

STATE ROUTE 1 PEDESTRIAN IMPROVEMENTS

POTENTIAL TRAFFIC IMPACTS OF PEDESTRIAN SIGNALS

Signalized pedestrian crosswalks across SR 1 are currently proposed at 13 of 14 signalized intersections between the Lewes and Rehoboth Canal and Five Points (US 9). Pedestrian signals will be provided across SR 1 on either the north or south side of the intersection and across all side street approaches. Due to the sloped median along SR 1 at Wescoats Road, a pedestrian crossing of SR 1 is not proposed at this intersection.

Installing signalized pedestrian crossings along SR 1 will require assigning a portion of the traffic signal cycle for pedestrians to safely cross the roadway. At many intersections, this will require reducing the amount of green time available for motorists traveling along SR 1. This will potentially cause increases in stops and delays for through traffic along SR 1. The pedestrian signals will be push-button activated, minimizing the frequency of impacts to vehicular traffic.

To reduce impacts to motorists, DelDOT has evaluated various intersection capacity improvements, including:

- Identifying crosswalk locations that minimize the amount of additional time required to safely serve pedestrian movements.
- Changing side street lane configurations and/or widening side street approaches to provide additional travel lanes.
- Modifying traffic signal operations to improve efficiency and reduce stops along SR 1.