

# Extreme in Action: Plate Capture for World's Longest Bridge



**BOSCH**

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**“The Lake Pontchartrain Causeway project presented very challenging conditions for license plate capture. The REG cameras delivered a very high level of performance and helped ensure the smooth operation of the tolling system, even with cars traveling at highway speeds.”**

Steve Brindle, Smart Systems Technologies

**Customer:** Lake Pontchartrain Causeway  
**Sector:** Transportation  
**Product:** REG-L1 License Plate Capture Camera

## License Plate Capture for World's Longest Bridge

Bosch REG License Plate Capture cameras are being used to capture license plates from vehicles traveling at highway speeds for a tolling application at Lake Pontchartrain Causeway in New Orleans. The 24-mile long bridge holds the distinction as the world's longest bridge and carries an estimated 30,000 vehicles per day. REG cameras will provide high-contrast images of license plates from vehicles traveling up to 100 miles per hour – day and night.



## Problem: High-Speed License Plate Capture

- High-quality plate images required for tolling application
- Highway speeds on Lake Pontchartrain Causeway caused inconsistent license plate capture
- Especially poor imaging under low light
- Conventional cameras produced poor image quality
- Problems in plate capture caused inefficiencies in tolling system

## Solution: REG Cameras Get the Plate 24/7 at Highway Speeds

- REG cameras produce crisp, high-resolution plate images
- Definitive High-Contrast imaging technology allows REG cameras to capture plates from vehicles moving at 100 mph
- On-board infrared illumination ensures effective performance day and night
- Ambient Rejection technology overcomes reflectivity, glare, headlights, darkness and speed



Conventional Camera



REG License Plate Capture Camera

## Results: Absolute Performance in Plate Capture Streamlines Toll Operations

- Outstanding high-speed license plate capture
- Effective operation under any lighting condition
- Higher efficacy of tolling operations
- Decreased loss of toll revenues

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