

Additional Analysis of Red Light Cameras in the City of Hamilton



CLIENT: City of Hamilton

Applied Research



synectics
SAFETY SPECIALISTS

The City of Hamilton has eight locations in the city at which red light cameras are being used. While City of Hamilton is participating in the Red Light Running Countermeasures Evaluation along with five other Ontario municipalities, the evaluation was not set up to show how individual municipalities were faring in terms of the safety effectiveness of their red light cameras. Hamilton staff wished to know how effective the program was at reducing collision risk in the City of Hamilton on its own.



Using innovative statistical risk estimation methods, Synectics staff evaluated the effectiveness of the red light cameras in the City of Hamilton using the eight locations having red light cameras compared to another ten locations in distant communities. The collisions and volume at the locations were compared both before and after the inception of the program. The results offered definitive proof that City of Hamilton red light cameras were effective at reducing total and right-angle collision risk at the red light camera locations as compared to the untreated locations.