



**OPEN HOUSE PUBLIC MEETING**  
**MONDAY, DECEMBER 5, 2016**  
**4:00 PM TO 7:00 PM**  
**CAIRO COMMUNITY BUILDING**  
**CAIRO, WV**



**CAIRO BRIDGE REPLACEMENT PROJECT PUBLIC MEETING**

State Project S343-31-9.82, Federal Project STP-0031(037)D  
Ritchie County, WV

Join us on Monday, December 5, 2016, at the Cairo Community Building in Cairo, WV, for an open house to learn more about the Cairo Bridge Replacement Project. Representatives from the West Virginia Division of Highways (WVDOH) and Federal Highway Administration will be available between 4:00 pm and 7:00 pm to discuss the proposed project and answer your questions. No formal presentation is planned, however, project maps and other materials will be available for you to review.

*Upon request, WVDOH will provide reasonable accommodations to afford an individual with a disability an equal opportunity to participate.  
Please contact us at (304) 558-3931, or (800)*

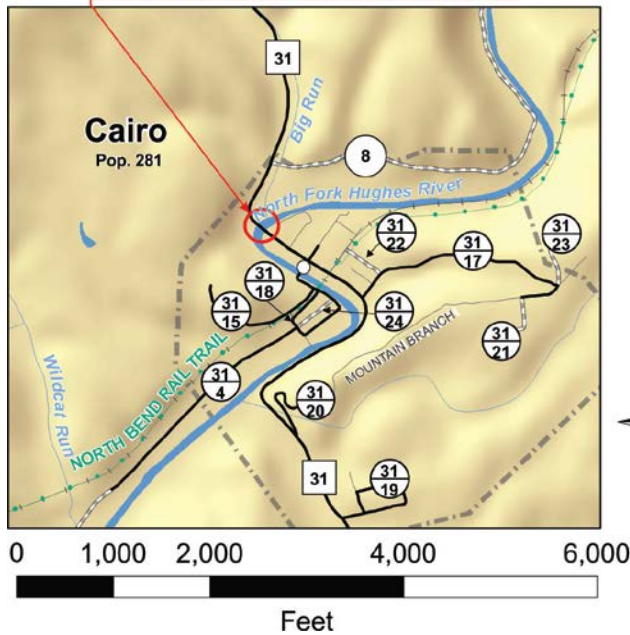
**Project Summary**

This project 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. Although the bridge has been rehabilitated twice, it is showing deterioration and is considered functionally obsolete. The condition of the bridge also requires a posting of a 16-ton weight limit. The weight limit is likely to be further reduced due to the bridge's continued deterioration.

The current bridge carries two lanes of traffic and pedestrians. The roadway width over the bridge is 18.5 feet, considerably less than what is commonly found on more modern bridges. A new bridge will have two 11-foot travel lanes and a 5-foot sidewalk. Six alternatives have been studied to replace or rehabilitate the existing bridge. All alternatives are on the existing alignment or immediately adjacent. The cost of the proposed project is currently between \$2.8 million and \$3.5 million.

## PROJECT LOCATION



## 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

## To Comment on the Project

Comments can be submitted at the meeting or sent to:

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

Comments can also be submitted via our website at:

<http://go.wv.gov/dotcomment>

Click on the blue tab: Public Comments, Engineering Projects,  
then click on the tab: Cairo Bridge Replacement Project

***Comments are due on January 5, 2017***



# 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.

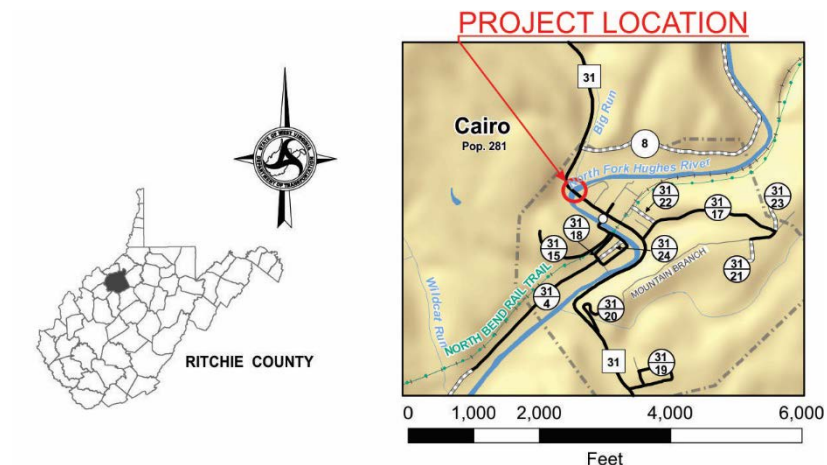
- **No-Build:** Under this alternative some minor repairs may be undertaken to preserve the existing bridge and maintain traffic. If this alternative were chosen, additional weight restrictions will likely be placed on the bridge and it will eventually need to be closed to traffic. The WVDOH believes 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

Preliminary Analysis Factor	Alternative 1A, Single Span Replacement on Existing Alignment	Alternative 1B, Three Span Replacement on Existing Alignment	Alternative 2A, Single Span Replacement Upstream	Alternative 2B, Three Span Replacement Upstream
Property Impacts	Least, but the same as 1B	Least, but the same as 1A	Most of all four alternatives	More than 1A & 1B, but less than 2A
Businesses	3	3	3	3
History	Falls within Cairo Historic District	Falls within Cairo Historic District	Falls within Cairo Historic District	Falls within Cairo Historic District
River	Permanent: 2,960 SF Temporary: 1,490 SF	Permanent: 2,960 SF Temporary: 1,490 SF	Permanent: 2,750 SF Temporary: 0	Permanent: 2,750 SF Temporary: 0
Cost	\$3,362,000	\$3,112,000	\$2,839,000	\$2,805,000

### Regional Setting



### Legend

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

NIGHT OWL  
WELL  
SERVICE

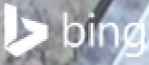
NORTH FORK HUGHES RIVER

CAIRO  
UNITED METHODIST  
CHURCH

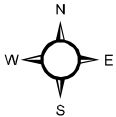
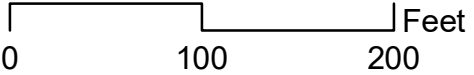
196  
MAIN ST

212  
MAIN ST

Lewter St



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ALTERNATIVE 1A  
SINGLE SPAN REPLACEMENT  
ON EXISTING ALIGNMENT

### Legend

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

NIGHT OWL WELL SERVICE

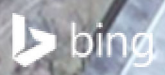
NORTH FORK HUGHES RIVER

CAIRO UNITED METHODIST CHURCH

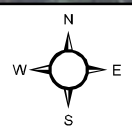
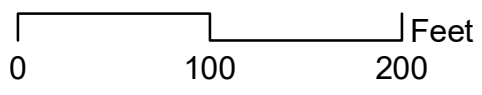
196 MAIN ST

212 MAIN ST

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ALTERNATIVE 1B  
3 SPAN REPLACEMENT  
ON EXISTING ALIGNMENT

**Legend**

- PROPOSED BRIDGE DESIGN
- PROPOSED RIGHT-OF-WAY

NIGHT OWL  
WELL  
SERVICE

WW-97

NORTH FORK HUGHES RIVER

31

WW-97

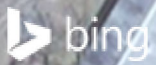
CAIRO  
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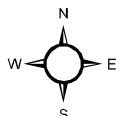
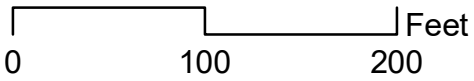
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WW-97



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**ALTERNATIVE 2A  
SINGLE SPAN REPLACEMENT  
ON UPSTREAM ALIGNMENT**



**Legend**

- PROPOSED BRIDGE DESIGN
- PROPOSED RIGHT-OF-WAY

NIGHT OWL  
WELL  
SERVICE

31

WW-97

NORTH FORK HUGHES RIVER

31

31

WW-97

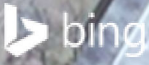
CAIRO  
UNITED METHODIST  
CHURCH

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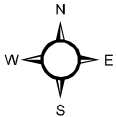
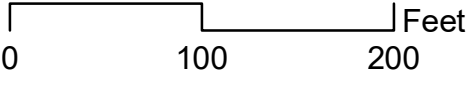
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MAIN ST

WW-97



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**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](mailto: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:

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

**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.