Welcome!

Cairo Bridge Project
Public Informational Workshop
State Project: S343-31-9.82
Federal Project: STP-0031(037)D

Monday, December 5, 2016 / 4:00 PM to 7:00 PM
Cairo Community Building
2 Town Square
Cairo, West Virginia

The West Virginia Division of Highways (WVDOH) is conducting this public informational workshop for the proposed Cairo Bridge replacement project to answer your questions and listen to your ideas or concerns. This meeting complies with the public involvement requirements of the National Environmental Policy Act (NEPA) and Section 106 of the National Historic Preservation Act.

Project maps and other information are on display for your review here today. They are also available online for your convenience. You are encouraged to examine these materials and discuss the project with members of the study team.

Project Purpose and Need

WVDOH proposes to construct a new bridge on WV 31 over the North Fork of Hughes River. The existing Cairo Bridge was built in 1925 and is a contributing structure to the Cairo Historic District. Approximately 750 vehicles use the bridge daily. Construction of a new bridge will improve safety and mobility for the traveling public.

Although the bridge has been rehabilitated twice, it is showing deterioration and is considered functionally obsolete. Its current condition requires posting of a 16-ton weight limit. The weight
limit is likely to be further reduced due to the bridge’s continued deterioration. The bridge roadway width 18.5 feet, less than what is commonly found on more modern bridges.

## Alternatives

A new bridge will have two 11-foot travel lanes and a 5-foot sidewalk. Several alternatives have been studied to replace or rehabilitate the existing bridge. All alternatives are on the existing alignment or immediately adjacent. At this point in the project development process, two alternatives have been identified as possible preferred alternatives they are Alternatives 1B and 2B. The alternatives are described below and are shown on the attached figures.

- **No-Build:** Under this alternative some minor repairs may be undertaken to preserve the existing bridge and maintain traffic. If this alternative were chosen, additional weight restrictions will likely be placed on the bridge and it will eventually need to be closed to traffic. The WVDOH believes this alternative is not feasible.

- **Alternative 1A, Single Span Replacement on Existing Alignment:** To maintain traffic during construction, a temporary bridge would be installed upstream of the existing bridge. Although the temporary will have a sidewalk, the travelway will only be one-lane wide. A temporary traffic signal will control alternating lanes of traffic during construction. Alternative 1A has an estimated construction cost of $3,362,000.

- **Alternative 1B, Three Span Replacement on Existing Alignment:** Similar to the first alternative, Alternative 1B uses a temporary bridge upstream of the existing bridge. The temporary bridge also has a sidewalk and a one-lane travelway. A temporary traffic signal controls alternating lanes of traffic during construction. Alternative 1B has an estimated construction cost of $3,112,000. The WVDOH believes this is one of the two preferred alternatives for the project.

- **Alternative 2A, Single Span Replacement Upstream:** A new bridge will be constructed upstream of the existing bridge. Traffic is maintained on the existing bridge during construction of the new bridge. Alternative 2A has an estimated construction cost of $2,839,000.

- **Alternative 2B, Three Span Replacement Upstream:** Similar to Alternative 2A, a new bridge upstream of the existing bridge. Traffic is maintained on the existing bridge during construction activities. Alternative 2B has an estimated construction cost of $2,805,000. The WVDOH believes this is the other preferred alternative for the project.
Alternative 3, Rehabilitate Existing Bridge: Due to the continued deterioration of the truss and the movement of the abutments that has been experienced rehabilitation is no longer feasible. Only a full reconstruction of the truss with new abutments and deck is feasible but is cost prohibitive. The WVDOH believes this alternative is not feasible.

Alternative 4, Downstream Replacement: A new bridge could be constructed downstream, allowing traffic to be maintained on the existing bridge during construction. A downstream location has more impacts than any of the other alternative that has been studied. No cost estimates have been developed.

### Potential Impacts

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<tbody>
<tr>
<td>Property Impacts</td>
<td>Least, but the same as 1B</td>
<td>Least, but the same as 1A</td>
<td>Most of all four alternatives</td>
<td>More than 1A &amp; 1B, but less than 2A</td>
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<tr>
<td>Businesses</td>
<td>3</td>
<td>3</td>
<td>3</td>
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<tr>
<td>History</td>
<td>Falls within Cairo Historic District</td>
<td>Falls within Cairo Historic District</td>
<td>Falls within Cairo Historic District</td>
<td>Falls within Cairo Historic District</td>
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<tr>
<td>River</td>
<td>Permanent: 2,960 SF Temporary: 1,490 SF</td>
<td>Permanent: 2,960 SF Temporary: 1,490 SF</td>
<td>Permanent: 2,750 SF Temporary: 0</td>
<td>Permanent: 2,750 SF Temporary: 0</td>
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<tr>
<td>Cost</td>
<td>$3,362,000</td>
<td>$3,112,000</td>
<td>$2,839,000</td>
<td>$2,805,000</td>
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### Regional Setting

![Project Location Map](image)
ALTERNATIVE 1A
SINGLE SPAN REPLACEMENT ON EXISTING ALIGNMENT
ALTERNATIVE 1B
3 SPAN REPLACEMENT ON EXISTING ALIGNMENT

Legend
- PROPOSED BRIDGE DESIGN
- PROPOSED RIGHT-OF-WAY
- PROPOSED DETOUR AND TEMPORARY CROSSING

NIGHT OWL WELL SERVICE
CAIRO UNITED METHODIST CHURCH
NORTH FORK HUGHES RIVER
106 MAIN ST
212 MAIN ST

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ALTERNATIVE 2A
SINGLE SPAN REPLACEMENT
ON UPSTREAM ALIGNMENT
ALTERNATIVE 2B
THREE SPAN REPLACEMENT ON UPSTREAM ALIGNMENT
Tentative Project Schedule

Public Scoping Meeting ..............................................December 5, 2016
Comments Due ..........................................................January 5, 2017
Environmental Document ..........................................July 2017
Informational Workshop/Public Hearing .....................August 2017
Comments Due ..........................................................September 2017
Final Environmental Document .................................November 2017
Right-of-Way Acquisition ..............................................October 2018
Construction .................................................................October 2020

Comments following tonight’s meeting are due on January 5, 2017.

There are three ways to comment.

Through our website:  http://go.wv.gov/dotcomment

By Email:  Sondra.L.Mullins@wv.gov

Or by regular mail by writing to:

Mr. RJ Scites, P.E.
Director, Engineering Division
West Virginia Department of Transportation
1334 Smith Street
Charleston, WV 25301

Thank you for attending our meeting! Your interest in the project is greatly appreciated.
DATE: Monday, December 5, 2016
LOCATION: Cairo Community Building
SUBJECT: INFORMATIONAL WORKSHOP PUBLIC MEETING
PROJECT: Cairo Bridge Replacement Project
         S343-31-9.82
         STP-0031(037)D
         Ritchie County

COMMENTS DUE BY Thursday, January 5, 2017

Please consider the following comments:

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(Please print the following information)

NAME:
ADDRESS:
ORGANIZATION (IF ANY):

How did you hear about the Informational Workshop Public Meeting?

Project Information and Comment Sheets
Can be found online at our WVDOH Website at http://go.wv.gov/dotcomment.
Under Engineering Projects, Open, and then click Cairo Bridge.