ISLE OF WIGHT
Safety Action Plan

Countermeasures Toolkit



Crash Type: Rear End Crashes

Crashes that occur when one vehicle strikes the rear of another vehicle resulting from sudden braking, following too closely, excessive speeding, or lack in awareness of an approaching intersection.

Potential Treatments:

| Advanced Warning Signs



Description: Roadway signs that bring awareness to approaching traffic control devices and/or alert drivers of any changes to traffic conditions.
Source: https://mutcd.fhwa.dot.gov/pdfs/11th_Edition/Chapter2c.pdf

| Retroreflective Backplates



Description: Reflective treatment to improve the visibility of signal heads (during night and daytime conditions) and bring awareness for vehicles approaching a signal-controlled intersection.
Source: https://www.vdot.virginia.gov/media/vdotvirginiagov/doing-business/technical-guidance-and-support/traffic-operations/vhsip/HVSB_VDOT_One-Pager.pdf

| Signal Timing Modifications



Description: Recalibration of existing signal timing to allow more green time at travel lane approach.
Source: https://ops.fhwa.dot.gov/publications/fhwahop08024/chapter5.htm

| Speed Management Strategies



Description: Speed management ensures drivers have enough reaction time to be able to stop when necessary.
Source: https://highways.dot.gov/safety/speed-management/speed-management-countermeasures-more-just-speed-humps