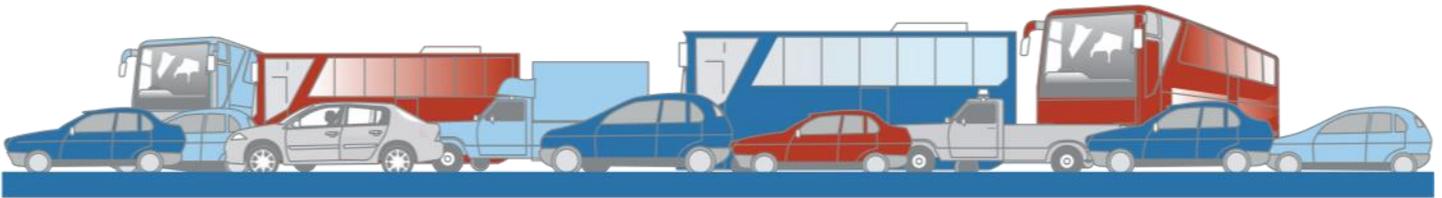


# PA Route 100 Congestion Mitigation Study



The goal of the PA Route 100 Congestion Mitigation Study was to identify a comprehensive approach to alleviate motor vehicle congestion, provide safe accommodations for pedestrians and bicyclists, and improve access to the Exton Train Station. Funding for the study was provided by the Delaware Valley Regional Planning Commission (DVRPC) through the Transportation and Community Development Initiative (TCDI) program with matching funds provided by West Whiteland Township.



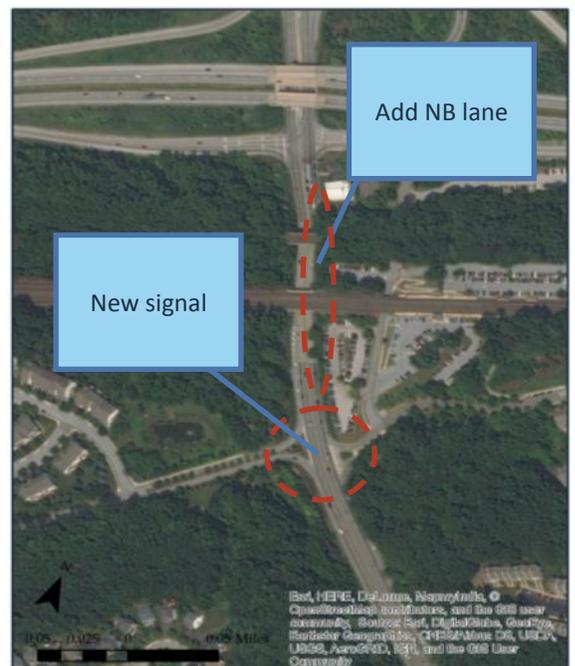
## Project Elements

- 1 Evaluate the feasibility of constructing additional travel lanes along PA Route 100 without impacts to the U.S. Route 30 Expressway.
- 2 Identify and evaluate other structural solutions, including but not limited to intersection improvements and pedestrian bridges.
- 3 Evaluate the efficacy of non-structural solutions (e.g. signal timing, video monitoring, variable speed limits, etc.) to mitigate congestion, both with and without structural solutions.
- 4 Identify options for safely accommodating pedestrians and bicyclists, including but not limited to a connection between the Chester Valley Trail and the Exton Train Station, as well as PA Route 100 crossings.
- 5 Identify options to enhance the visibility and accessibility of the Exton Train Station (for vehicular, pedestrian, and bicycle traffic as well as mass transit).

Exton is located at the crossroads of multiple regional transportation corridors, which leads to unique constraints that impact the ability to expand PA Route 100 to handle the congestion issues through traditional capacity solutions. These obstacles include structural barriers (i.e. bridges), expressway interchanges, land development patterns, and planned bicycle / pedestrian facilities.

Several different improvement scenarios were developed for the corridor including traditional roadway widening, alternative interchange design (SPUI, DDI, DLTI), and intelligent transportation solutions. Each displayed varying levels of effectiveness in addressing the traffic congestion on PA Route 100. However, due to the constraints, few of the scenarios evaluated would be feasible without impacting existing structures in the corridor.

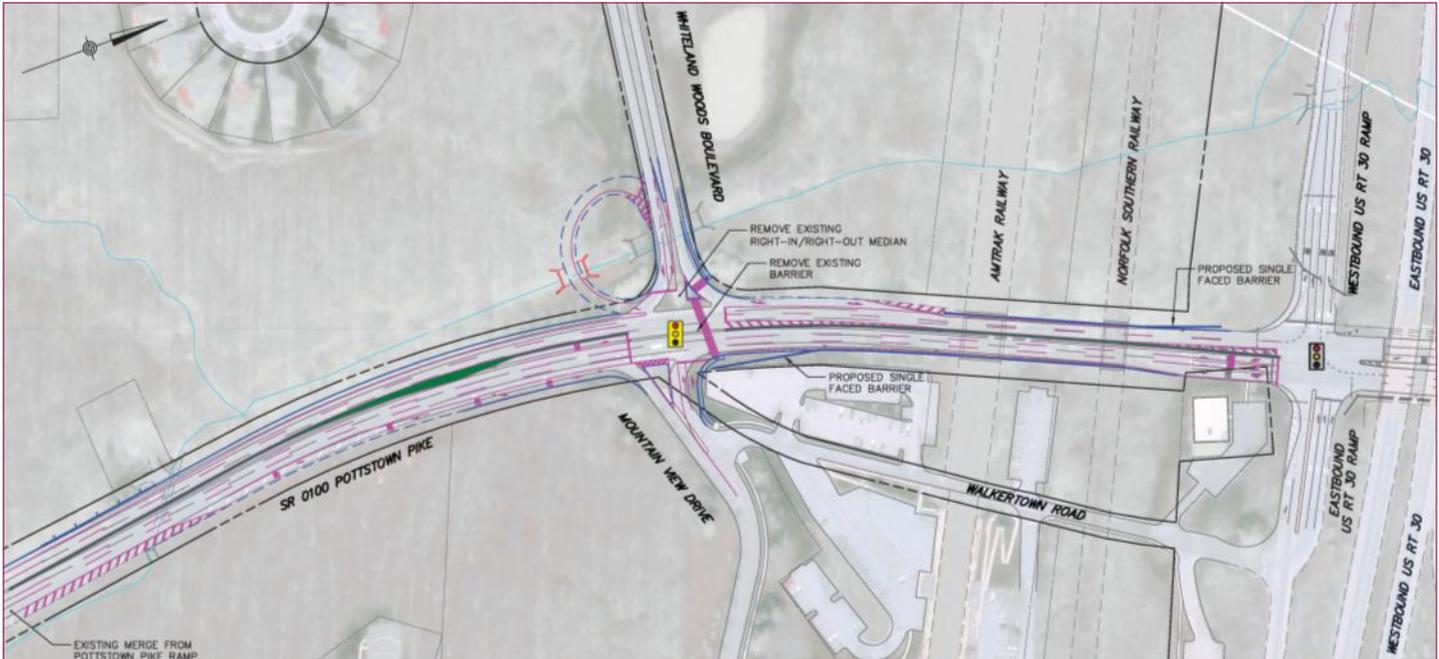
## Preferred "Short-term" Alternative Elements



# PA Route 100 Congestion Mitigation Study

The preferred “short-term” alternative was chosen to provide measurable traffic congestion reduction and not necessitate altering structural constraints on PA Route 100. As part of the project, a conceptual plan and cost estimates were developed for the purposes of budgeting for future capital improvements. The estimated cost of the proposed improvements totals approximately \$15 million. Building a strong base of local community and political support will be vital to establishing this project as a priority in Chester County and advancing the project onto the PennDOT Twelve Year Program. West Whiteland Township will have a continued role as the champion for this initiative.

## Preferred “Short-term” Alternative Concept Plan



## Preferred “Short-term” Alternative Cross Section

