

Rear-end Crashes

Drivers who speed and follow too closely to the lead vehicle are to blame for rear-end collisions. According to the National Highway Traffic Safety Administration, approximately **87% of rear-end crashes** included some form of driver distraction.¹

Research Shows Intersection Safety Improves with Red-Light Safety Cameras States Report Decrease in Rear-End Crashes

New Jersey

- In 2012, there were **12,186 rear-end crashes** that occurred at signalized intersections on city, county and state roads in New Jersey. That accounted for nearly 33% of crashes at those signalized intersections. Less than 5% (4.7%) occurred at red-light safety camera locations.³

“ We have found no perceptible negative impacts to traffic flow. There’s been 60,340 red-light violation events reviewed with **no resulting rear-end collisions.**”

— Brian Wilson, Police Chief
City of Federal Way, WA



At the first two intersections with red-light safety cameras in New Jersey, **rear-end crashes decreased:**

50% in the first year of operation

42% in the second year

29% in the third year⁴

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Florida

- Of the 44 police agencies providing rear-end crash results to a 2013 Florida Department of Highway Safety and Motor Vehicles survey since the Mark Wandall Traffic Safety Act took effect:

43% reported a **decrease** in rear-end crashes

25% reported **no change**⁵



Miami, FL

Reported a **52% decrease in total crashes** and a **46% decrease in rear-end crashes** based on a three year prior to installation average.⁶



Council Bluffs, IA

Installed intersection safety cameras at five intersections in August 2005. Data for the first year was collected and showed: **total crashes at all five camera enforced intersections dropped by 44%** and **rear-end collisions decreased by 34%**.⁷



Howard County, MD

Noted a **3.1% decline in rear-end crashes** at intersections with cameras in place for five years or more.⁸

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- ¹ National Highway Traffic Safety Administration. "Analyses of Rear-End Crashes and Near-Crashes in the 100-Car Naturalistic Driving Study to Support Rear-Signaling Countermeasure Development." Executive Summary Page XVI. October 2007.
[http://www.nhtsa.gov/DOT/NHTSA/NRD/Multimedia/PDFs/Crash%20Avoidance/2007/Analyses%20of%20Rear-End%20Crashes%20and%20Near-Crashes%20\(DOT%20HS%20810%20846\).pdf](http://www.nhtsa.gov/DOT/NHTSA/NRD/Multimedia/PDFs/Crash%20Avoidance/2007/Analyses%20of%20Rear-End%20Crashes%20and%20Near-Crashes%20(DOT%20HS%20810%20846).pdf)
- ² Federal Way Mirror (Washington), Jan. 7, 2013. <http://www.federalwaymirror.com/news/185954621.html?mobile=true>
- ³ New Jersey Department of Transportation Report on Red Light Traffic Control Signal Monitoring Systems. Third Annual Report.
<http://www.state.nj.us/transportation/publicat/lmreports/pdf/2013finalrlrreport.pdf>
- ⁴ New Jersey Department of Transportation Report on Red Light Traffic Control Signal Monitoring Systems. Third Annual Report. Technical Appendix. Table: Yearly Crash Data.
<http://www.state.nj.us/transportation/publicat/lmreports/pdf/2013rlrtechnicalappendix.pdf>
- ⁵ Florida Department of Highway Safety and Motor Vehicles. Red Light Camera Summary Report. Revised Jan. 8, 2014.
<http://www.flhsmv.gov/Reports/RedLightCameraAnalysis2013.pdf>
- ⁶ City of Miami News Release. "Florida's Highway Safety Report Finds Crashes Continue to Decrease at Red-Light Safety Camera Intersections." Jan. 8, 2014.
http://www.miamigov.com/home/docs/Headlines/2014/01-08-Red-Light_Camera.pdf
- ⁷ The Effectiveness of Iowa's Automated Red Light Running Enforcement Programs, Final Report December 2007. Sponsored by the Iowa Department of Transportation.
<http://www.ctre.iastate.edu/reports/rlr-phase2.pdf>
- ⁸ Automated Enforcement: 10-year Evaluation Red Light Running Detection: Howard County, Maryland, 2007.
http://www.ite.org/meetcon/2007AM/Session_41_George%20Frangos.pdf

