

Bosch Improves Safety and Security at International Toll Bridge



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“We need reliable read rates for effective license plate capture at the bridge. The REG-L1 cameras handle inclement weather very well. They get the plate in nearly any condition.”

Wade Dorland, Operations Manger, Seaway International Bridge Corporation

Project: Seaway International Bridge Corporation

Sector: Transportation

Product: REG-L1 License Plate Cameras + Aegis SuperLED Illuminators with PTZ Domes

Toll Bridge Requires Reliable Surveillance

Seaway International Bridge Corporation operates the international toll bridge system linking Cornwall, Ontario, Akwesasne and Massena, New York. It handles more than 2,400,000 transits annually and is a vital transportation route in the region. Bridge operators faced drivers traveling at high speeds through toll lanes, as well as vandalism of security lighting used for surveillance monitoring. They required a solution to help deter unlawful activity and improve safety for all drivers and bridge personnel.

Problem: Unlawful activity risks safety and security

- High-speed drivers moving through toll lanes create unsafe conditions for other travelers
- Bridge operators must provide police with irrefutable identification of license plate and driver for prosecution
- Vandals disabling flood lights hinders surveillance monitoring of restricted areas with pan-tilt-zoom (PTZ) domes

Solution: REG-L1 License Plate Capture cameras and Aegis SuperLED Illuminators with PTZ Domes

- REG cameras provide high-resolution plate images from vehicles moving at speeds up to 160 kilometers per hour – day and night
- Ambient Rejection technology overcomes reflectivity, glare, headlights, darkness and speed
- Facial recognition cameras capture drivers through the windshield
- SuperLED Infrared Illuminators with 3D Diffuser and Constant Light technology supply even lighting with reliable illumination levels for installed pan-tilt-zoom domes

Results: Reliable plate capture and night surveillance

- Cameras capture plate and driver images to help identify Highway Traffic Act violators
- Successful prosecution deters other drivers from unlawful activity, virtually eliminating erratic behavior
- Infrared illuminators enable PTZ domes to provide night-time video of restricted areas without visible light – discouraging vandalism



Seaway International Bridge Corporation requires reliable read rates for license plates of motorists travelling through toll lanes.



Conventional Camera



REG-L1 License Plate Capture

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