

Small Structure Replacement on US Rte. 50 (George Washington Highway) over Branch of Youghioghny River

What work is planned for this bridge?

The existing structure will be completely replaced with a single span prestressed concrete slab bridge. The main objectives of this project are to replace the deteriorating structure, and increase the width of the bridge to provide a safer travel area. The new bridge provides shoulders on both sides of the roadway that meet the Americans with Disabilities (ADA) standards and SHA's bicycle requirements, supporting safety and mobility as a part of SHA's bridge preservation program.

Why is the work necessary?

The existing structure utilizes a culvert that channels a branch of the Youghioghny River under US 50. Originally constructed in 1927, it is structurally safe but is showing signs of deterioration. The proposed replacement bridge will be 23 feet long, and will include two 11-foot lanes and two 5-foot shoulders.

How will traffic be impacted by construction activities?

The proposed method for maintaining traffic is to detour traffic for a period of 10 weeks during the summer months to complete the construction in a single stage. This method of maintaining traffic has been used successfully on many other SHA projects and allows for the structure to be replaced in the quickest and safest manner.

Have any other alternates been considered?

Several options to replace the bridge while minimizing impacts to the public have been considered. Maintaining both lanes of traffic during construction was not an option because the existing bridge is too narrow to maintain both lanes and perform the replacement work. Widening the bridge to maintain traffic would increase costs and impacts to sensitive environmental areas adjacent to the bridge. Another option for maintaining traffic is to maintain two-way traffic in one travel lane through a system of traffic signals located at each end of the project. This was not a desirable option since it prolongs the construction.

When will work be completed?

SHA will make every effort to complete this project as quickly as possible while minimizing impacts to local residents and motorists. Construction is scheduled to begin in June, 2017. It is anticipated that construction will be completed by August 2017, weather permitting.

Questions & Answers

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Existing Bridge Elevation



Existing US Rte. 50 Typical Section



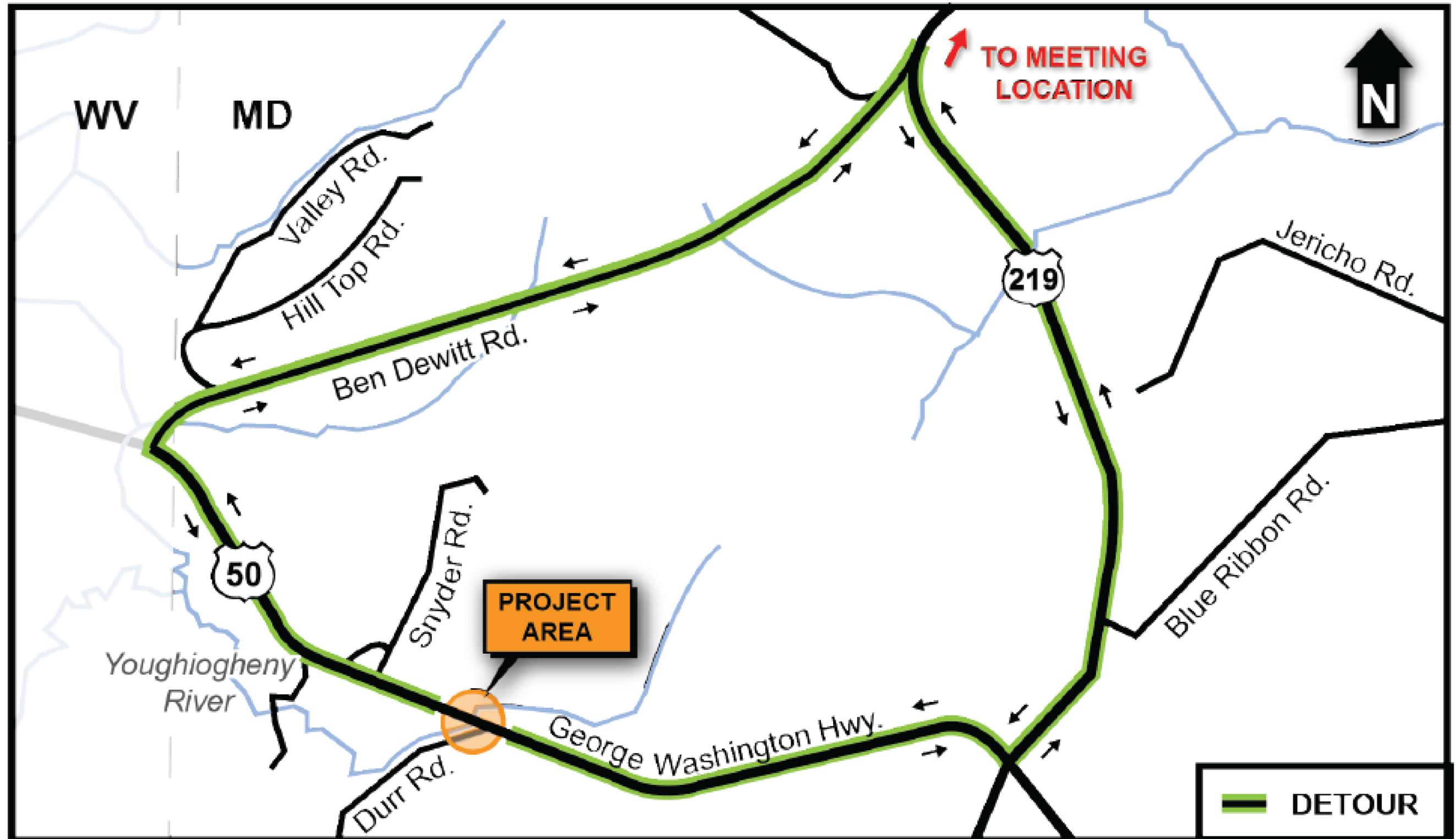
Example of Proposed Bridge
Elevation from a Similar Location



Example of Proposed Section
from a Similar Location

Photos

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Detour Map