

# Bridge Replacement on MD Rte. 234 (Budds Creek Road) over Gilbert Swamp Run

## What work is planned for this bridge?

The existing bridge 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 wider 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 MD 234 bridge, constructed in the 1958, is structurally safe but is showing signs of deterioration. This project is funded for construction under Governor Larry Hogan's Investment in highways and Bridges program aimed at addressing Maryland's structurally deficient bridges. The proposed replacement bridge will be 145 feet long and include two 12-foot lanes and two 8-foot shoulders.

## How will traffic be impacted by construction activities?

The proposed method 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 method of maintaining traffic has been used successfully on many other SHA projects.

## Have any other alternates been considered?

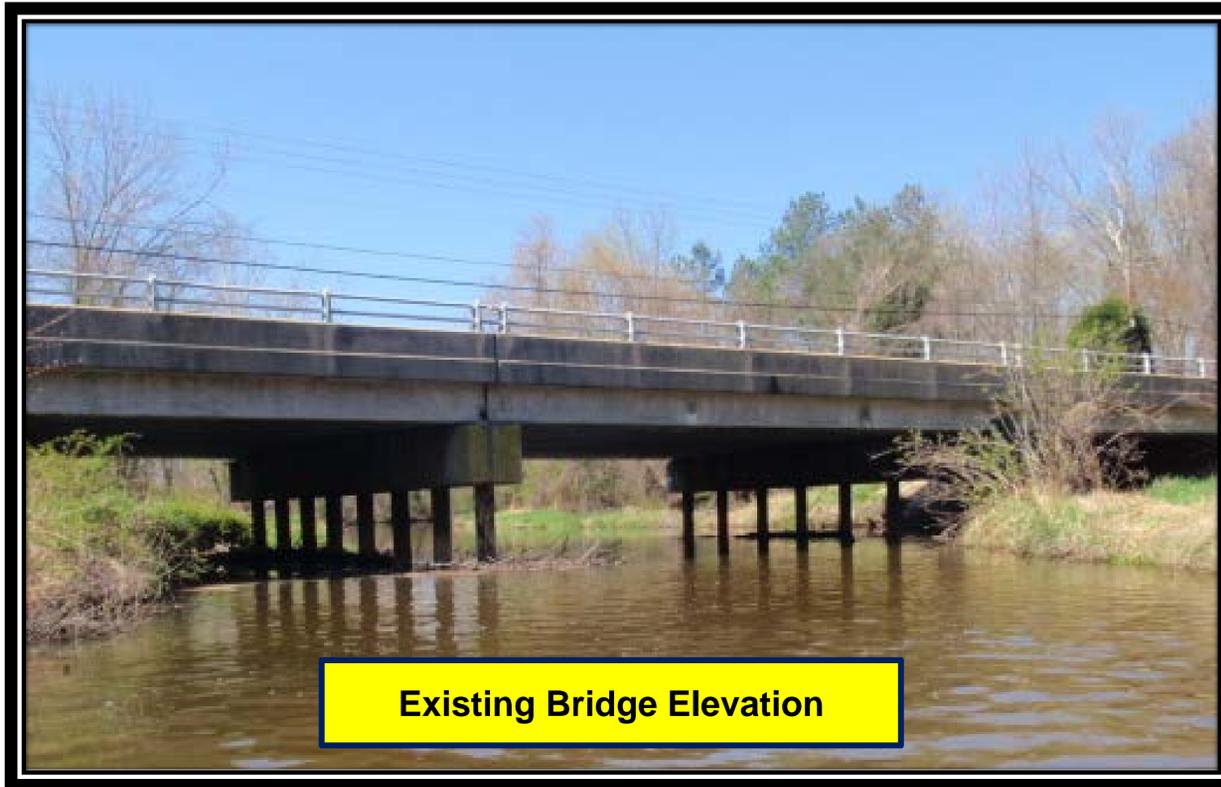
Several options have been considered to replace the bridge while minimizing impacts on the public. Maintaining both lanes of traffic during construction was not an option because the existing bridge is too narrow to maintain both lanes and perform the replacement work. Widening the bridge to maintain traffic would increase costs and have impacts on sensitive environmental areas. Another option for maintaining traffic is to close the roadway and redirect all traffic to adjacent highways. This option is not desirable as there are no roadways appropriate for detouring traffic within the MD 234 corridor.

## 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 summer 2017. It is anticipated that construction will be completed in early fall 2018, weather permitting.

## Questions & Answers

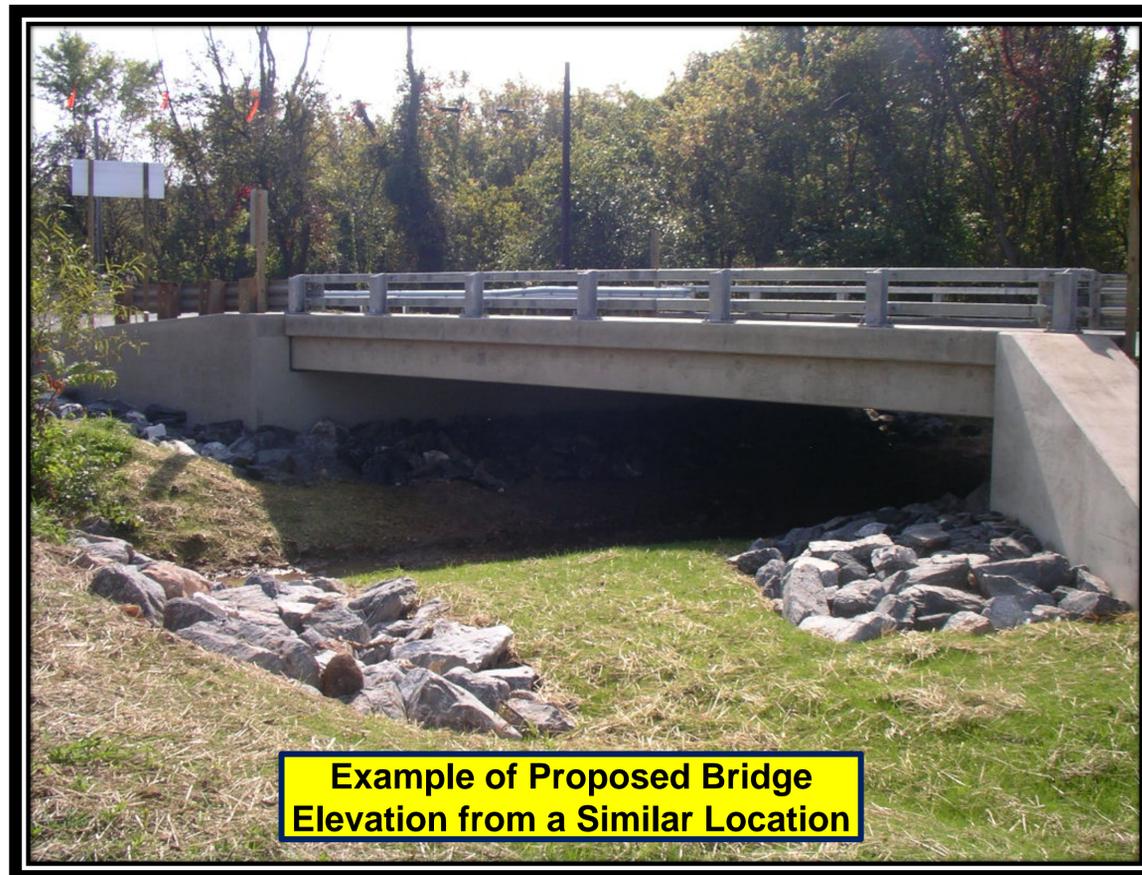
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Existing Bridge Elevation



Existing MD Rte. 234 Typical Section



Example of Proposed Bridge Elevation from a Similar Location



Example of Proposed Section from a Similar Location

Photos