ISLE OF WIGHT
Safety Action Plan

Countermeasures Toolkit



Crash Type: Angle Crashes

Crashes that occur when two motor vehicles impact at or near a right angle. Angle crashes can result from failing to obey a stop sign or traffic signal; a vehicle not having enough time to enter a major roadway; vehicle crossing multiple travel lanes; and drivers having low visibility at intersections.

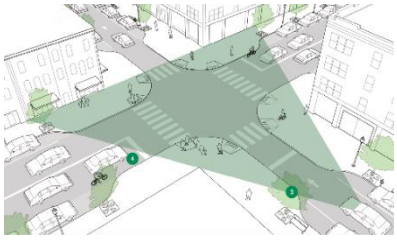
Potential Treatments:

| Improved Traffic Control Devices



Description: Traffic Control devices clearly define the traffic operations at an intersection by directing vehicles when to stop and yield which reduces collisions with opposing traffic.
Source:https://www.fhwa.dot.gov/resourcecenter/teams/safety/saf_11TCD.pdf

| Ensuring Adequate Sight Distance



Description: Removing obstacles close to an intersection improves a driver's ability to effectively see opposing traffic. Sight distance can be improved at intersections by removing on-street parking close to an intersection, cutting trees, or other methods to increase visibility.



Daylighting is also a common method to improve sight distance by prohibiting vehicle parking adjacent to crosswalks and intersections.
Source: https://nacto.org/publication/urban-street-design-guide/intersection-design-elements/visibility-sight-distance/

Roadway Markings



Description: Roadway markings clearly delineate designated lane controls along roadways (or at an intersections) which reduces conflicts with opposing vehicles.
Source: https://mutcd.fhwa.dot.gov/htm/2009/part3/part3b.htm

Median Crossover Improvements



Description: Median improvements to eliminate crashes that are caused by vehicles crossing multiple lanes of traffic. The median can be improved through markings, delineated posts, and/or physical hardening.
Source: https://highways.dot.gov/safety/proven-safety-countermeasures/median-barriers

Regulatory Roadway Signs



Description: Roadway signs that re-enforce designated vehicle movements and define user right-of-way to reduce conflicts with opposing or turning vehicles.
Source: https://mutcd.fhwa.dot.gov/pdfs/11th_Edition/Chapter2b.pdf

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