

- 
- Bridge Color Studies
  - CMAQ Program Update
  - TransCAD<sup>®</sup> Migration

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# Bridge Color Studies

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- **What We Did**
  - » Two Clean & Paint Project Locations
  - » Paint Color Visualization
  - » Local Cooperation & Input
  - » Public Interaction & Participation
  - » Enhancement Lighting Visualization

# Bridge Color Studies

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- Where We Did It
  - » Eugene A. Carter Memorial Bridge  
Interstate 64, Charleston
  - » Market Street Bridge  
WV2, Follansbee

# Bridge Color Studies

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- Why We Did It
  - » SAFETEA-LU (2005 Authorization)
    - > Public Participation
    - > Emphasis on Visualization
  - » Context-Sensitive Solutions

# Bridge Color Studies

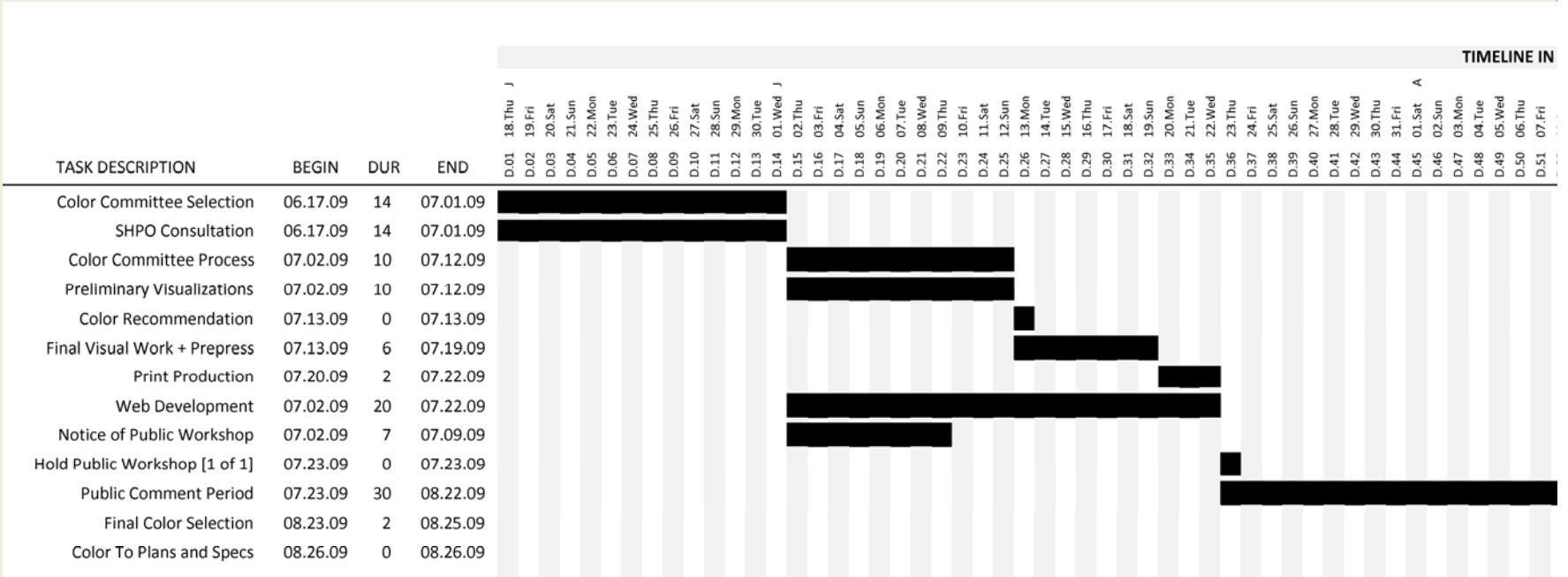
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## ■ Who Did It

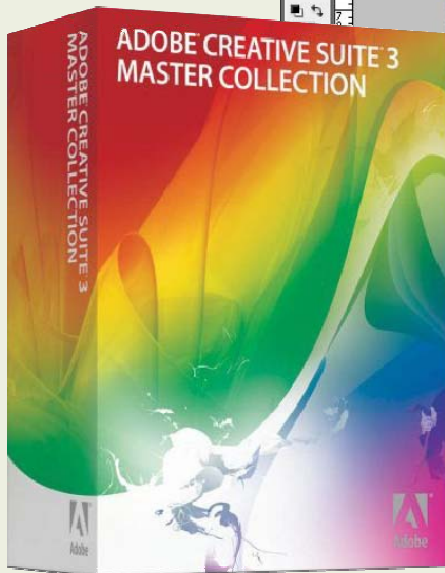
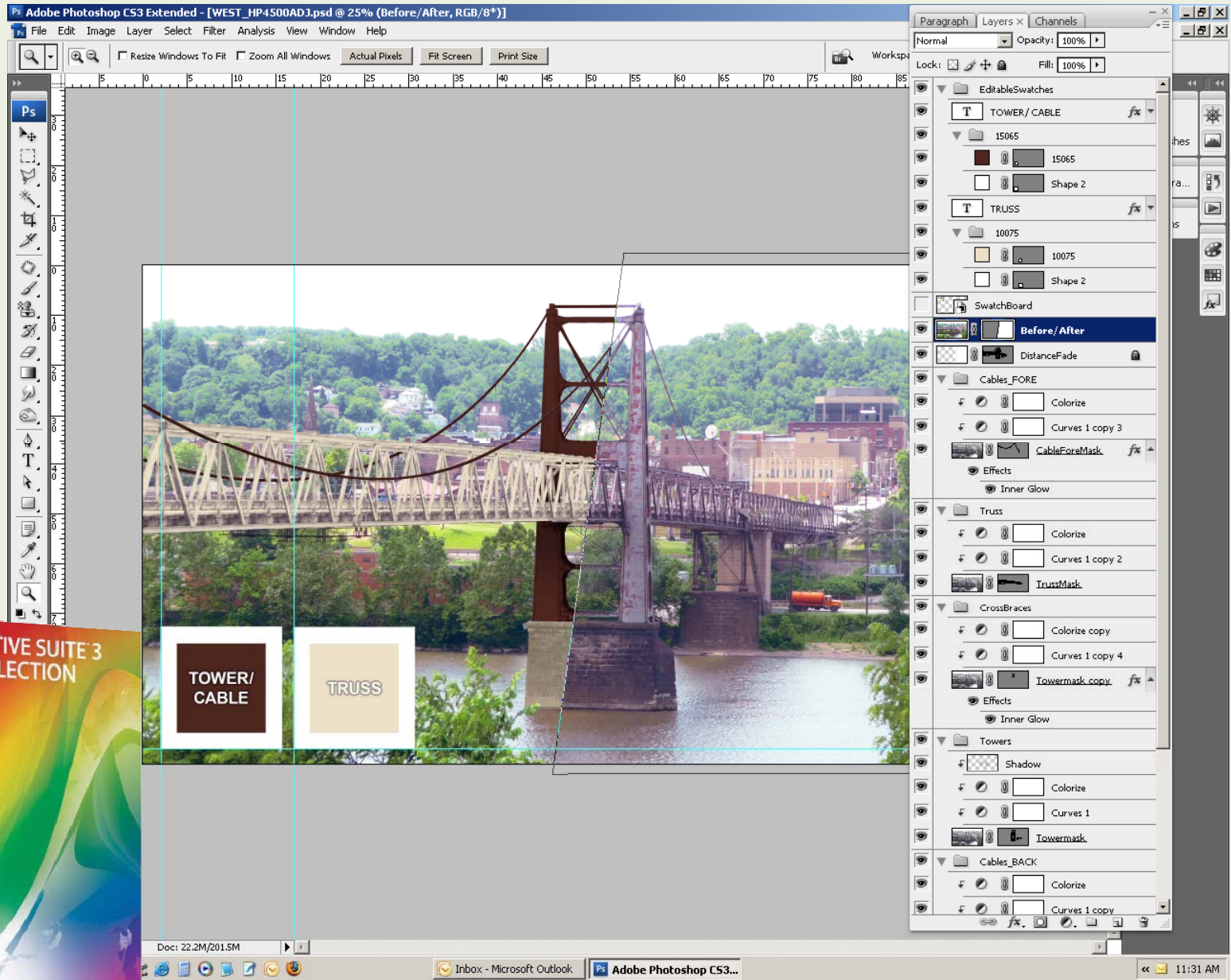
- » Program Planning & Administration Division
- » Maintenance Division
- » Environmental Services Section
- » Traffic Engineering Division
- » MCS&T Division
- » Information Services Division
- » Communications Division
- » Engineering Division
- » District One and Six
- » Federal Highway Administration
- » Local MPOs
- » Cities
- » Local Color Selection Committee Members

# Bridge Color Studies

- How We Did It



















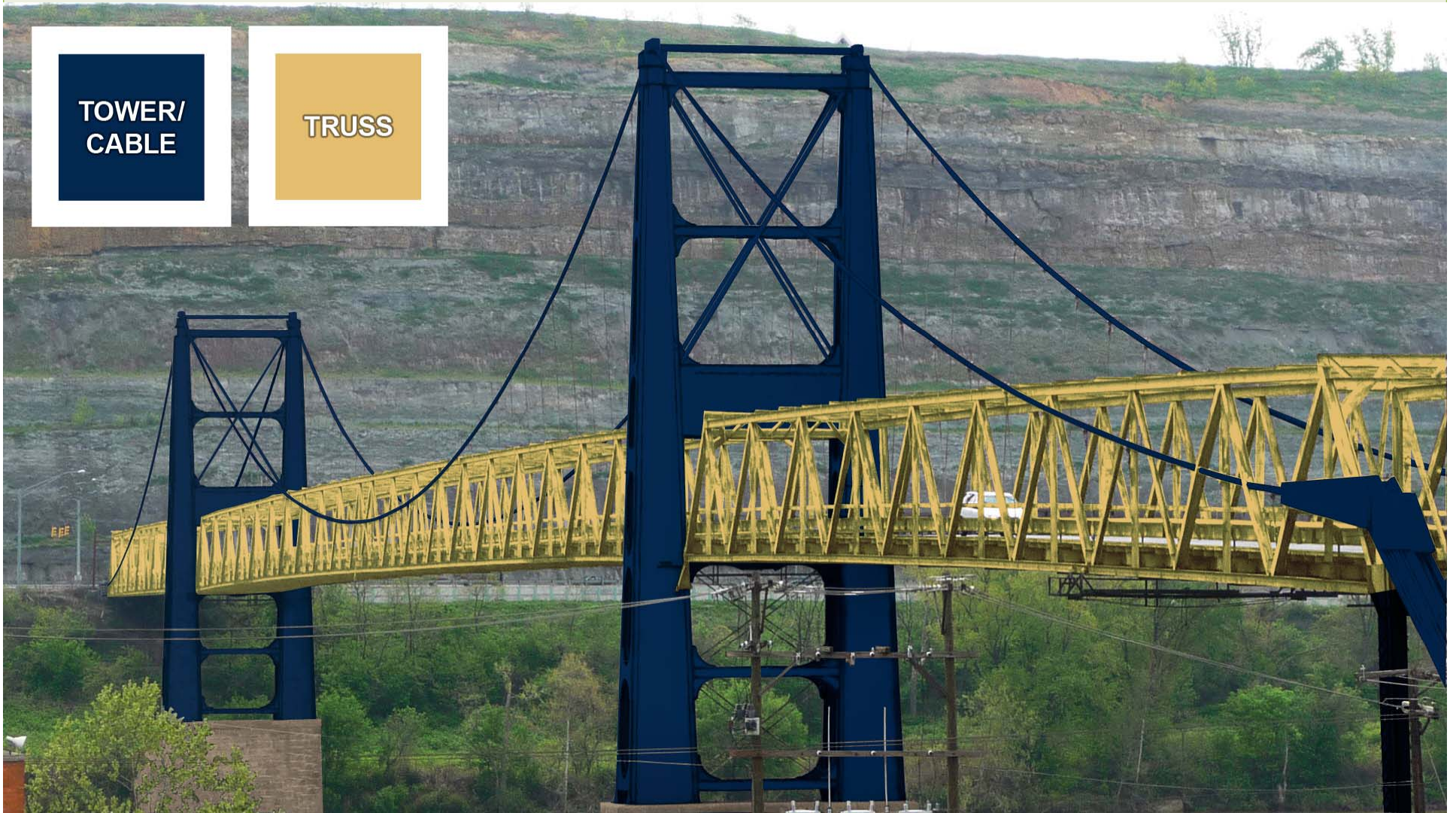






TOWER/  
CABLE

TRUSS











TOWER/  
CABLE

TRUSS





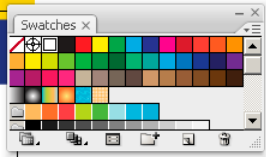
Market Street Bridge Visualizing Color With Photo Simulation

Existing View

A B C D E

Participate in the online poll at:  
<http://www.wvdot.com/MarketStreetBridge>

West Virginia Department of Transportation Division of Highways  
U.S. Department of Transportation Federal Highway Administration  
BIJ Brooke Hancock Jefferson Metropolitan Planning Commission  
City of Follensbee  
City of Weirton  
City of Steubenville



Layers X

- Content
- Photo
- Background

3 Layers

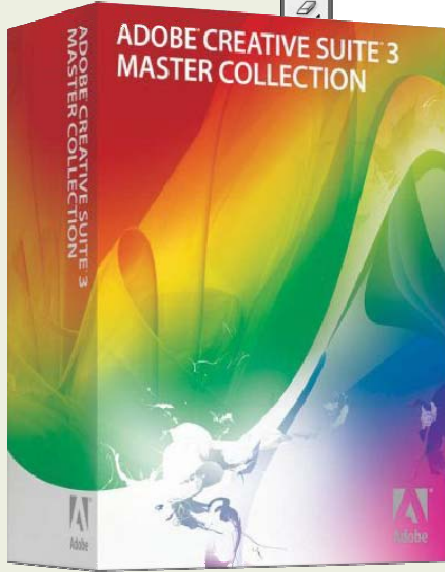
Appearance X

No Selection

Stroke: 0.0139 in

Fill:

Default Transparency



WV DOT - Eugene A. Carter Memorial Bridge Color Study - Mozilla Firefox

http://www.wvdot.com/EugeneACarterBridge

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## West Virginia Department of Transportation

WV DOT > Eugene A. Carter Memorial Bridge Color Study

### WVDOT Plans Major Maintenance Work on Eugene A. Carter Memorial Bridge

The Eugene A. Carter Memorial Bridge (locally known as the Fort Hill Bridge) is scheduled for significant maintenance work in the latter part of 2009 and continuing into the 2010 construction season. WVDOT anticipates minor renovation work during the Fall of 2009, including the application of a skid-resistant pavement surface overlay. Work will begin in the Spring of 2010 to clean and paint the bridge. WVDOT is currently studying color schemes for the painting of the bridge and is also considering the feasibility of lighting the bridge with aesthetic light fixtures to enhance the gateway into the Capitol City.

The Eugene A. Carter Memorial Bridge has more traffic than any other location in the State, carrying more than 100,000 cars and trucks every day over the Kanawha River through Charleston and has been a significant landmark of the city's surface transportation system since 1975. The bridge was built by Foster and Creighton Construction Company for the West Virginia Division of Highways as part of the Interstate 64 Highway System. The superstructure consists of six continuous deck girder spans, a simple through truss main span, four continuous deck girder spans and six continuous concrete box beam spans with an overall length of 2,246 feet. The structure has a clear roadway width of 52 feet 6 inches in each direction and is supported by reinforced concrete stub abutments and concrete piers. The deck is made of cast-in-place reinforced concrete and has been overlaid with a latex-modified concrete surface.

**Take The POLL**

**About Eugene A. Carter**

Eugene A. Carter was born in 1906 in Prudence, Fayette County. At the age of 17, he went to work for the New River Pocahontas Consolidated Coal Company, the same coal company that employed his father. In 1924, during the Depression, Eugene A. Carter came to Charleston and began working as a driver for a local dairy company. He helped to form the first local Teamsters Union. In 1936, he was elected President of Teamsters Local 175 and served in that capacity until 1974. In 1945, Eugene A. Carter was elected President of the West Virginia Federation of Labor and served in that capacity until the AFL State Federation and the CIO Industrial Union Council merged to form the West Virginia Labor Federation, AFL-CIO, in 1957. The leadership and inspiration of Eugene A. Carter helped the AFL and the Teamsters to experience dramatic growth during his tenure. He truly dedicated his life for the betterment of West Virginia workers and serves as an inspiration to labor leaders who have followed him.

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WV DOT - Eugene A. Carter Memorial Bridge Color Study - Mozilla Firefox

http://www.wvdot.com/EugeneACarterBridge

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## West Virginia Department of Transportation

WV DOT > Eugene A. Carter Memorial Bridge Color Study > Color Schemes


### Eugene A. Carter Memorial Bridge Color Study - Proposed Color Schemes

Click Thumbnails for large views. Moveover large image for "Before-After" effect. \*Requires JavaScript.

**Color Scheme A**






View This Scheme in Other Contexts




Make This Scheme Your Choice

**Color Scheme B**






View This Scheme in Other Contexts



Make This Scheme Your Choice

**Color Scheme C**

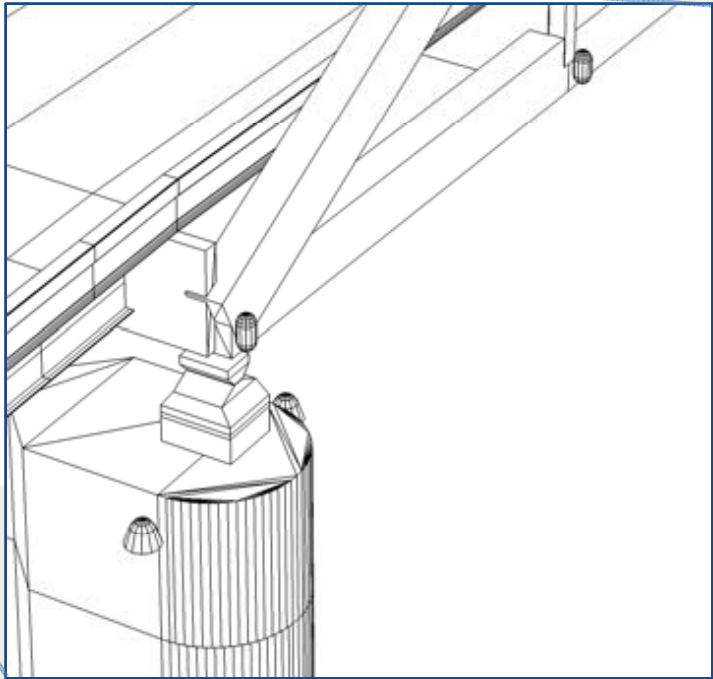
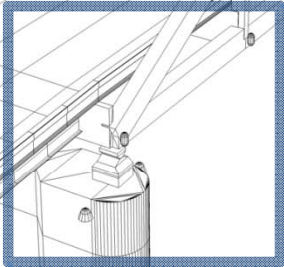
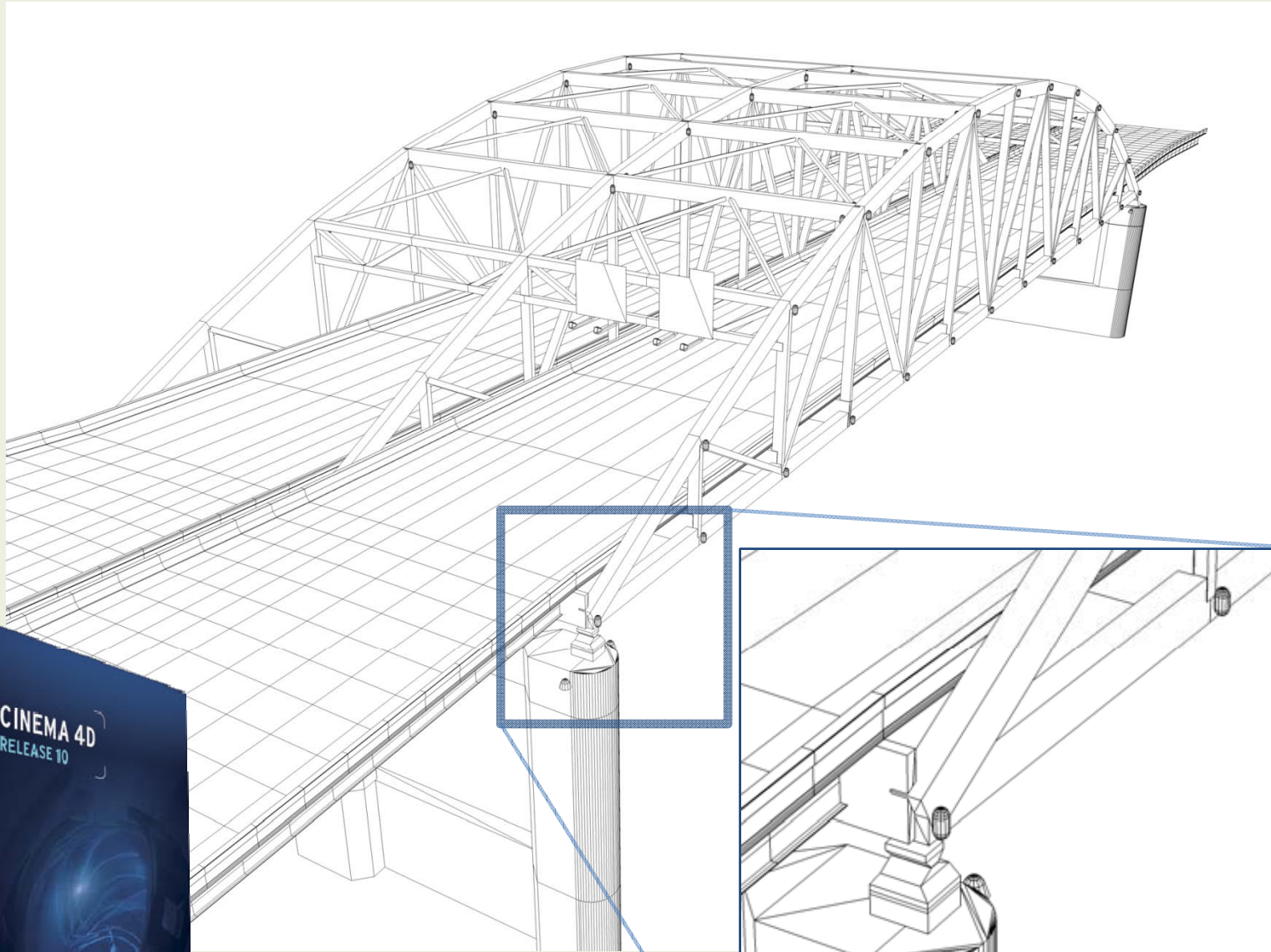
# Lighting Study

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- Eugene A. Carter Memorial Bridge
  - » Enhancement Lighting Visualization
  - » 3D Computer Model Development
  - » CGI Simulation & Photo Compositing
  - » Photorealistic Results









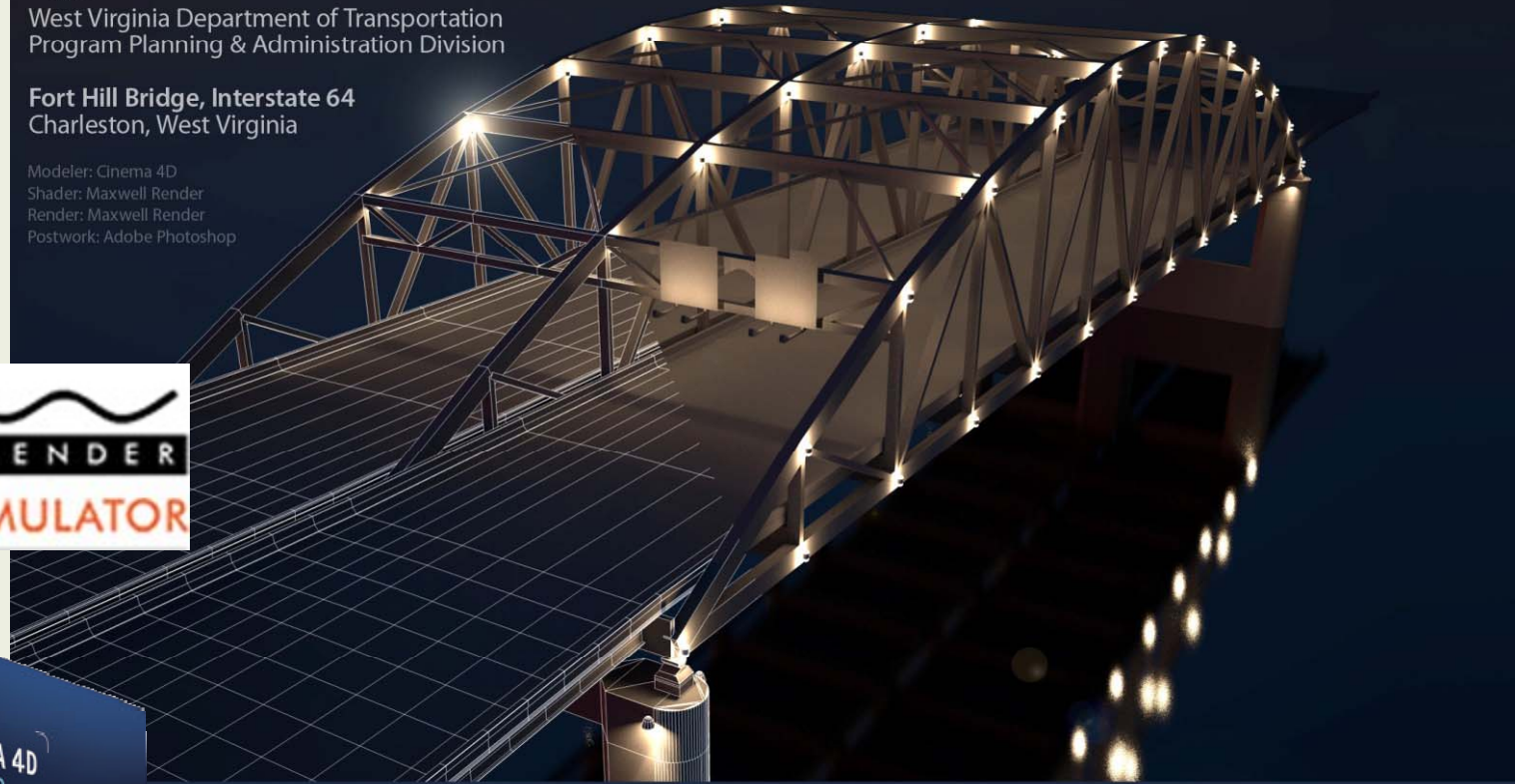


West Virginia Department of Transportation  
Program Planning & Administration Division

**Fort Hill Bridge, Interstate 64**  
Charleston, West Virginia

Modeler: Cinema 4D  
Shader: Maxwell Render  
Render: Maxwell Render  
Postwork: Adobe Photoshop

DRAFT - Do Not Release



View



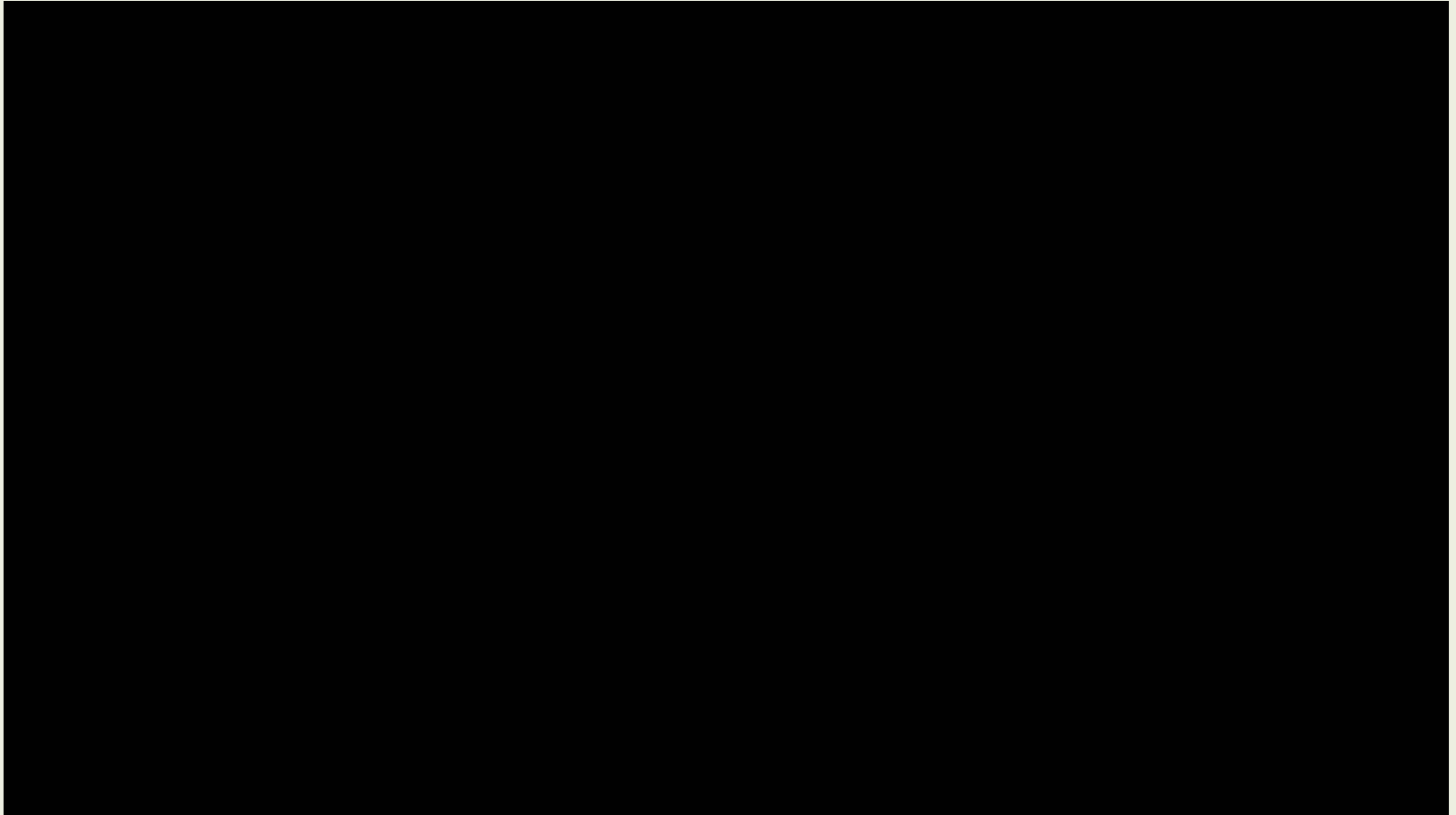
Magic Island View



Fort Hill View



Kanawha Boulevard View



- CMAQ Program Update

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- Current Standing

- » Current Unobligated Balance
- » Federal Rescission #1
- » Federal Rescission #2



# ■ CMAQ Program Update

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## ■ 2008 Applications

- » 11 Applications Received
  - > Total of \$5.5 Million CMAQ
- » 9 Applications Approved
  - > Total of \$4.9 Million CMAQ
- » Implementation Schedules
- » Implementation Agreements

# ■ CMAQ Program Update

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- Notable Approved Projects
  - » WV14 Projects (2), Parkersburg
  - » Charleston-Huntington Intercity Bus
  - » WV2 Widening, Moundsville
  - » Little Kanawha Connector Trail
  - » Cabell-Wayne "PATH" Trail
  - » Transit Improvements, Parkersburg

# ■ CMAQ Program Update

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## ■ Select Eligibility Types

- » Alternative Fuels
- » Congestion Relief & Traffic Flow Improvements
- » Transit Improvements
- » Bicycle and Pedestrian Facilities and Programs
- » Travel Demand Management
- » Public Education and Outreach Activities
- » Carpooling and Vanpooling
- » Freight/Intermodal
- » Diesel Engine Retrofits
- » Idle Reduction
- » Training
- » Experimental Pilot Projects

- CMAQ Program Update

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- Next Application Cycle

- » October 31 Application Deadline
- » Application Improvements
- » Process Improvements
- » Efficiency Gains Needed

# ■ TransCAD® Migration

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- » Group Pricing Available to MPOs
  - > Software Purchase
  - > Model Conversion
- » Training Sponsored by WVDOT
  - > Theory-based Training
  - > Software Training, October 20-23
- » Model Conversion
  - > RIC, HEP Complete and In Use
  - > WWW, GMMPO In Progress
  - > KYOVA Intends to Use For Next LRTP
- » Future Outlook

# Questions?

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- CMAQ Program Update
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