



**SARAH MILDRED LONG Bridge Replacement**  
*The Regional River Crossing*

**APRIL 26, 2013 DESIGN WORKSHOP  
SARAH MILDRED LONG BRIDGE REPLACEMENT  
THE REGIONAL RIVER CROSSING**

**SUMMARY OF BRIDGE  
AESTHETIC LIGHTING SELECTION RESULTS  
MAY 7, 2013**

**Introduction**

Aesthetic lighting provides an opportunity to create a bridge with a nighttime signature. During the Design Workshop on April 26, 2013, the participants were shown examples of aesthetic lighting on the superstructure, towers and substructure of bridges. Roadway and aesthetic lighting on the new bridge will use today's technology of Light Emitting Diodes (LED). LED lights are energy efficient and require minimal maintenance. The participants were also shown examples of the use of subtle color to light the piers, towers or superstructure.

After the presentation, there was a break for one on one discussion. The participants were encouraged to view handouts and a large banner, shown in Figure 1. Following the break, there was time for an open discussion. The dark sky requirements were discussed.

**Summary of Preferences Selected**

Scoring was done on a scale of 1 to 10, with 10 being the highest possible score. The participants were given voting forms with extra space to provide their written comments. The results of the preferences were: Pier Lighting with an average score of 7.4, Tower Lighting with an average score of 8.2, Superstructure Lighting with an average score of 6.2 (this was the least desired of the lighting locations options), and subtle color in the lighting of Piers, Towers or Superstructure with an average score of 7.7. The results of the voting preferences are shown in Figure 2.



# SARAH MILDRED LONG Bridge Replacement

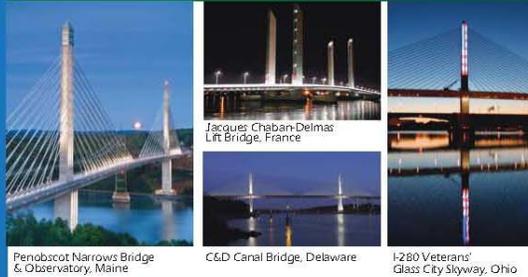
## The Regional River Crossing

Figure 1. Bridge Aesthetic Lighting Banner

## BRIDGE AESTHETIC LIGHTING

These bridge examples show how lighting has been used in various places on the bridge to highlight certain features at night.

### Tower Lighting



### Pier Lighting



### Superstructure Lighting



### Colored Lighting



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Figure 2. Bridge Aesthetic Lighting Preference Results

