



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 STYLE
SHAPES, SHADOWS, TEXTURES AND COLOR
SELECTION RESULTS
MAY 7, 2013**

Introduction

The theme selected by the community will be the inspiration for creating many bridge features using bridge archetypal design principles. Archetypal design principles that will be developed into the design of the new bridge include: shapes, shadows, textures, color, new vistas, native materials and lighting. The purpose of this topic at the community workshop was to get indications from the participants on preferences for various styles. With these in mind, the design team will develop ideas to bring back to the next community workshop.

During the Design Workshop on April 26, 2013, the community was shown other bridges as examples of different styles so they could provide direction to the Design Team on their preferred bridge style categories. These examples included bridges with rounded/organic and angular pier shapes; different ways of incorporating abstract and masonry texture into the piers; and applications of natural color of the materials or accent colors in eco-stains.

After the presentation, there was time for open discussion. A large banner, shown in Figure 1, was displayed in the room to assist the participants in giving their preferences.

Summary of Preferences Selected

The participants were given voting forms with extra space to provide their written comments. Scoring was done on a scale of 1 to 10, with 10 being the highest possible score. The results of the preferences were: Angular Shapes received an average score of 7.3 and Rounded/Organic Shapes received an average score of 6.9, Masonry Texture with an average score of 7.5, and Natural Color of Materials with an average score of 8.4. The results of the voting preferences are shown in Figure 2.



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Figure 1. Bridge Style Banner

Begins With A Theme

The "Theme" selected by the community will be the inspiration for creating many bridge features using bridge archetypal design principles. Various options of shapes, shadows, texture, color and native materials will be explored with the theme in mind. These options will be presented at another community Design Workshop for selection of the favorite design. All options will be within budget.

At today's Design Workshop community preferences are shared for basic styles in key categories as shown on this banner.

Your Bridge Will Be Designed Using Archetypal Principles

Use a Theme

Blend Shapes

Create Shadows

Select Appropriate Textures

Choose Pleasing Colors

Open New Vistas

Use Native Materials

Create Feature Lighting

COLOR

Proper use of local materials can create a bridge that blends into the natural landscape



Bedrock Colors - Looking Towards Whaleback Lighthouse



Odiorne Point State Park

SHAPES & SHADOWS

Examples of bridge pier shapes with rounded/organic styles and angular styles:

Rounded/Organic



Elliptical Pier with Glass Mosaic Tiles Broadway Bridge, Florida



Rounded Pier Selmon Expressway, Florida



Curved/Open pier US 280 Elevated Roadway, Alabama



Sculptural Slender Pier New I-35W Bridge, Minnesota

Angular



Tapered Pier with Local Stone Smart Road Bridge, Virginia



Angular Pier Victory Bridge, New Jersey



Angular Slender Pier 17th Street Bridge, Florida



Angular Pier Wabasha Freedom Bridge, Minnesota

TEXTURE

Examples of bridges incorporating textures in abstract styles and masonry styles:

Abstract



I-110 Bixby, Mississippi



Hanging Lake Viaduct, Colorado

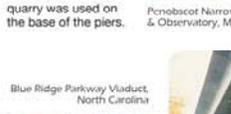


Penobscot Narrows Bridge & Observatory, Maine

Masonry



Sagadahoc Bridge, Maine



Granite from a local quarry was used on the base of the piers. Penobscot Narrows Bridge & Observatory, Maine



Blue Ridge Parkway Viaduct, North Carolina

Examples of bridges incorporating color:

Authentic bridge color comes from local sourcing of materials from nature



sand



water



cement



gravel

AirTrain JFK, New York



Accent in Eco-Stains



Allegheny River Bridge, Pennsylvania

Local stone earth colors create an accent on piers or railing



Allegheny River Bridge, Pennsylvania



South Norfolk Jordan Bridge, Virginia



Victory Bridge, New Jersey

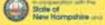


South Norfolk Jordan Bridge, Virginia



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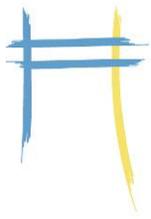



Figure 2. Bridge Style Preference Results

