

**COMMENTS RECEIVED FROM INDUSTRY REVIEW**

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**Jennifer Taylor**

File: 5100000 - Navigation Lights for Fixed Bridges  
Username: Jennifer Taylor  
UserEmail: jennifer.taylor@dot.state.fl.us  
UserTel: SC 373-3471  
Date: Tuesday, October 18, 2005  
Time: 01:44:10 PM

Comments:

Should there be a warranty similar to traffic signals.

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**Will Watts**

District Two Bridge Maintenance offers the following comments:

**General Comments:**

- 1. This specifications is for fixed bridges. What will govern lift, single and double draw, and swing bridges?
- 2. Does not address aviation lighting.
- 3. Needs to address light contactor and photo cell at the power source/utility pole, specifically a four pole system for maintenance redundancy.

**Specific Comments:**

**510-1** "A guide to Bridge Lighting", check for proper title of document, is it 'Bridge lighting and other signals'?

**510-2** "Use experienced personnel", further define as licensed electrician.

**510-3** Due to the varying products that get installed in these systems, maintenance would like the contractor to provide a list of all the component manufactures and ensure the state can purchase products from them, i.e. e-procurement registered.

**510-4.1** First paragraph - "absorbing" to "absorbing and recovering from multiple strikes."

Third Paragraph - Pier/Fender lights do not need to swivel, just the Center and Channel and Channel Margin lights. Further specify chain shall be 1/4". This will be big enough to safely retrieve the fixture, gripping, and small enough not to lean the fixture. Where bronze fixtures are utilized at lengths of greater then 5' from the swivel. a 60% counterweight shall be installed.

**510-4.2** We replace the light fixture described, 50 watt, HPS, with a standard 75 watt flood light fixture. Due to vandalism occurrence and the price/availability of the fixtures.

**510-6** No plastic or power activated anchors shall be used.

**510-7.5** 5th Paragraph - "of three 90 degree bends" to "a total of 270 degrees of turns". This will make sure offsets and 45's are included in calculation.

6th Paragraph - "Allow joint to cure a minimal of 20 minutes." add "before pulling wire."

**510-8.1** Seeking clarification and/reason for last sentence of paragraph 3, audio and digital signals.

If you have question are need clarification on the comments above, please advise.

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District Two - Structures and Facilities  
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**Bill Richards**

File: 5100000 - Navigation Lights for Fixed Bridges  
Username: Bill Richards  
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Date: Monday, September 26, 2005  
Time: 04:05:54 PM

Comments:

In the 5th paragraph, of 510-7.5, the third sentence you use a double negative. Suggest you delete the fourth word "no" to fix this situation.

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**Paul Smith**

COMMENTS: Duane- I question calling out the length of the bolts supporting the hanging lights from the bridge.  
Some of the bridge lights, Clearwater Memorial are 13'-0 long and need more depth to get behind the first mat of rebar. I agree with the 1/2" minimum diameter.  
Another item that needs to be addressed is the securing of the chain to rotate the light up to work on the bulb. If it is locked at a height that a pedestrian can get a hold of it they will. We have not yet secured ours for this reason.

Paul Smith,  
Parsons Brinckerhoff Construction Services.

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