VERSILIS

Automated Lane Closure System

Versilis is a leading manufacturer of automated gates and motorway warning systems designed to protect roadway workers and travelers.

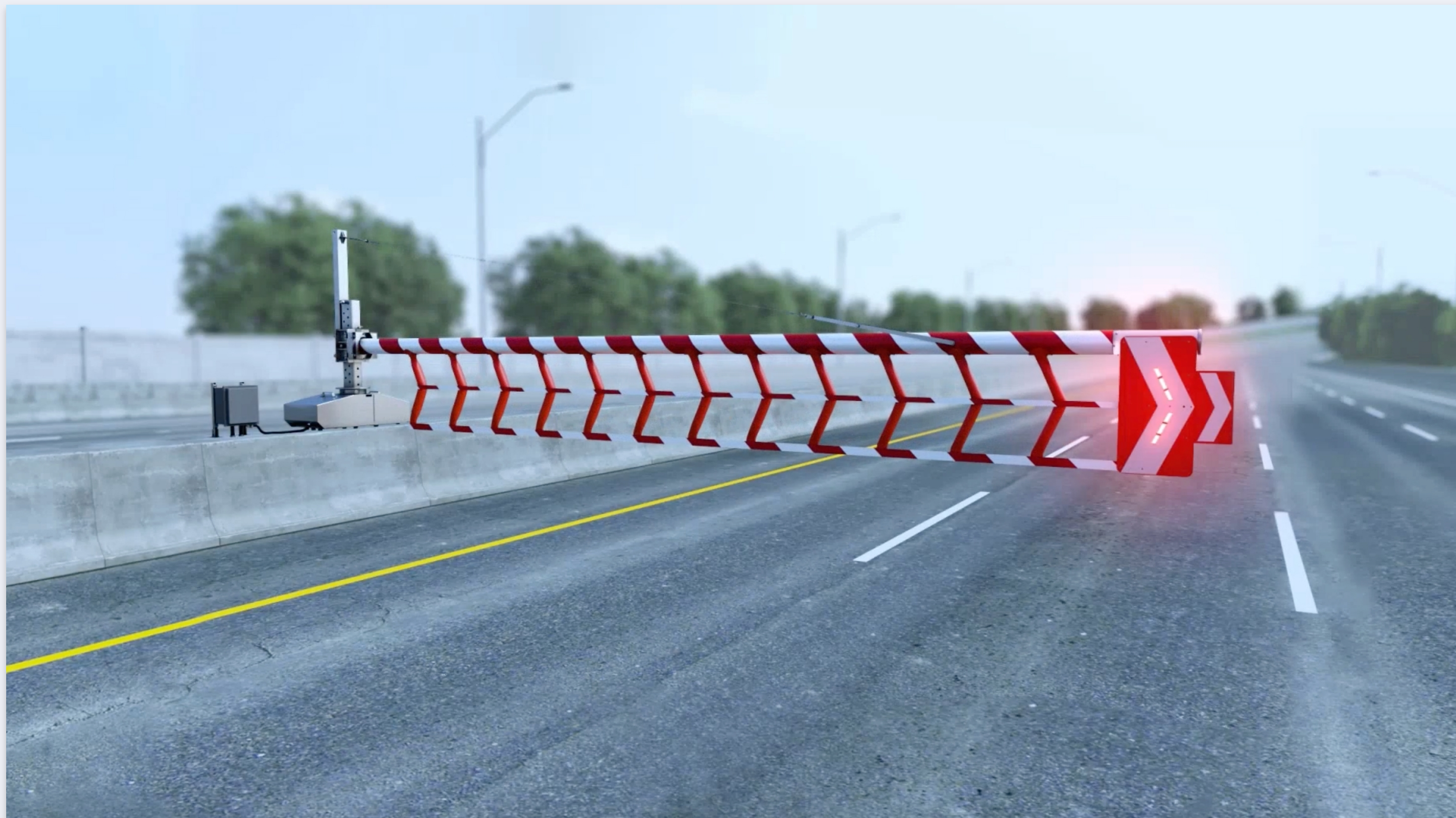**30+**
Years of experience in road safety

1000+
Gates installed

22+
Road authorities have implemented our lane closure solutions

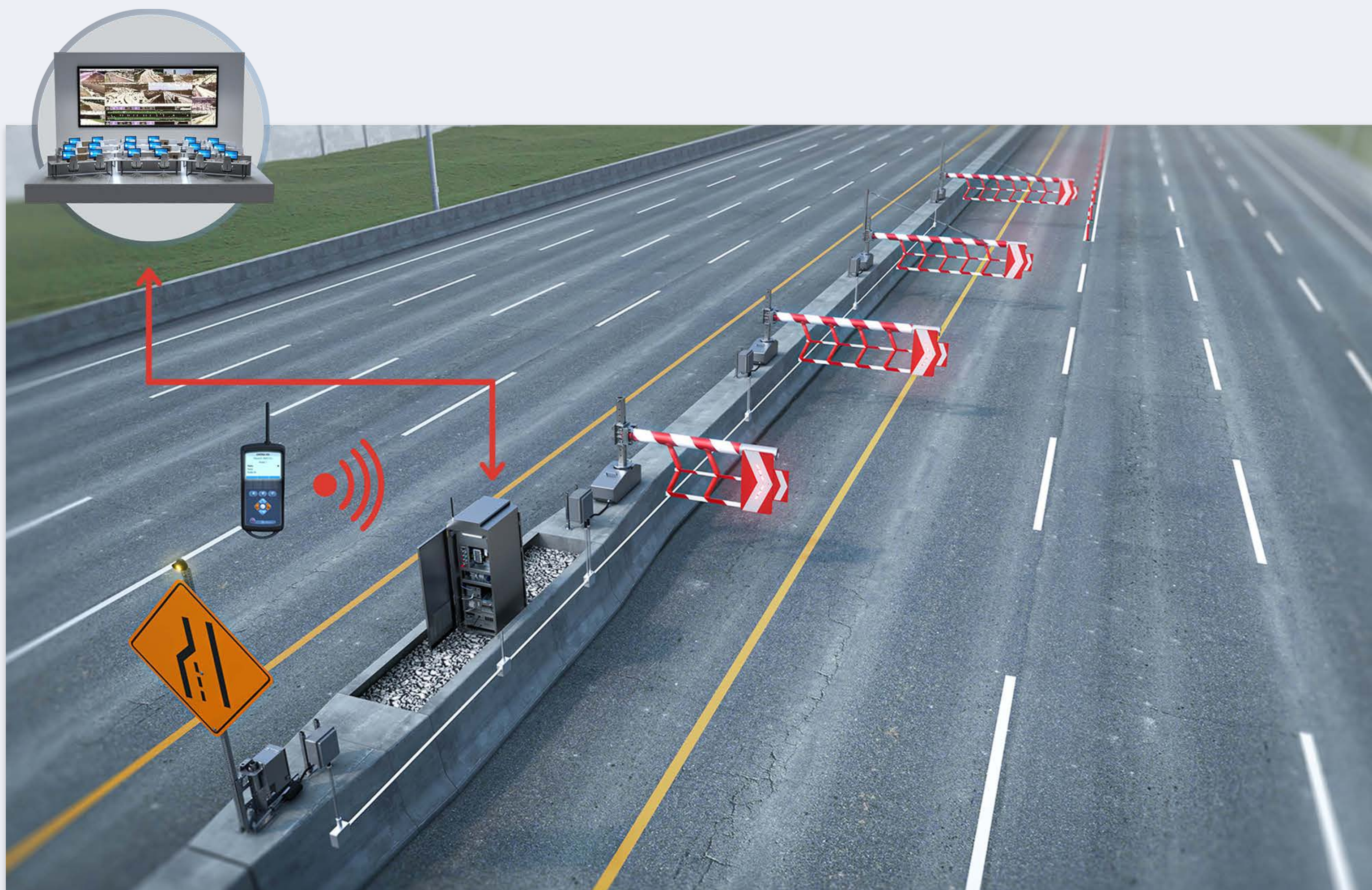# Automated Lane Closure Gates

Patented

SwiftGate™

- Horizontal crashworthy pivoting gates (from 0.6 m to 12 m)
- Crash tested to MASH TL-3 requirements (tests 3-71 and 3-72)
- Highly visible for improved compliance
- Integrated local and remote control options
- Ideal to channelize traffic

CE

Safe & Efficient Lane Closures

Versilis SwiftGate is a horizontal pivoting warning gate. Often used as a channelizing device, this gate has successfully passed traffic control device certified crash testing, complying with the highest safety standards in the industry. It is therefore deemed safe for installation in high speed facilities.

The SwiftGate is highly visible to motorists, using reflective sheeting surfaces that face traffic and flashing LED lights. Highly visible gates send a clear message to road users that a lane is closed, resulting in fewer incidents. The Versilis gate arm and end chevron offer at least 4x more retroreflective sheeting surface than a typical boom gate.
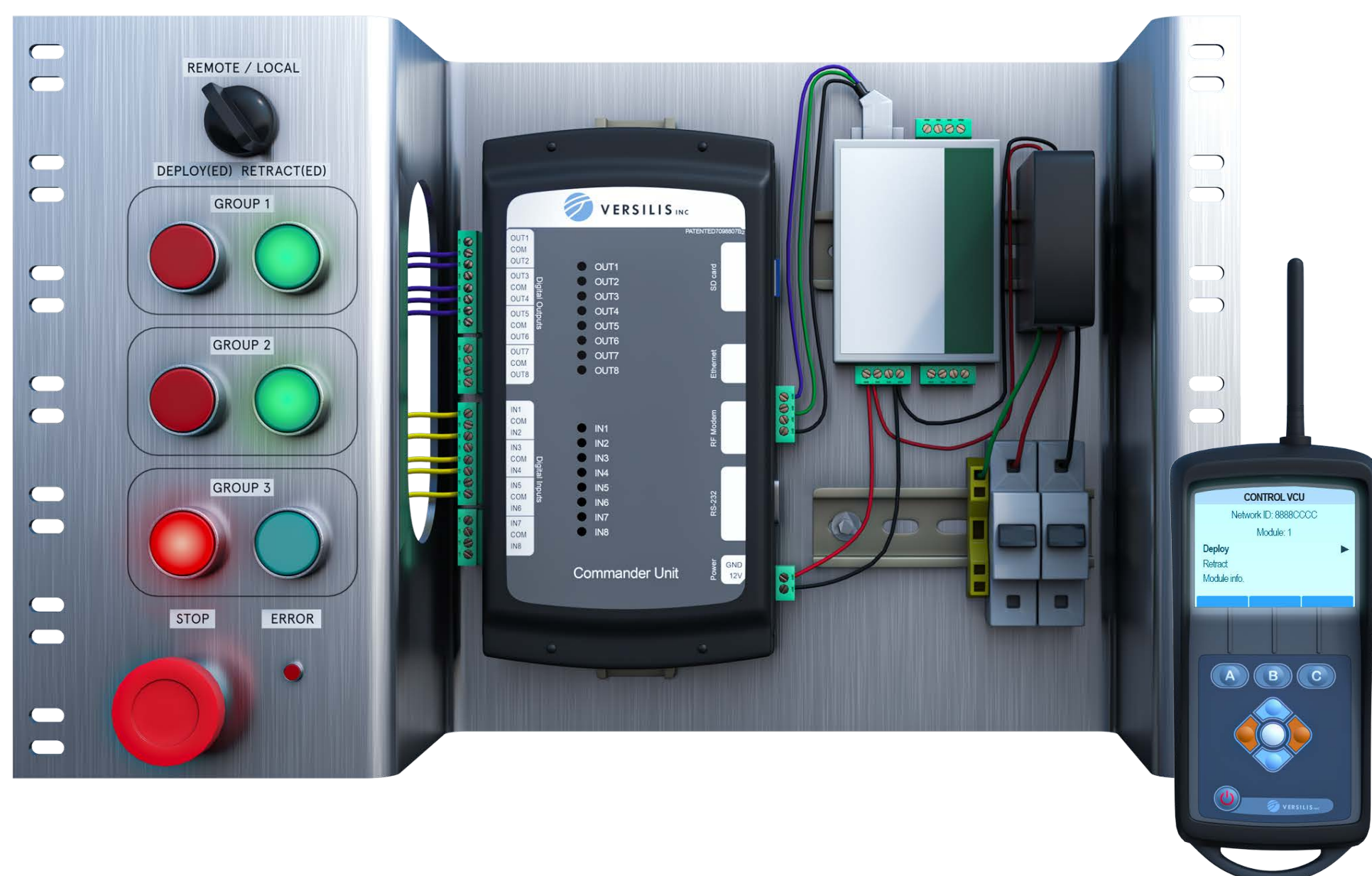

Complete System

An automated lane closure system typically includes automated warning signage, gates, and an integrated control solution. Versilis offers all system components for ease of integration and reduced implementation costs.

Turnkey Local and Remote Control & Monitoring

Clients choose the Versilis Commander and the Versilis Smart Handheld Controller to control and monitor ITS field devices, supplied by Versilis or others. Visit our website or contact us to learn how our solutions can help simplify integration and reduce implementation costs.

- Local and remote control options for all products
- Developed and tested for roadway applications
- Highly configurable for any standard operating procedures

A3 Hindhead Tunnel, England

Tunnel Maintenance & Incident Management

Not to scale

Overview

Versilis was selected by National Highways, in partnership with Kier and Highway Care, to implement the UK's first automated lane closure system. The aim of this project was to replace repetitive lane closures performed by road workers deploying traffic control equipment in live lanes during maintenance work. Now, with use of Versilis products, two series of automated warning gates facilitate the lane shifts required as part of tunnel closure operations.
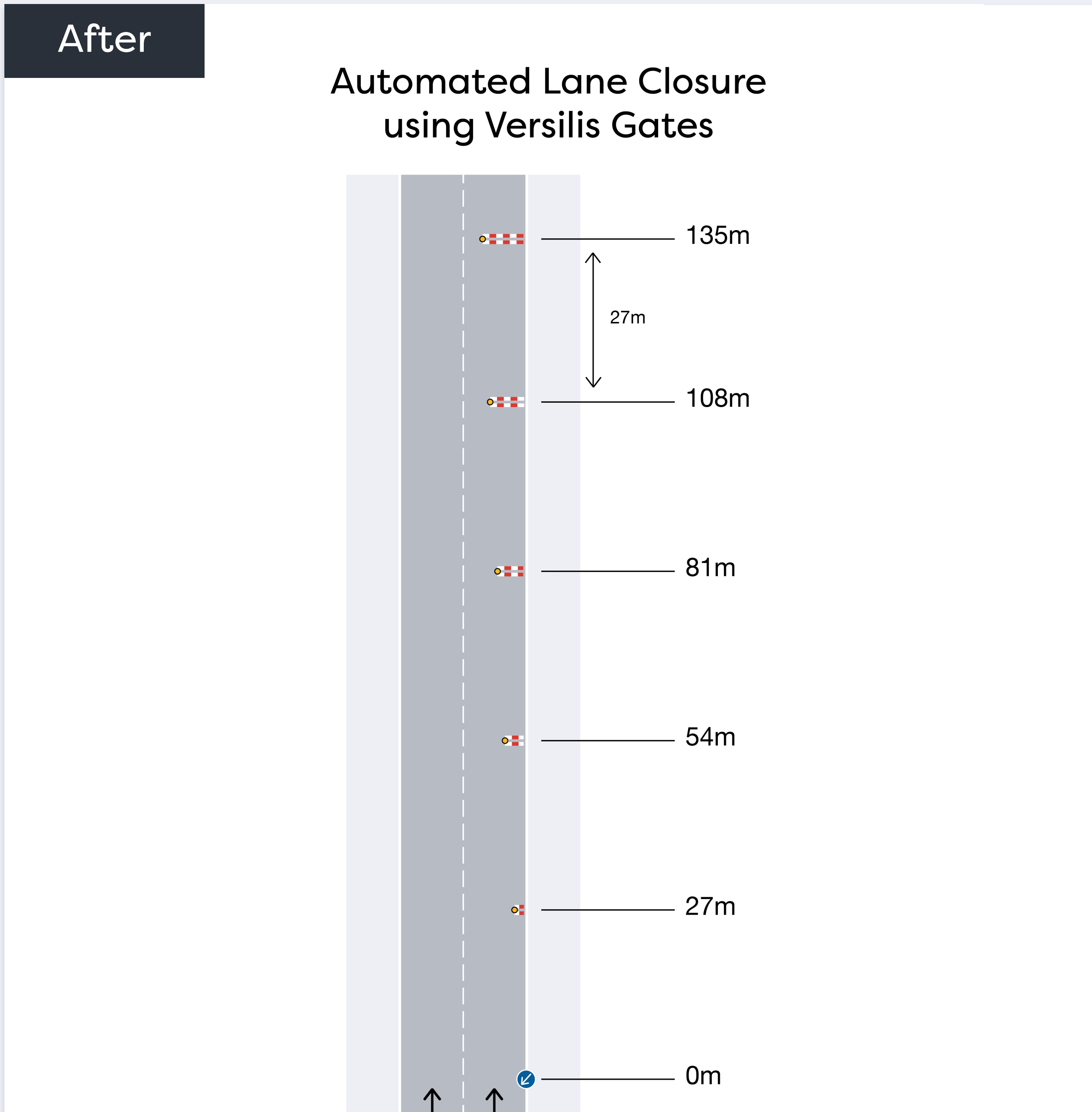
Project Scope

Versilis SwiftGate system was implemented on the north and southbound carriageways of the A3 Hindhead Tunnel. Tunnel operators use automated warning gates to safely filter traffic out of the lane during maintenance closures and incidents, eliminating the need for manual lane marking by road workers.
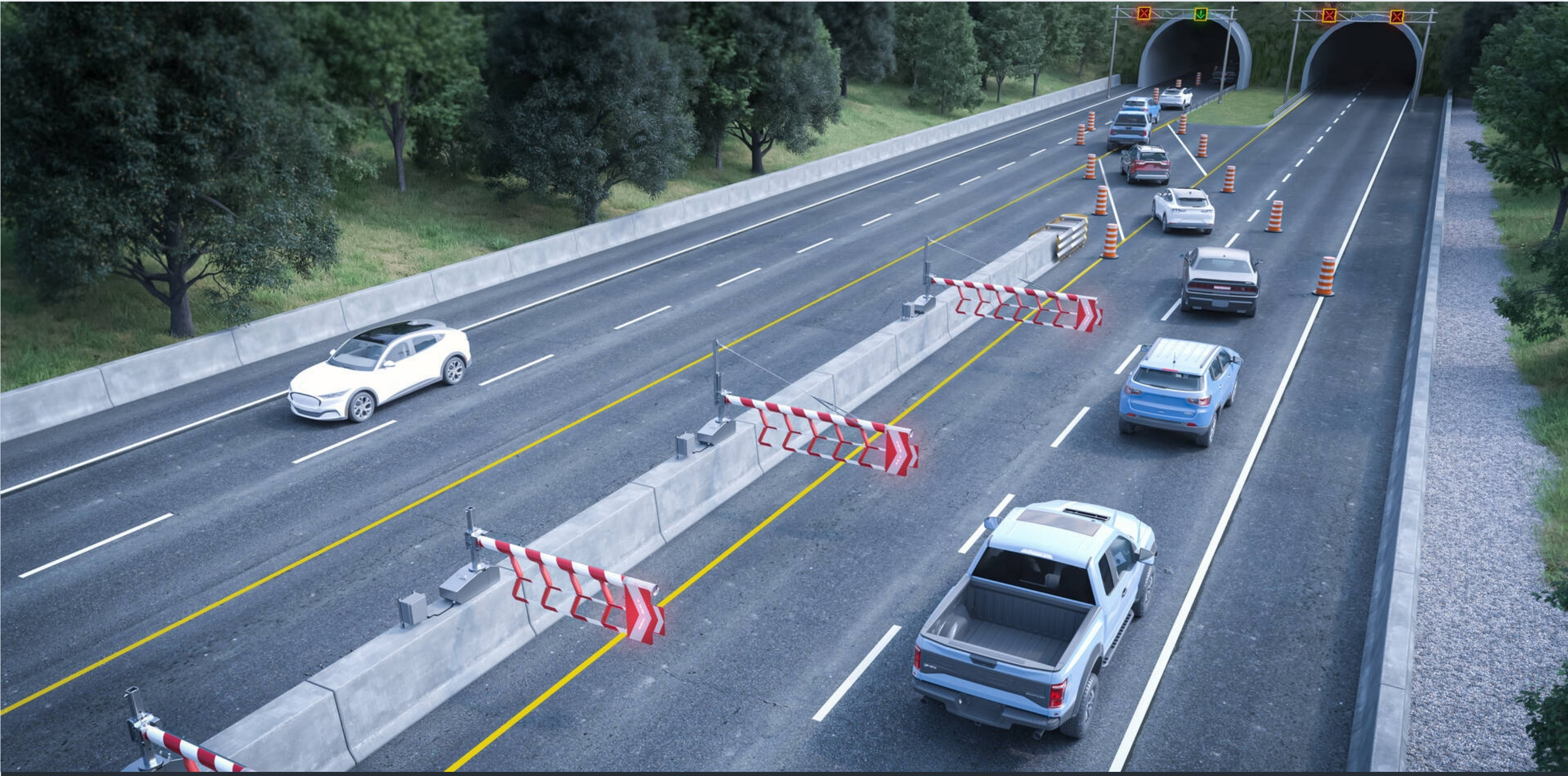
Additionally, the highly visible gates help prevent incursions, particularly at night when maintenance operations are performed. In 2019, there were 14 vehicle incursions into the tunnel during roadworks, which put the lives of road workers at risk. The new system allows rapid lane closures in 5 minutes via a smart handheld controller, improving efficiency and reducing disruption for road users.

Operational Benefits
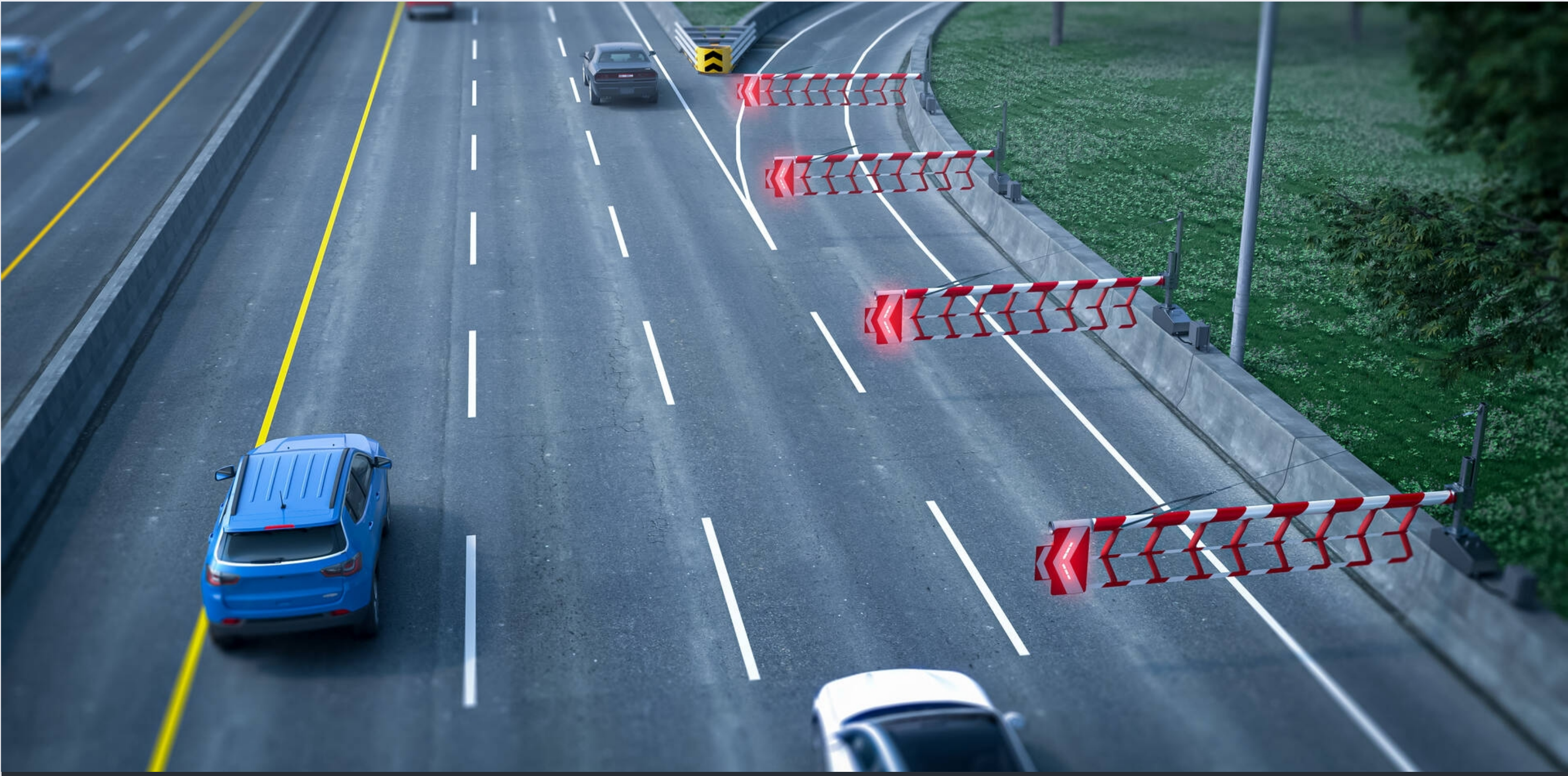
— Reduced time to setup and breakdown closures

— Increased working window

— Reduced operational costs

— Reduced fleet requirements and carbon emissions

Safety Benefits

— Reduced worker exposure to live traffic

— Increased motorist compliance

— Increased traffic fluidity

Before

Manual Lane Closure using Cones and Barricades

135m

27m

108m

81m

54m

27m

0m

After

Automated Lane Closure using Versilis Gates

135m

27m

108m

81m

54m

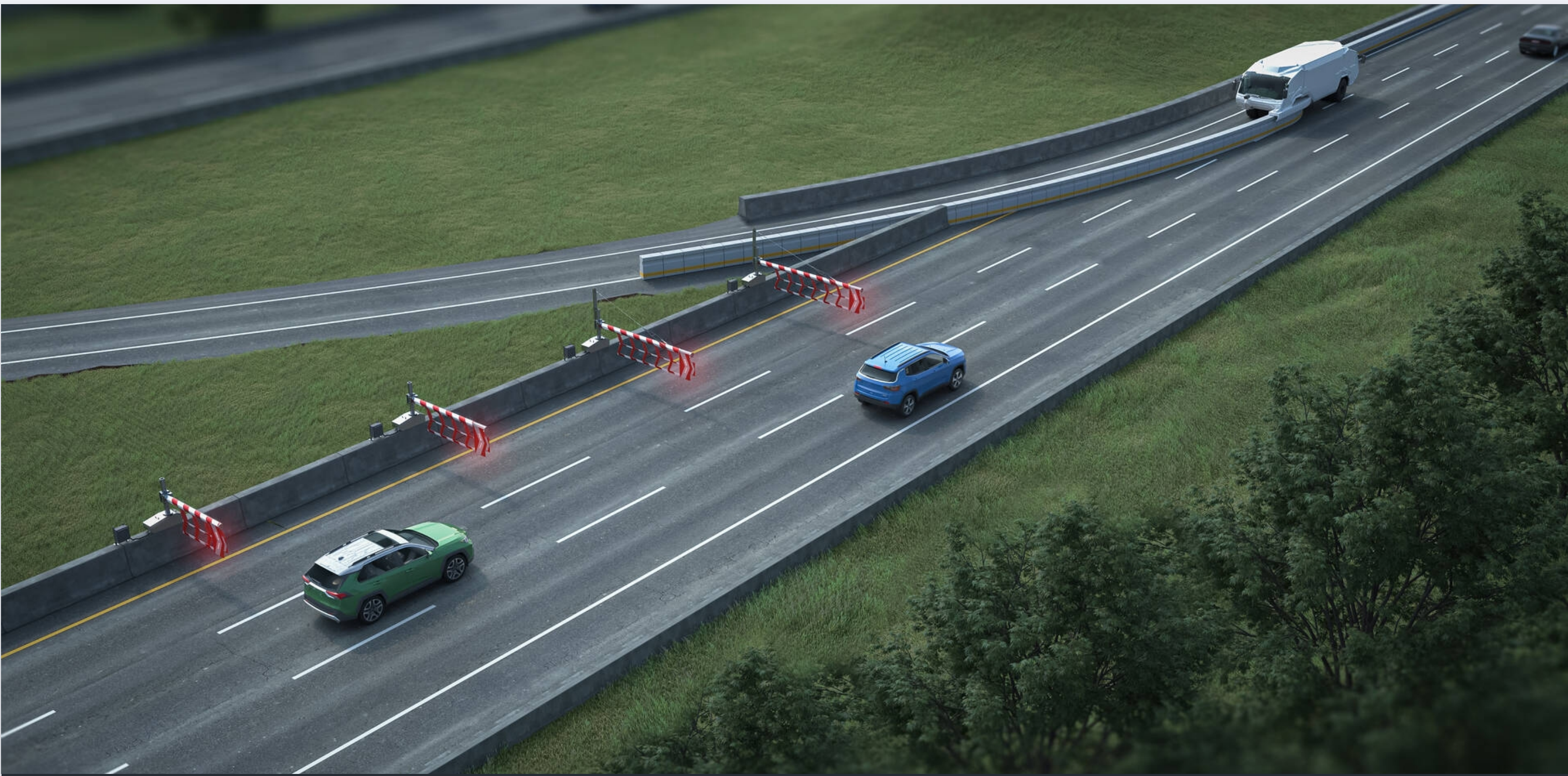27m

0m

Applications

Tunnel & Bridge Approaches

Ramp Closures

Flooded Roadways

Movable Barrier Operations

Our Services

Standard Services

Transportation Agencies, designers, and contractors can count on Versilis' exceptional support at all project stages. We are proud to be a partner contributing to your project success.

Additional Services

Designers, contractors, and system integrators can benefit from Versilis' communication integration expertise and services to deliver value and reduce risk.

STEP 1 →

Concept
GUIDANCE & KNOWLEDGE SHARING

-Suggested gate layout

-Street view renderings

-Safety guidelines

-Budgetary pricing

STEP 2 →

Design
DESIGNER TECHNICAL SUPPORT

-Standard mechanical drawings

-Standard wiring block diagrams

-Project specific drawings*

STEP 3 →

Build
TIME TO DELIVER

-Project Submittal Package

-Detailed ITS communication integration design*

-ITS Integration Test Lab for client software developers & tech support*

STEP 4

Delivery
TIME TO MAKE IT WORK

-Installation support & On-site training

-Proof of performance test

-System integration test*

-SOP testing and training using ITS Integration Test Lab*

Available as additional services

VERSILIS

For more information, visit versilis.com