

# Rehabilitation of Bridge on Downes Road over I-83

## Questions & Answers

### Why is the work necessary?

While the bridge is structurally safe, Downes Road over I-83, constructed in 1958, is showing signs of significant deterioration. The proposed deck replacement will extend the service life of the bridge an additional 30 - 50 years. This project is part of SHA's bridge preservation and replacement program.

### How will traffic be impacted by construction activities?

The current proposed concept for maintaining traffic involves closing the bridge and detouring traffic. Based on past experience, it is anticipated that a contractor would be able to reopen the roadway to traffic after one summer closure period for construction.

### Where will traffic be detoured?

Motorists on Downes Road east of the bridge wishing to access

MD 45 (York Road) will be directed to:

- Turn on Sampson Road
- Turn left on MD 439 (Old York Road)
- Arrive at MD 45 (York Road)

Motorists travelling north or south on MD 45 (York Road) wishing to access Downes Road on the east side of the bridge will be directed to:

- Turn on MD 439 (Old York Road)
- Turn right on Sampson Road
- Arrive at Downes Road

### Have any other alternatives been considered?

Several options to rehabilitate the bridge while minimizing impacts to the public have been considered. The option of maintaining one alternating lane of traffic with temporary signals during construction would increase the duration of the project and create unsafe conditions for both motorists and construction workers. A complete closure of the roadway and traffic detour will allow the project to be completed in the shortest time period and in the safest manner.

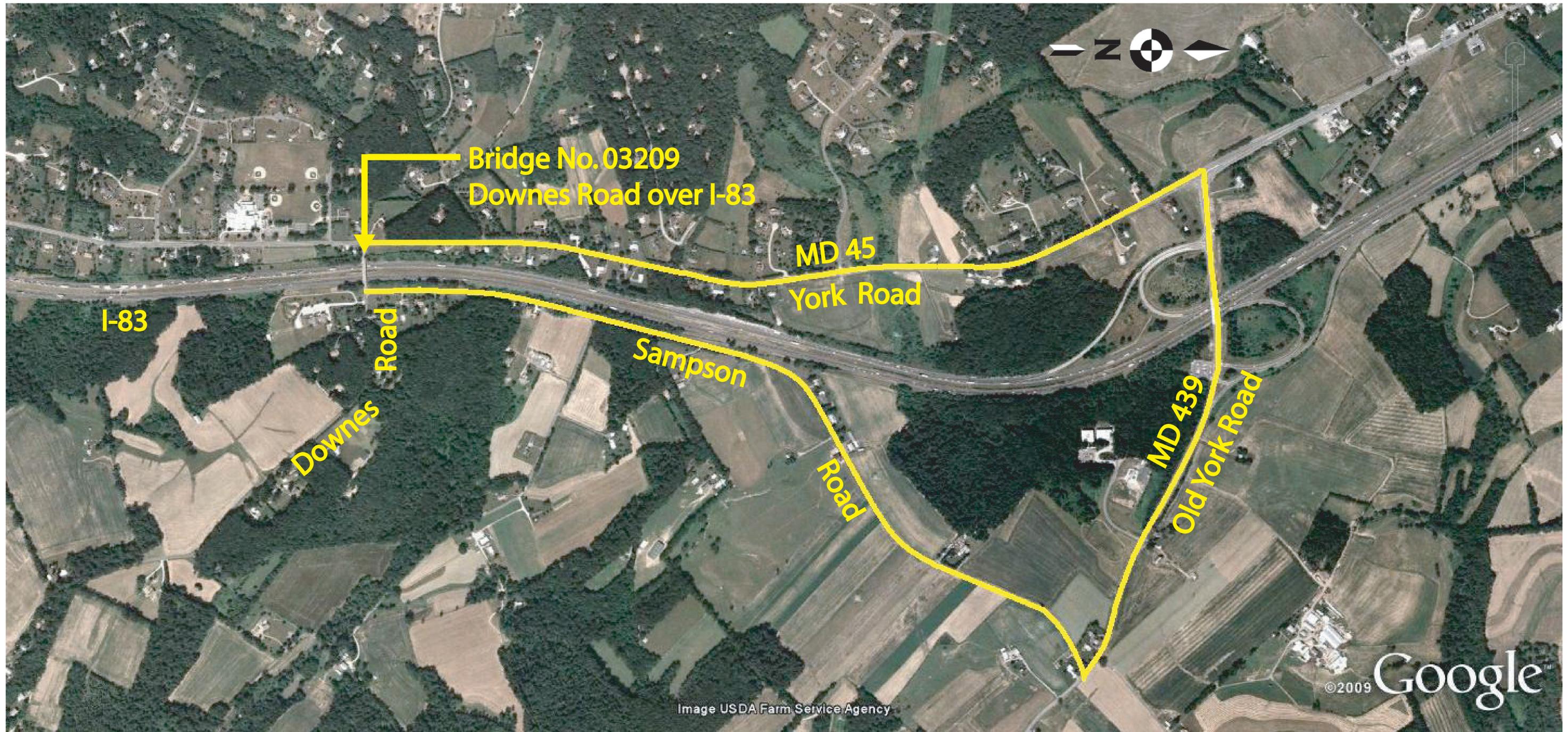
### When will work be completed?

SHA will make every effort to complete this project as quickly as possible while minimizing impacts to local residents and motorists. The road is scheduled to close in June 2011, after school is out. It is anticipated that the road will reopen in early Fall 2011, weather permitting.

### What rehabilitation work will be performed to the bridge?

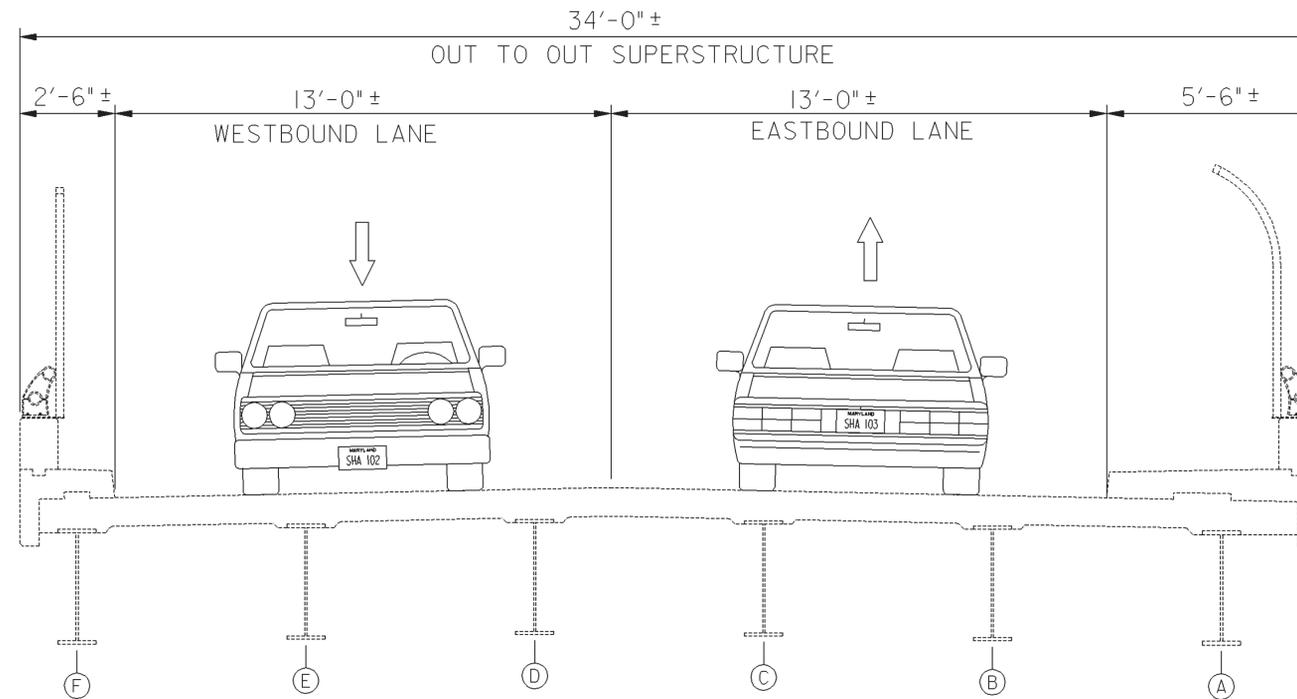
The proposed rehabilitation work includes replacement of the concrete bridge deck, painting of the existing steel girders, rehabilitation to the piers and abutment wing walls.

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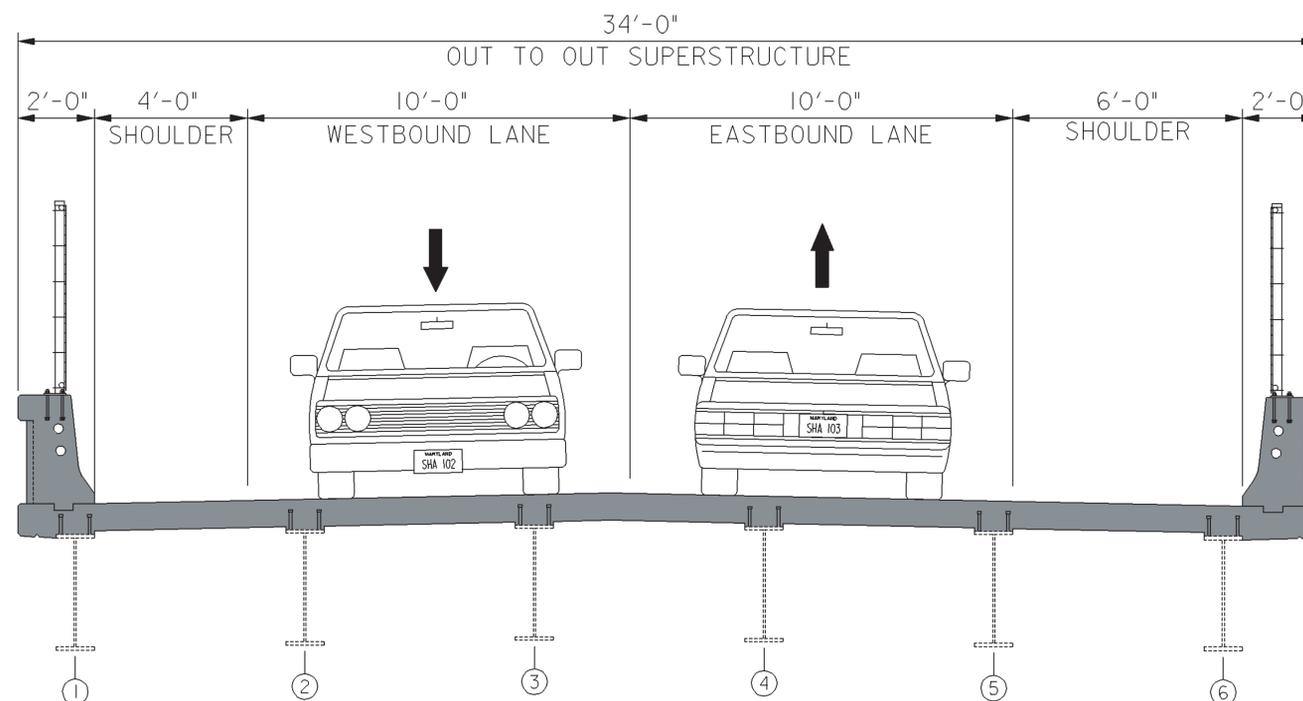


## Project Location and Detour

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## Bridge Roadway Section - Existing



## Bridge Roadway Section - Proposed

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