

# SR 141 Newport Viaduct Rehabilitation Project

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## Project Description

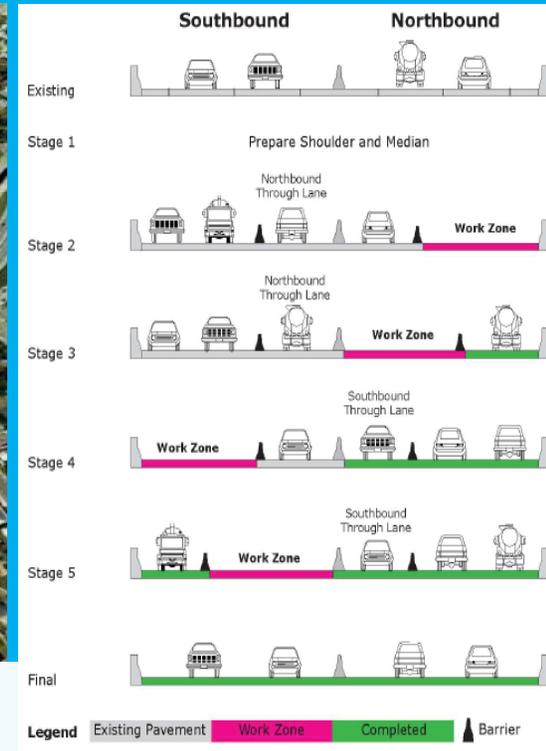
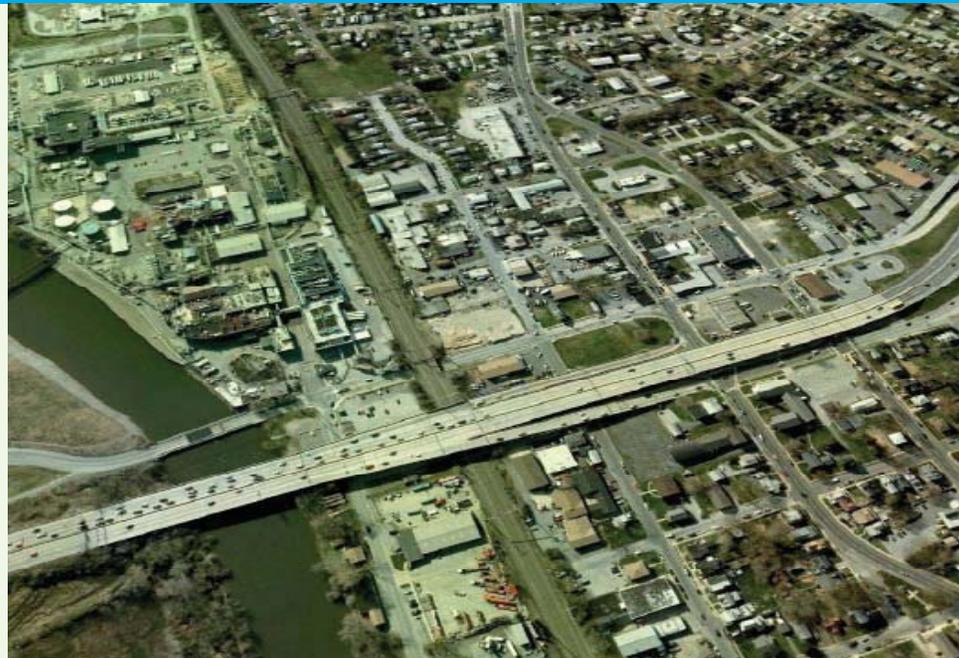
The Delaware Department of Transportation (DelDOT) is initiating a project to rehabilitate the Newport Viaduct (BR 1-501) on State Route 141 that connects I-95 with Newport, DE in New Castle County. The bridge is 2,000 feet long and spans SR 4, local roads, Amtrak and the Christina River. Built in the 1970s, the bridge and its associated ramps are showing signs of deterioration. The purpose of the SR 141 Newport Viaduct rehabilitation project is to extend the service life of the bridge and to improve ride quality.

## Local and Through Lanes

Average daily traffic along this stretch of SR 141 is approximately 87,000 vehicles, including up to 11% truck traffic. The roadway provides a critical link between several major highways. As maintenance and protection of traffic is crucial to the mobility of the region, DelDOT will maintain two lanes in each direction during peak hours for the duration of construction. This will be accomplished using a traffic control scheme that includes local and through lanes.

During Stage 1 of the project the shoulders and median on SR 141 will be prepared for traffic to travel on temporarily. In subsequent stages 2 through 5, one of the four lanes in either the northbound or southbound direction will be dedicated to a Through Lane. By shifting traffic in this manner four lanes remain open to traffic while construction advances on either SR 141 northbound or southbound.

The Through Lane has many advantages. Most importantly, it reduces the number of construction stages and the amount of construction time needed compared to more typical MPT schemes. It also reduces impacts to entrance and egress ramps and minimizes local impacts.



## Project Schedule

Preliminary Design is complete and Final Design will be completed in Winter 2011. Construction is expected to take place from Spring 2011 to Spring 2013.

