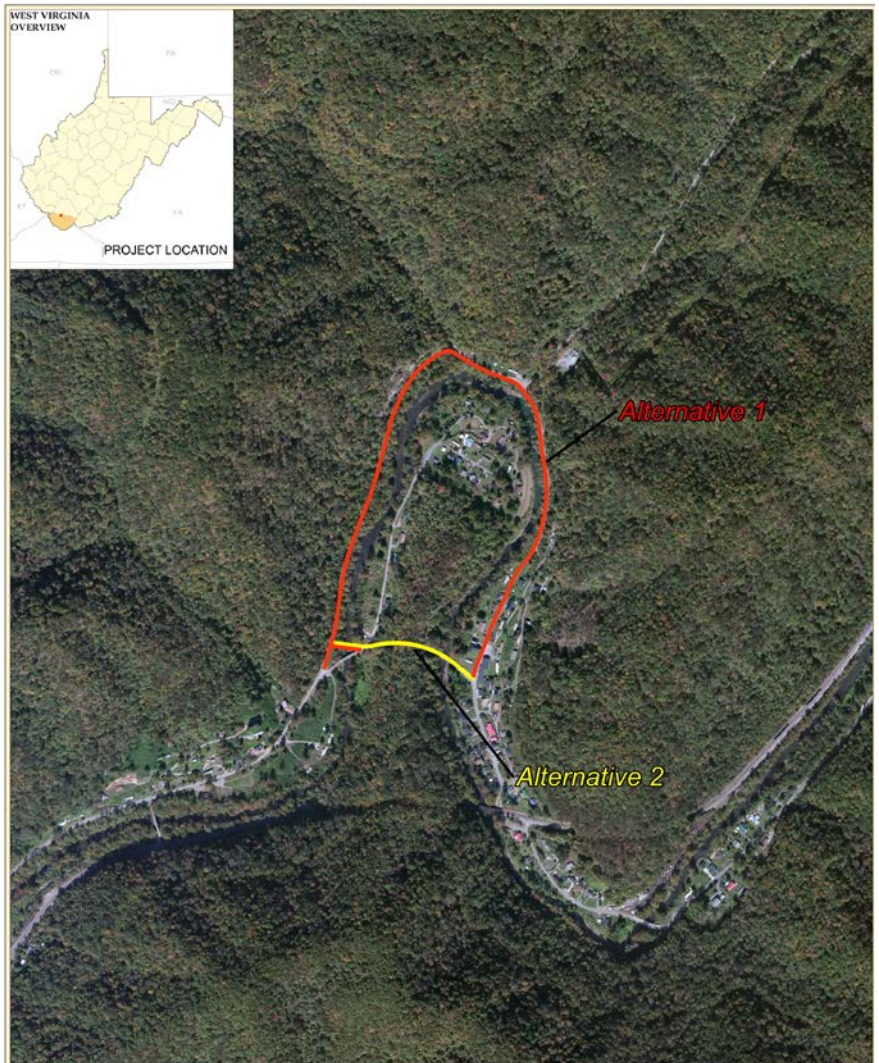


Welcome

November 13, 2018
4:00 PM to 7:00 PM

INFORMATIONAL WORKSHOP PUBLIC MEETING
Twin Branch Truss No. 2
WV Department of Transportation Division of
Highways State Project No. S224-7-5.32
Federal Project No. STP-0007(294)D

Twin Branch Pentecostal Church
McDowell County, WV



Twin Branch Truss No. 2
Project Location Map
State Project No. S224-7-5.32

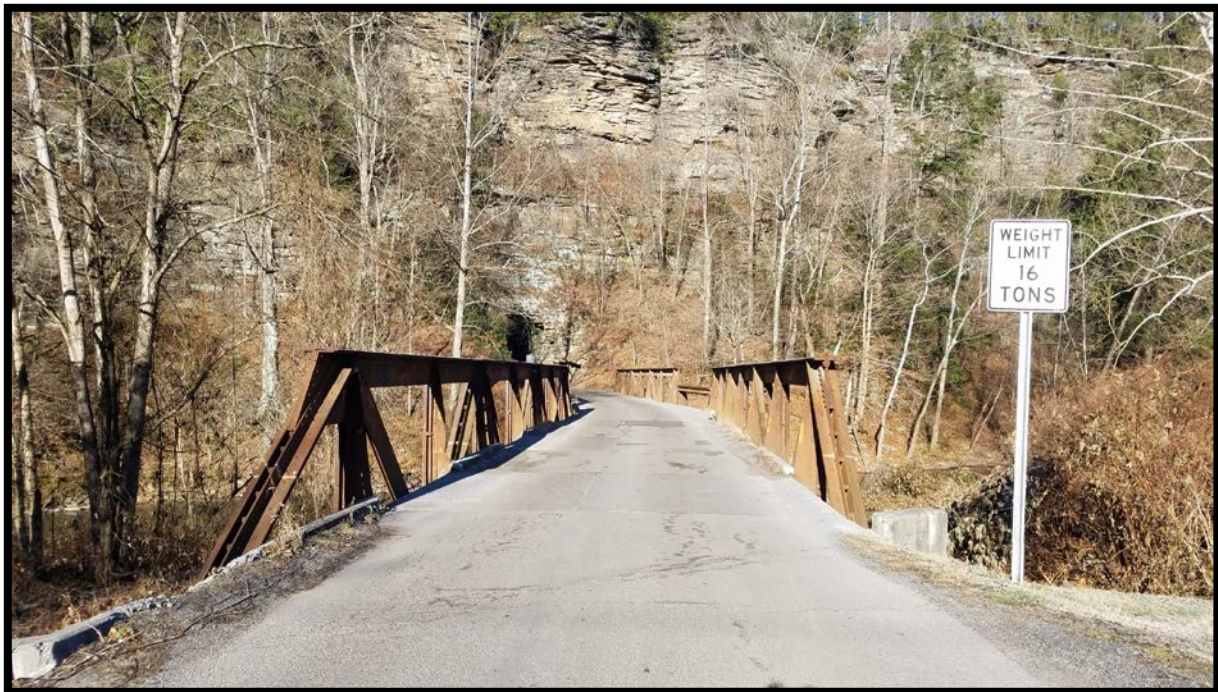


PROJECT DESCRIPTION

The WVDOH is proposing a re-alignment of McDowell County Route (CR) 7 through Twin Branch in northern McDowell County. The WVDOH has determined that Twin Branch Truss No. 2 (24-7-5.32) (east), Twin Branch Truss No. 1 (24-7-5.20) (west), and the Twin Branch Tunnel (24-7-5.27) are all in need of replacement or rehabilitation. Twin Branch Truss No. 2 and Twin Branch Truss No. 1 both cross the Tug Fork. Twin Branch Truss No. 2 is located on a curved section of roadway, has an overall length of 210 feet 2 inches (from back to back of backwalls, along the centerline of the roadways), and was built by Edge Moor Bridge Works of Edgemoor, Delaware in 1890. Twin Branch Truss No. 1 is also located on a curved section of roadway, has an overall length of 209 feet 8 inches (from back to back of backwalls, along the centerline of the roadway), and was built by Edge Moor Bridge Works of Edgemoor, Delaware in 1890. Twin Branch Truss No. 1 and Twin Branch Truss No. 2 are located at opposite ends of the Twin Branch Tunnel. The tunnel, was constructed through a sandstone mountain in approximately 1890, using primitive methods. The interior portion of the tunnel has a rough texture with no liner installed. The minimum horizontal clearance in the tunnel is 17 feet and the minimum vertical clearance is 18 feet 6 inches. The total length of the tunnel is 190 feet and is used by one traffic lane. It is on a curved roadway with limited sight distance and has no lighting.

PURPOSE AND NEED

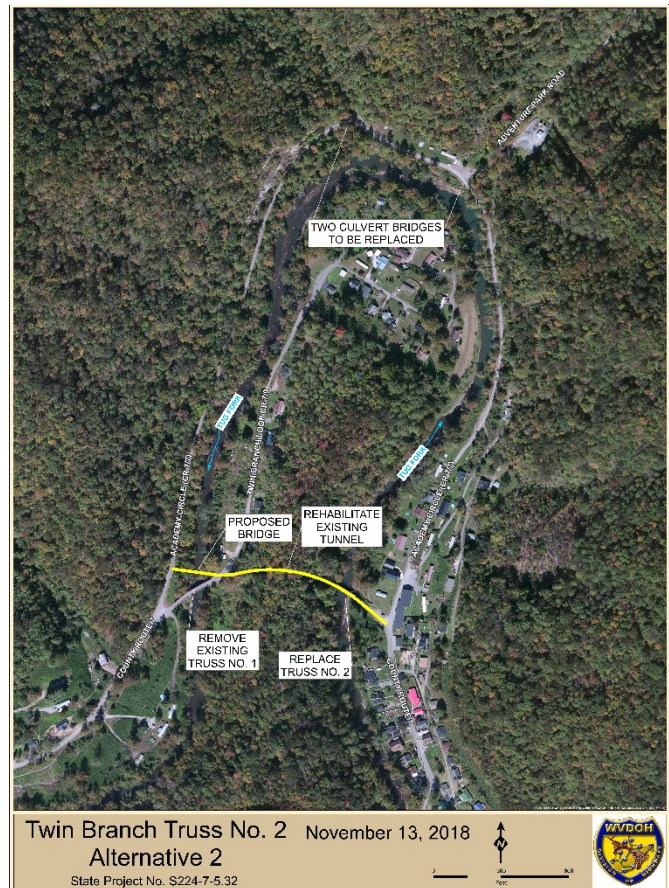
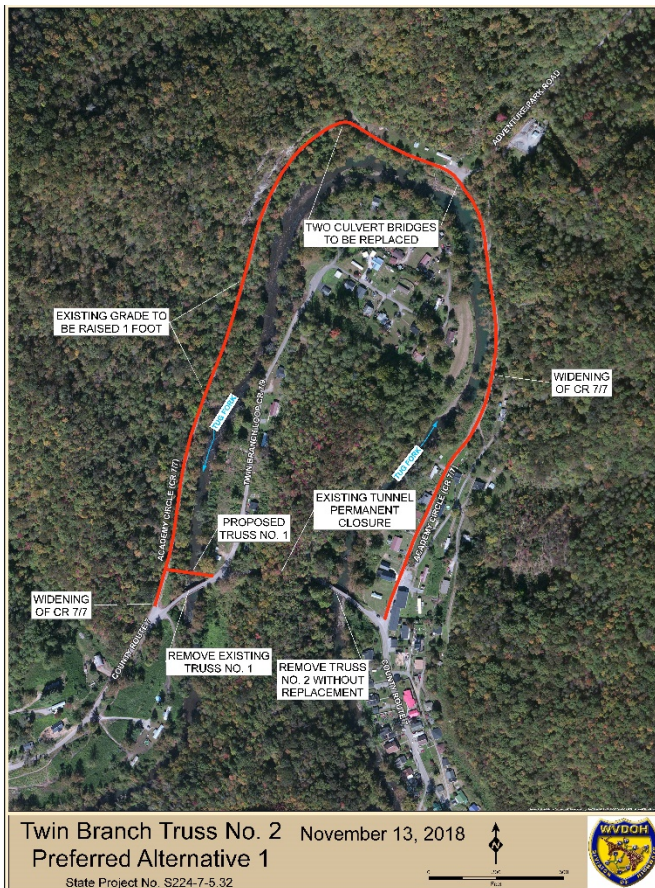
The WVDOH has determined that Twin Branch Truss No. 2, Twin Branch Truss No. 1, and the Twin Branch Tunnel are all in need of replacement or rehabilitation. Both bridges have an existing truss design that has reached the end of its useful service life, have been rated as structurally deficient, and have superstructure that have been rated as serious. In addition, the Twin Branch Tunnel is in poor condition and is a safety concern due to isolated fragments falling from the ceiling and walls. The purpose of considering these two bridges and the tunnel is to eliminate or improve the conditions that have created the need for their replacement, rehabilitation, or removal.



ALTERNATIVES

Four preliminary alternatives were examined for this project and Alternative 1 is considered as the Preferred Alternative.

- Alternative 1 (Preferred Alternative):** Alternative 1 recommends the removal of Twin Branch Truss No. 2 without replacement, the permanent closure of the existing tunnel, the replacement of Twin Branch Truss No. 1 with a proposed bridge upstream of its existing location, and upgrades along the existing CR 7/7 bypass route to become the permanent detour and new route for CR 7. The proposed bridge upstream of Twin Branch Truss No. 1 is straight and not skewed. Total Estimated Cost of Construction: \$5,498,000.



- Alternative 2:** Alternative 2 consists of the replacement of Twin Branch Truss No. 2 at its existing location, rehabilitation of the existing tunnel through the installation of a steel plate liner, and the replacement of Twin Branch Truss No. 1 with a proposed bridge upstream of its existing location. The new alignment at Truss No. 1 is straight and not skewed; however, this creates a T-intersection of the new alignment of CR 7. Total Estimated Cost of Construction: \$7,421,000.
- Alternative 3:** Alternative 3 consists of the rehabilitation of Truss No. 2 at its existing location, the rehabilitation of the existing tunnel with steel plate liner, and the rehabilitation of Truss No. 1 at its existing location, while using existing routes to maintain traffic. Alternative 3 utilizes the existing bypass route along CR 7/7 during rehabilitation of the bridges and tunnel. Total Estimated Cost of Construction: \$12,051,000.
- No Build Option:** This option consists of doing nothing to improve the existing structures or tunnel. Due to the deteriorating conditions of the existing structures, this option will eventually result in the permanent closure of the bridges and tunnel to traffic.

Build Alternative Summary

Description		Build Alternative		
		1 (Preferred)	2	3
Roadway (ft)	CR 7	40	400	170
	CR 7/7	5,035	No change	No change
Bridge	Truss No.1	Replace, new location	Replace, new location	Rehabilitation
	Truss No.2	Close	Replace, same location	Rehabilitation
Tunnel		Close	Rehabilitation	Rehabilitation
Maintenance of Traffic		Existing Routes	Existing Routes	Existing Routes
Detour		Permanent CR 7/7	Temporary CR 7/7	Temporary CR 7/7
Estimated No./ Acreage of Parcels Impacted		5/1.2	2/0.3	None
Utilities		13 utility poles and corresponding lines	2 utility poles and corresponding lines	2 utility poles and corresponding lines
Right-of-Way Required		Yes	Yes	None
Design Concerns		Rock Outcrop along CR 7/7	Reduces clearance in tunnel, T-intersection at Truss No.1	Reduces clearance in tunnel
Total Costs		\$5,498,000	\$7,421,000	\$12,051,000

ESTIMATED PROJECT SCHEDULE

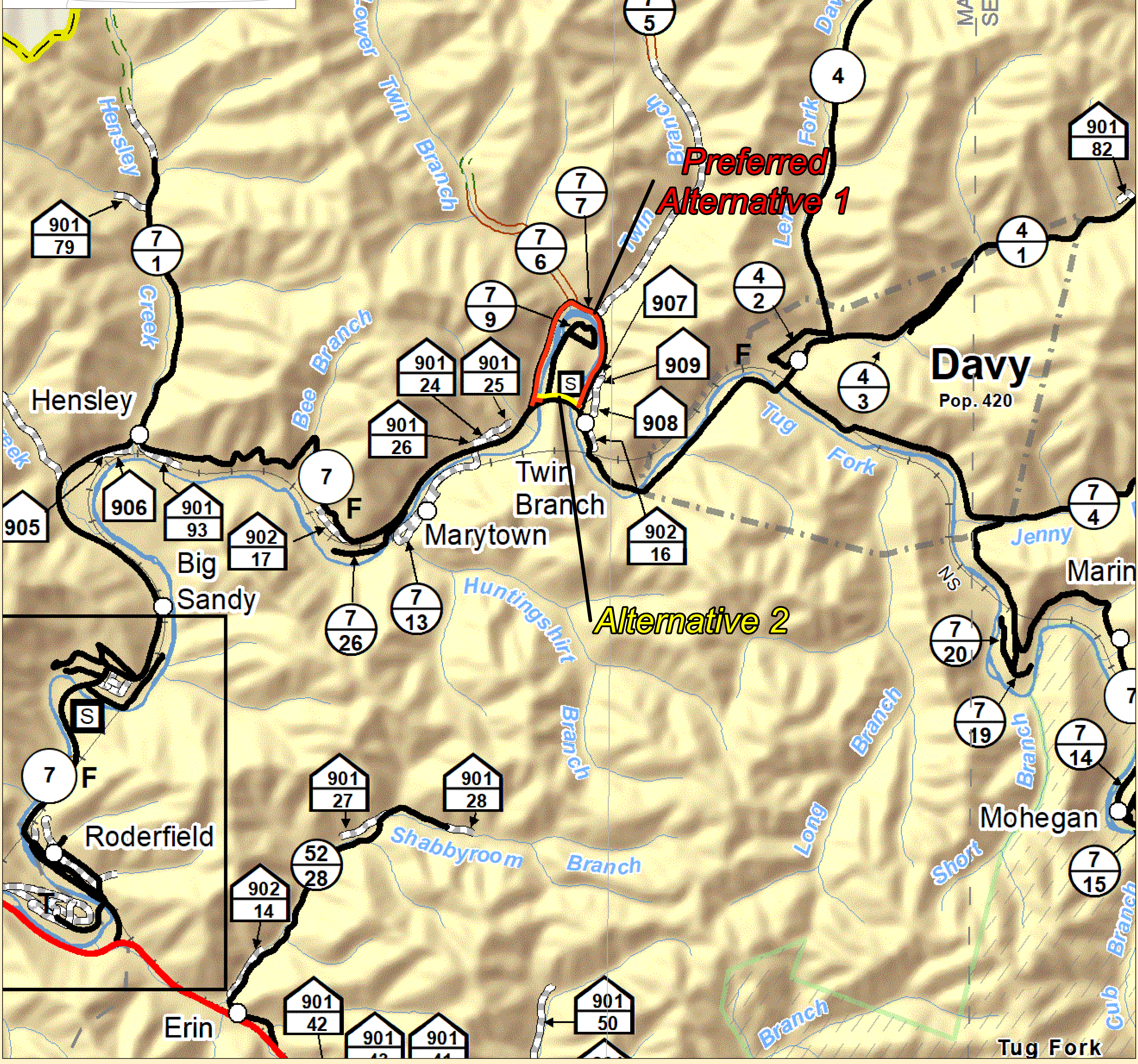
Public Information Workshop – 11/13/2018	Environmental Clearance Date – 12/2019
Public Meeting Comments Due – 12/17/2018	Expected Construction Start – 2020

INFORMATIONAL MEETING

The purpose of this informational workshop public meeting is to afford participants an opportunity to ask questions and state their views and opinions on the project. Your comments are important, comment sheets will be provided at the workshop. Your comments can be dropped in a comment box at the workshop, or mailed to:

Mr. R. J. Scites, PE
 Director, Engineering Division
 WV Division of Highways
 1334 Smith Street
 Charleston, WV 25301

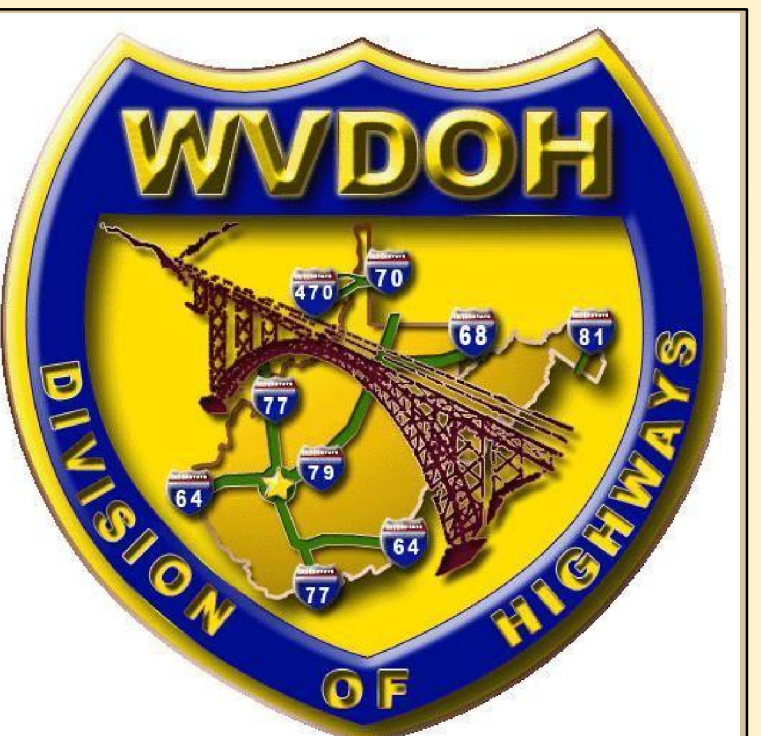
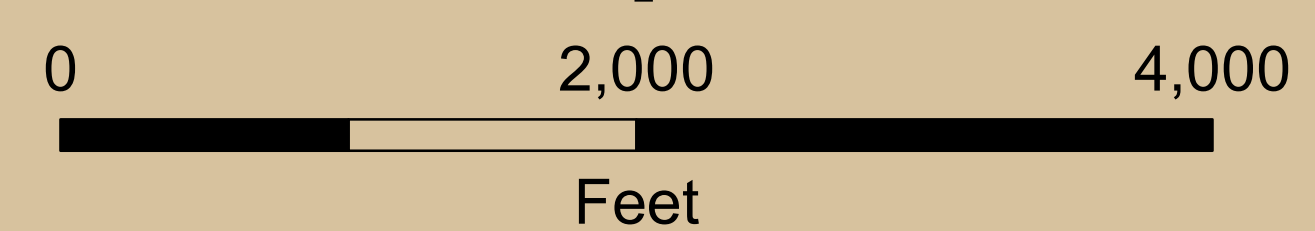
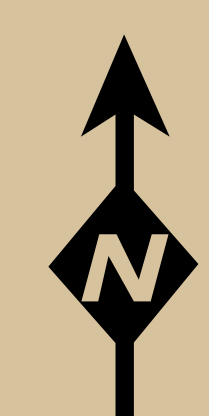
In addition, project information and comment sheets can be found online at our WVDOH Website at: <http://go.wv.gov/dotcomment> Click on “Comment on Engineering Projects”, then “Open”, and then click on “**Twin Branch Truss No.2**”. Comments are due by 12/17/2018.

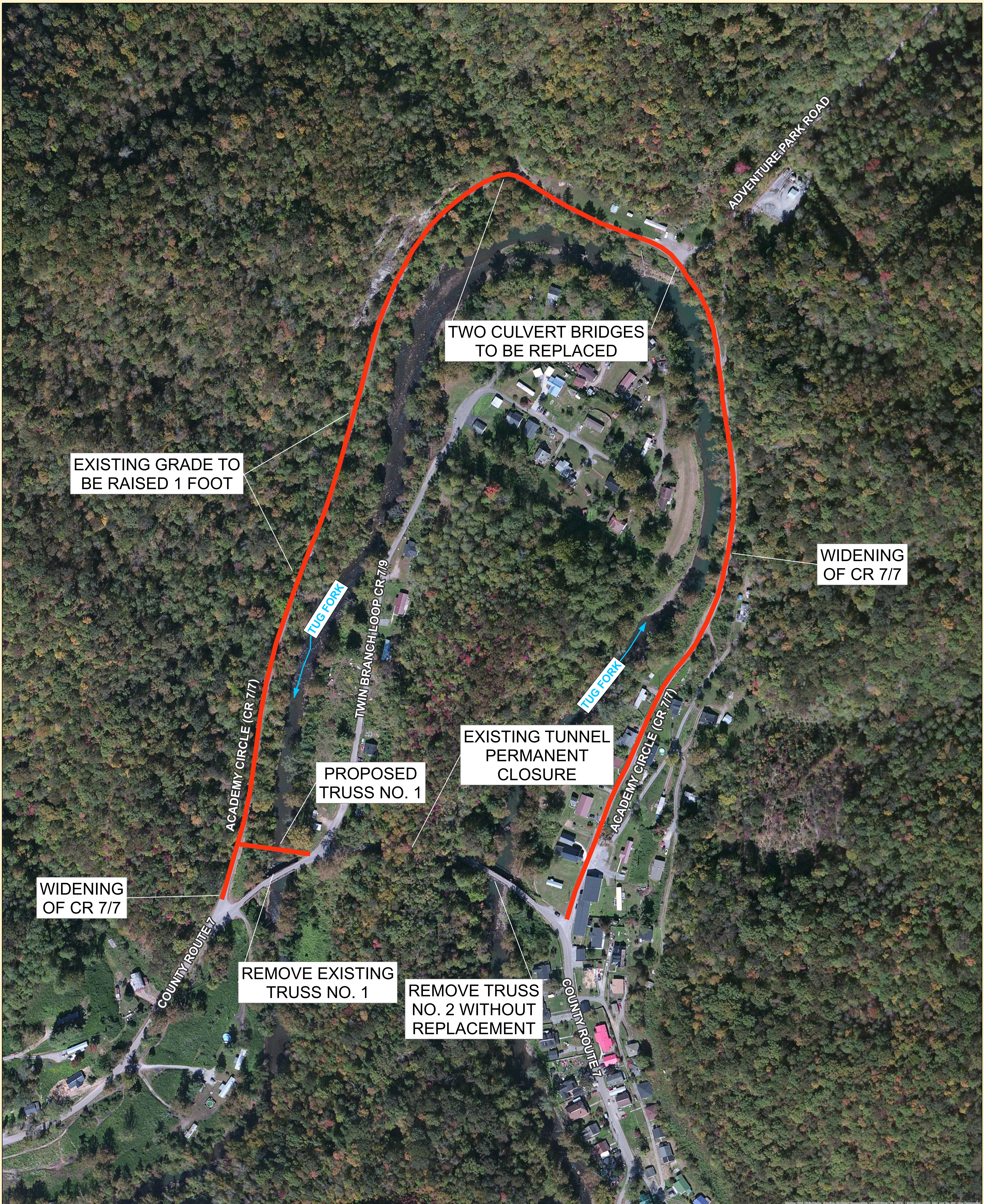


Twin Branch Truss No. 2 November 13, 2018

Project Location Map

State Project No. S224-7-5.32

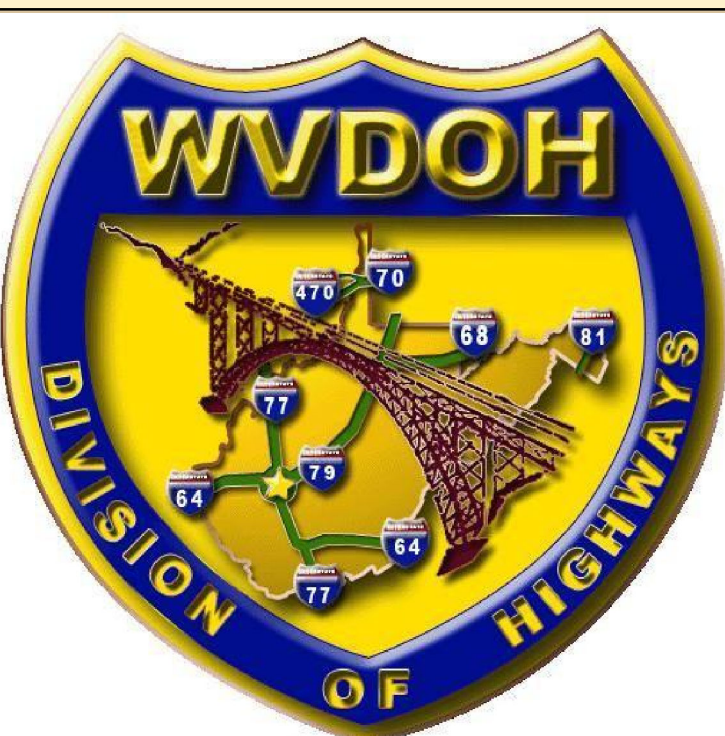
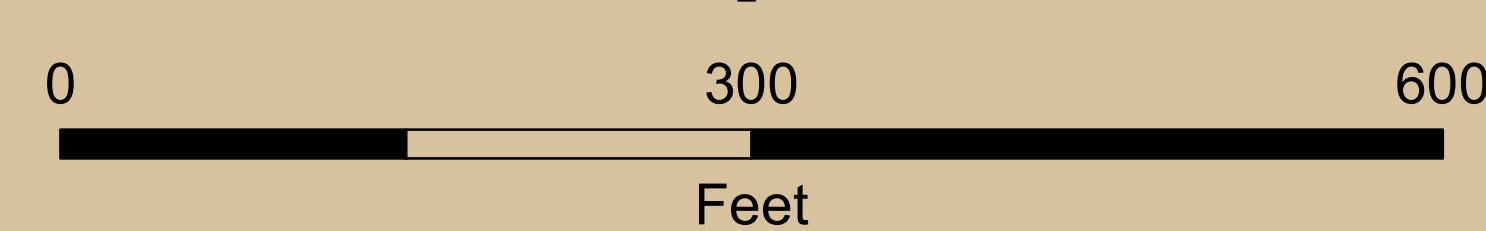


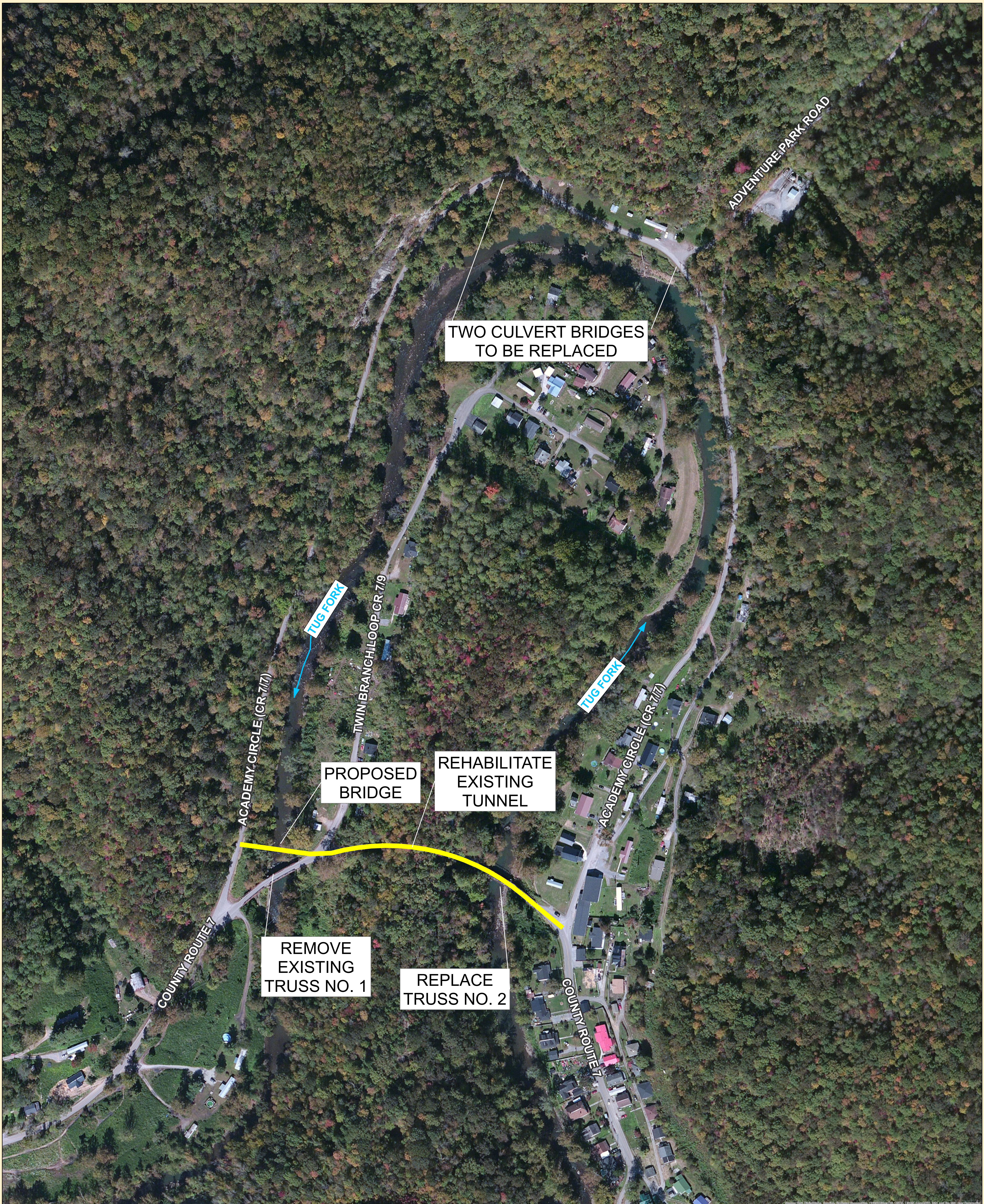


Twin Branch Truss No. 2 Preferred Alternative 1

November 13, 2018

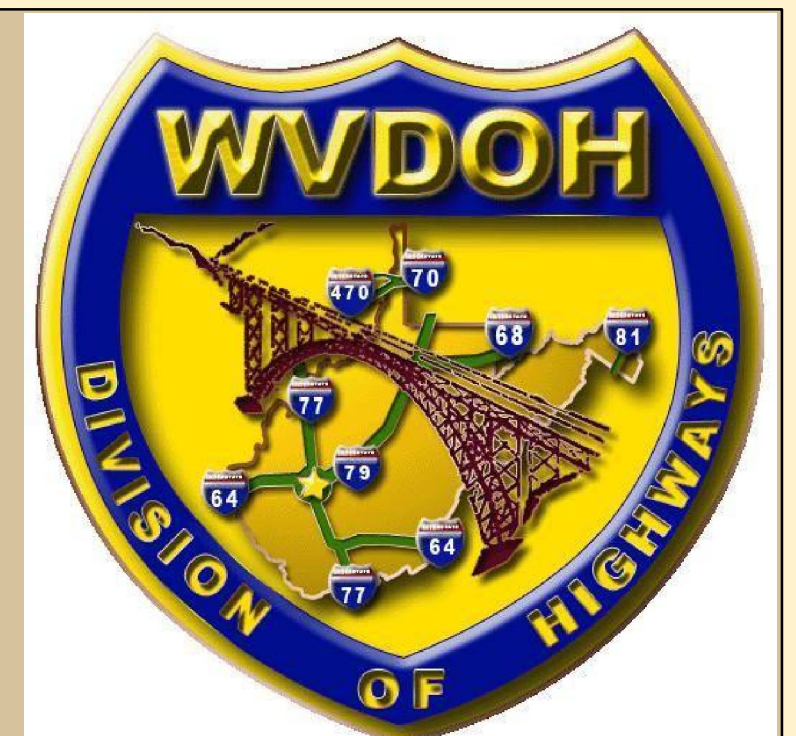
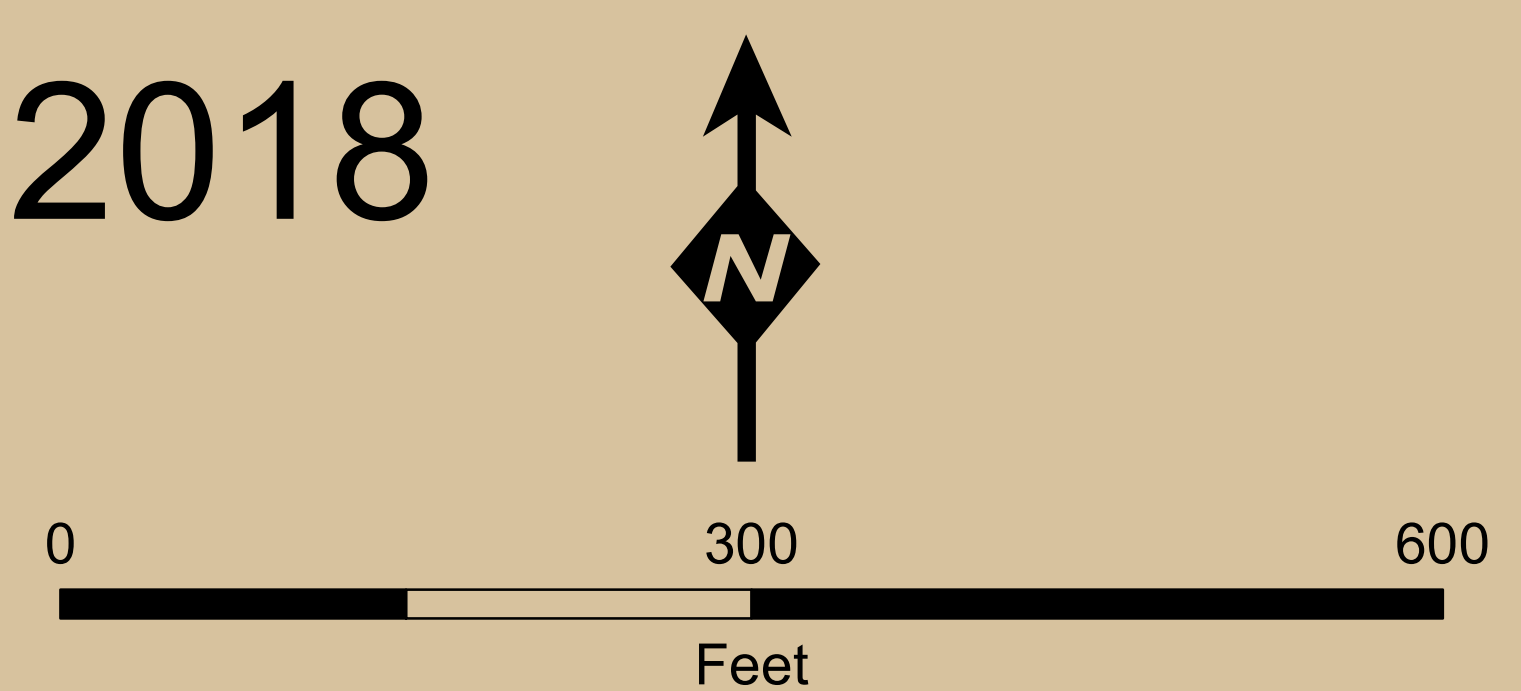
State Project No. S224-7-5.32





Twin Branch Truss No. 2 November 13, 2018 Alternative 2

State Project No. S224-7-5.32



Mr. R. J. Scites, PE
Director, Engineering Division
WV Division of Highways
1334 Smith Street
Charleston, WV 25301

DATE: 11/13/2018
LOCATION: Twin Branch Pentacostal Church
SUBJECT: INFORMATIONAL WORKSHOP PUBLIC MEETING
PROJECT: Twin Branch Truss No. 2
State Project No. S224-7-5.32
Federal Project No. STP-0007(294)D
McDowell County, WV

COMMENTS DUE BY 12/17/2018

Please consider the following comments:

(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 WVDOT Website: <http://go.wv.gov/dotcomment> Click on “Comment on Engineering Projects”, then “Open”, and then click on “Twin Branch Truss No.2”