

SMART LANE BOOM GATE

The Smart Lane Boom Gate (SLBG) is an Intelligent Traffic Systems (ITS) device suitable for the control of:

- Road and Tunnel On/Off Ramp Closures
- Maintenance and Construction Access
- Runaway Vehicle Ramp Closure

The SLBG improves safety, whilst significantly reducing time and direct costs associated with roadway closures.

With options for both vertical and horizontal operation, the SLBG provides a physical barrier to prevent public vehicle access during road and tunnel closures, whilst still allowing access to maintenance and construction vehicles as required. The patented carbon fibre boom of the SLBG ensures strength and rigidity, whilst keeping the weight of the boom low. This allows boom lengths of up to 10 m / 32 ft for applications requiring extra reach.

The SLBG can be used as a standalone product, or in conjunction with other Smart Lane offerings to achieve complete automated closure of roadways and tunnels.



ON/OFF RAMP CLOSURES



INCIDENT RESPONSE



**SECONDARY INCIDENT
PREVENTION**



**MAINTENANCE AND
CONSTRUCTION ENABLING**



**LOAD COMPLIANCE :
AS/NZS 1170:2002**

BENEFITS/FEATURES

- Automatic closure of roadways and tunnel access, replacing traffic cones, site crews, and response vehicles from the roadway.
- Remote controlled for quick and safe deployment.
- Load Compliance : AS/NZS 1170:2002
- Reflective aspects, lights, and chevrons based on local standards for improved visibility and traffic control.
- Booms can be replaced in minutes in the event of a collision.
- Optional In-Car remote control for allowing maintenance and construction vehicle access to closed areas.
- Industry standard control and communication for control and monitoring from any third party or integrated control system.
- PLC controlled for higher safety and reliability.
- Integrates directly into the wider Traffic Tech ecosystem of ITS Products and Solutions for Smart Tunnels and Motorways.

ABOUT TRAFFIC TECH



TECHNICAL OVERVIEW

| | |
|----------------------|---|
| Boom Sizes | 1 m (3 ft) to 10 m (32 ft) |
| Boom Material | Patented Carbon Fibre |
| Housing Material | Hot Dip Galvanised Steel |
| Gate Opening Time | Approximately 6 seconds |
| System Opening Types | All Booms Concurrent, Sequenced, and Individual Boom Control |
| Control Type | External Control Centre, Local Pushbuttons, or remote control |
| Mount Type | Jersey Barrier or Floor Mounted |
| Drive Type | Electric |
| Orientation | Vertical or Horizontal |



Traffic Tech is a specialist provider of Intelligent Traffic Systems (ITS) products and solutions to transport industries across the globe.

Our 'Smart Tunnels and Motorways' Ecosystem provides key value for:

- Government Authorities
- Asset Owners / Operators
- Major Project Constructors / Joint Ventures / Engineering Contractors.

If you have an ITS challenge you'd like us to help you with, please reach out. We'd love to hear from you.



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