



City Uses Automated Enforcement to Reduce Speeding-Related Crashes



About the Client

The **City of Dayton** is the sixth-largest city and fourth-largest metropolitan area in the State of Ohio. Bordering on I-70, Dayton serves as an industrial logistical hub and home to the National Museum of the U.S. Air Force.

Program Overview

13

photo speed violation detection systems

24/7

operation and support maintenance

75%

reduction in crashes on James H. McGee Blvd.
(Oct 2017 - Jan 2018)

84%

reduction in vehicles traveling at, or above, 55 mph
(James H. McGee Blvd.)

Program includes complete Optotraffic back-office support services such as: *citation processing, preventative and corrective maintenance, payment processing, officer training, and expert witness support*

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The Challenge

The City of Dayton was looking for a way to reduce speeding where traditional enforcement methods had failed to deter dangerous driving. One location in particular, James H. McGee Boulevard, with a posted speed of 40 mph, had a substantial speeding problem, including even several incidents of vehicles fleeing from officers trying to enforce speeding in the area. The City also had to quickly respond to two speed-related fatal crashes within a week of each other on Riverside Drive. The situation had become hazardous enough to where both citizens and officers voiced their complaints about the speeding problem. Continuing with the traditional enforcement methods was not an option.

The Solution

Since the photo enforcement program began the City has deployed thirteen (13) LiDAR-based speed enforcement

“Optotraffic has been very supportive in our goal to reduce traffic crashes within the City of Dayton. I highly recommend Optotraffic’s services to any Government that has a need for their technology.”

- **Chief Richard S. Biehl**
Director and Chief of Police, Dayton Police Department

units, in handheld, portable and fixed configurations. We provided Dayton Police officers with **DragonCam™** handheld enforcement devices that can capture speeding violations from a distance up to 400 feet, eliminating the risk of chasing down speeders. We also installed our **SilverHawk™** fixed pole speed enforcement solutions and have deployed **SkyHawk™** trailer-based enforcement systems at multiple locations – all enabling the City to target the problem areas quickly and keep their overall enforcement program fluid.

Results

In the first four months of enforcement, including a 30-day warning period, there was a significant reduction in speeding and crashes in the City of Dayton. James H. McGee Boulevard alone saw a 75% reduction in crashes compared to the four months prior to deployment, along with an 84% reduction in vehicles traveling at, or above, 55 mph. Riverside Drive also had a 37% reduction in crashes and saw an 82% reduction in vehicles traveling at, or above, 55 mph. Overall, the City issued 19,212 warnings and 18,929 violations to vehicle owners captured from locations throughout Dayton. Based on the initial success of the photo speed enforcement program, the City is looking forward to the second phase with its focus on reducing red light violations by deploying our **RedHawk™** fixed pole systems at several dangerous intersections.