

Less Presence, More Progress; Efficiency Gains in Traffic Management



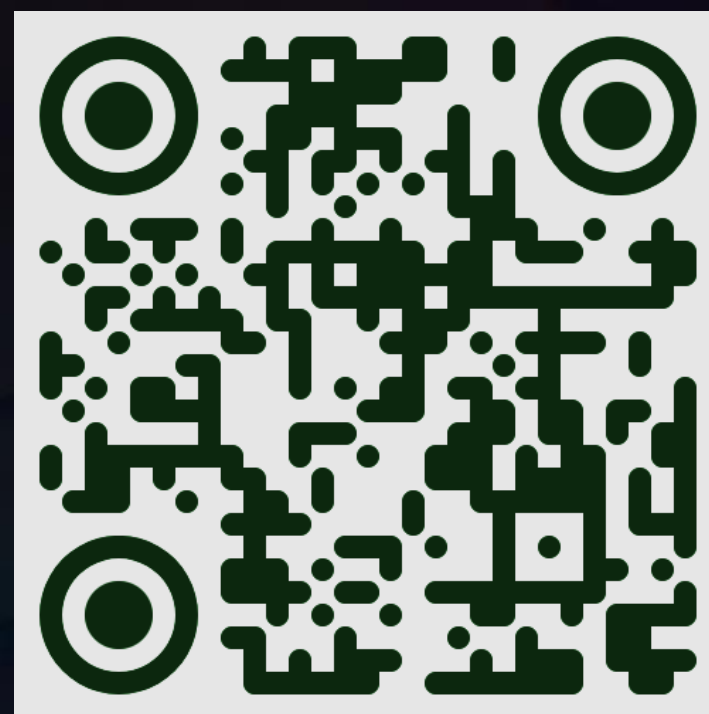
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What are your biggest concerns about temporary traffic works?



Market Conditions -

Transport

Poor condition of UK roads

AA callouts were at a **seven-year high** in 2024.

53% of England & Wales have **less than 15 years structural life left**.

An additional **£500 million** will be allocated to **maintain & renew roads** in 25/26, with investment to upgrade **cycling and walking paths**

Road conditions predicted to decline after heavy rainfall and lower temperatures. Mounting expectation to invest in transport infrastructure.

Water

Ofwat 2023 report showed a **poorer performance with repairs and leakage** preventative works compared to 2022

Ofwat 2024 **shows a significant increase in performance within mains repairs** and is reflected in permit activity with the sector

Increasing pressure from central government and regulators to reduce leakage and improvement in water supply and treatment.

Gas

Changes to power demand by the **increase in EV**.

Government plans **to increase housing stock by 1.5 million**.

Activity with the Gas sector has led the charge in permit growth in totality.

Significant infrastructure investment required to expand and upgrade electricity and gas grids.

Power

£125 million investment in establishing Great British Energy 'GBE' – a publicly owned clean energy company

£1 billion in the Government's **'Warm Homes Plan'**

The government is striving to pave the way for a new era of clean electricity.

Which of the following represent your biggest concerns regarding temporary traffic works. (Select all that apply)



Impact of Works

597 HOURS

Time a person spends per year, on day-to-day journeys (DFT)



61 HOURS

Time a person spends stuck in traffic each year (Inrix)



Fuel cost derived from being stuck in traffic, idling, for 61 hours. (Inrix)

£558



1.12 MILLION

private cars registered In Greater Manchester (DfT dataset VEH0105)

£615 MILLION

Cost to economy of Greater Manchester drivers lost time spent in traffic



1,800

manual timing permits / day

£540,000



Daily cost of traffic signal operator, based on £300 cost

25% NO SHOW RATE

where labour scarcity impacts planned work



2 LITRES

of fuel used per hour for a vehicle idling (FORS)



47,340KG

CO2 emitted per day for 1,800 operators idling in their vehicle just 5 hours per day



300

Incursions and abuse reports per week (National Highways)


Manual Control of Traffic Management

Statutory Guidance for Local Authorities NCT08b permits

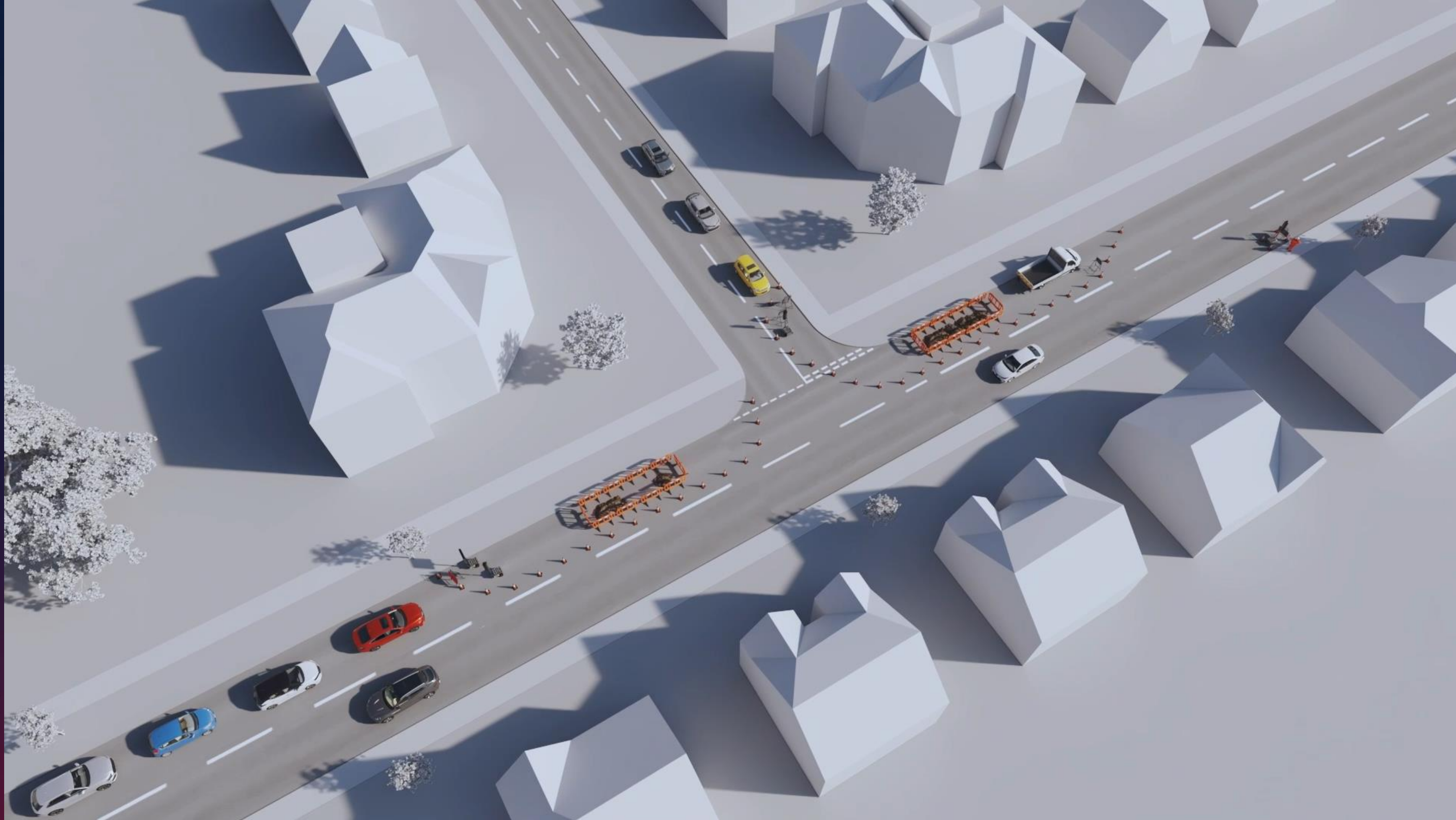
This condition is to be applied as per the instruction of the authority with the purpose of improving traffic flow. It is site specific and not applied to all permits that require the use of signals.

Example: *Manual control between 1600 hours and 2000 hours due to peak traffic flows to ensure traffic does not block junction with xxx.*

On any given day, hundreds of worksites require a traffic management operative to be on site to monitor traffic flows and react if required to minimise disruption.



9% of all permits require operators on site to proactively amend timings.





REMOS

**“Productivity growth in every
part of the country”**

(2024 Labour Manifesto)

Time for Change



Improved Safety

Remove onsite personnel, minimise exposure to traffic hazards and improve worker morale.



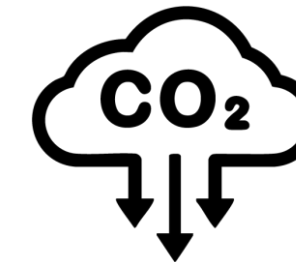
Scarcity & Cost of Labour

Remove the need to have an operative on every site.
What if one person could manage several sites simultaneously?



Improved Traffic Flow

Allow for more interventions and bottleneck elimination.



Reduced Emissions

Fewer visits to site, and reduced vehicle idling contribute to a greener environment.

Improve public perception by increasing safety and performance



Important Considerations



Training

Lantra M1 - M7 - NHSS12D M7
Introduction to Traffic Signals
SIA CCTV Operator Training



Security

UK Surveillance Camera
Commissioner's guidelines
BS 7958:2015

HTTPS/SRTP protocols
Compliance with Section 889
NDAA National Protective
Security Authority NPSA rated



Reliability

Complete network coverage
High-speed data transmission

Uninterrupted power supply
(with backup)

TOPAS2540A



Stability

Guaranteed picture and
streaming quality

Minimal latency

Tried and Tested

NEC, Birmingham

The technology delivered a noticeable improvement in traffic flow while reducing the need for on-site operatives conducting manual timings.

This trial demonstrates the potential for a game-changer in temporary traffic management

Traffix