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De-risking sites with Designed-in Safety



A Safe System Approach:

“...a transport system that anticipates mistakes and reduces the risk of serious injuries.”

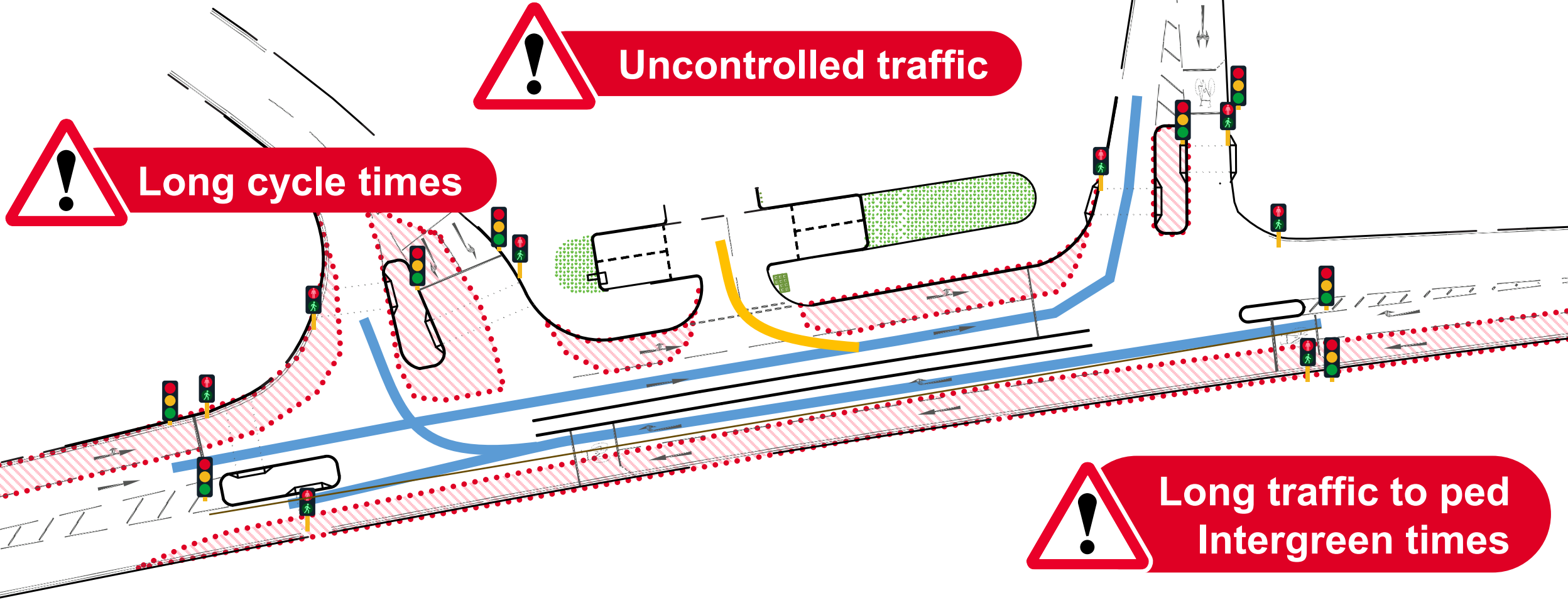
DfT, 2026

Designed-in Safety

*The process of **assessing all the risks** in a road works environment and implementing **site-specific safety measures** at the **design stage** to mitigate those risks.*

Albion Street, Brighton

TRAFFIC GROUP SIGNALS



Other examples of risks

Common risks



Long shuttles



Proximity to nearby junctions



Vulnerable road user safety



Unusual site geometry



Changing works layout

Leading to...

Blocked shuttle lanes

Congestion

Driver frustration

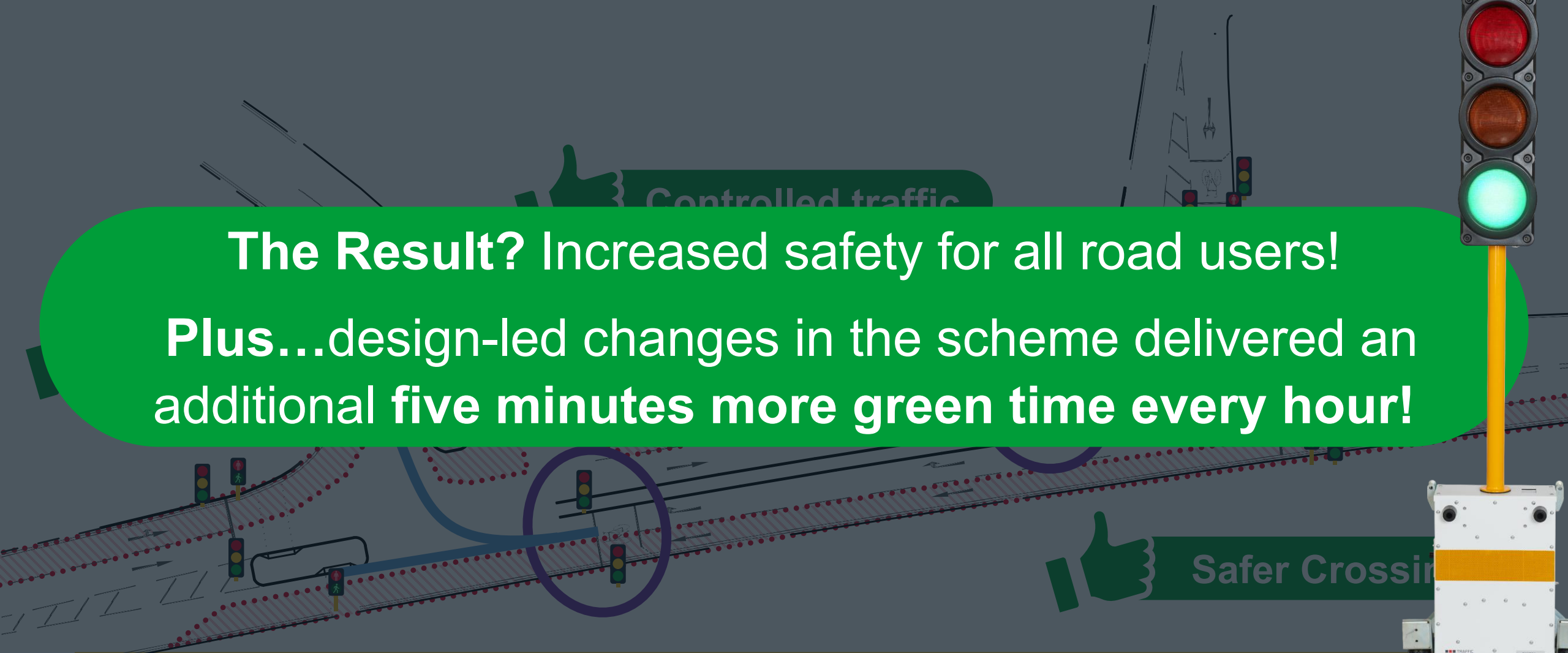
Road worker abuse

Uncontrolled pedestrians

Red light infringements






Designed-in Safety

The Result? Increased safety for all road users!
Plus...design-led changes in the scheme delivered an additional five minutes more green time every hour!



Designed-in Safety with Signal Studio™

Signal Studio Enables:






-  Permanent style, stage-based signalling schemes
-  Vulnerable Road User prioritisation
-  Designs built around site geometry
-  CLF timings plan (time-of-day flexibility)
-  Version control



The use of Stage-Based Temporary Signals can deliver an additional **10 minutes** more green time **every hour!**

Intelligence-Led Monitoring

Instead of continuous watching:

-  Automated timing changes
-  Journey time threshold alerts
-  Bot-driven intelligence
-  Telematics (battery, faults, GPS)
-  CCTV for visibility and deterrence

Monitored 24/7 — intervened by exception.



Why Pro Services?

Pro Services delivers:

- ✓ De-risked road works through designed-in safety
- ✓ More efficient traffic flow
- ✓ Technology-led safety approach
- ✓ Often lower cost than manual control
- ✓ Reduced operative exposure

Temporary signals that perform like permanent installations.



Safely delivered over 200 safer sites!

Find out more:

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Connect with me

