 10' Extension
Product ID 54169 - 12' Extension

The arm base shall be made of aluminum, measure 4" x 4" and designed to fit a shear pin base. The arm extension shall be made of fiberglass and measure 3" x 3". Extension, when used for a repair, will be inserted 2' into the base section.

Both the base and extension shall be fully covered, on both sides, with vertical stripes of high-intensity retro-reflective sheeting. Stripes shall alternate from red to white in 16" intervals. Additionally, the base and extension must be supplied with installation materials, as applicable, including but not limited to a bumper rod, guy cables, stainless steel truss cables, aluminum brackets and stainless steel hardware.

LIGHT ARRAY

Product ID 54172 - Red, Low Profile, 12V LED Light

The lights shall be 12V, 2-way, red, 4" low profile, with LED lights. Must be supplied with electrical cords connect the light(s) to the gate.

SHEAR PINS/BOLTS

Product ID 54170 - Shear Pin, Aluminum

Product ID 54171 - Shear Pin, Brass

Pins shall measure 1/2-13 x 2 1/2", include a stainless steel nut, and be supplied in either aluminum or brass material as indicated by the Product ID.

PACKAGING:

Each product ID shall be individually packaged/wrapped in a manner that will not allow the product to be damaged while in storage. Mixing of product IDs per pallet shall not be allowed.