

## CASE STUDY

# Enabling efficiency improvements in highways maintenance and construction



## Project Overview:

Providing increased network availability for highway maintenance and construction works requires careful planning, accurate data, clear processes and a deep understanding of safety, efficiency and customer service.

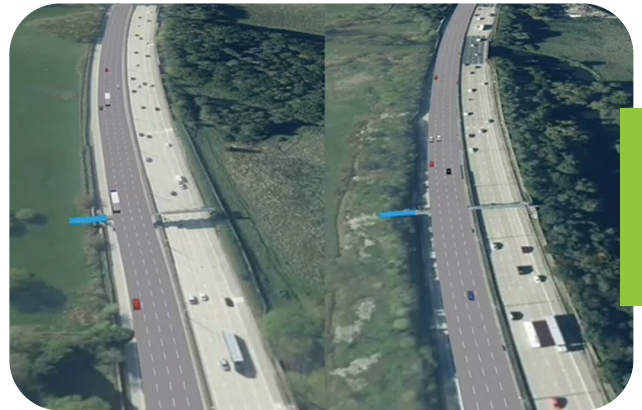
Working in collaboration with Connect Plus Services, National Highways and HW Martin Traffic Management, Fewzed project managed a programme focused on increasing the amount of time that roadworks could be placed on the road network for without increasing the risk balance between road user and road worker negatively or impacting on road users experience travelling through these sites.

## Project Scope:

The project was centred on relaxed overnight roadworks across the UK's busiest road, the London Orbital M25 and began in 2021.

The project scope included:

- Hazard identification and analysis
- Safety Risk Assessment (SRA)
- Development of trials methodology
- Traffic Modeling
- Management of operational trials teams
- Management of data analysis process
- Data analysis and statistical assessment
- Reporting and stakeholder engagement



Developing and managing the safety approach and being responsible for Safety Risk Assessment to National Highways GG104 standards was a key requirement for this project and the experience and knowledge of the Fewzed team ensured successful delivery.

The on-road trials were composed of control and experimental phases to be able to assess driver behaviour, lane changing behaviour and safety related instances. The project team developed a data strategy and success metrics and managed a safety review group to provide expert stakeholder governance.



## Project Outcomes:

Phase 1 trials identified an increased working window and site efficiency of in excess of 16% with no significant impact on safety of road workers or road users. The project also identified other opportunities to improve site efficiency surrounding communication and business planning and systems which will be investigated further by the project team.

Fewzed are pleased to continue work on this project as it moves into further phases with the ultimate aim to utilise the methodology across the National Highways network wherever appropriate.

## Get in touch for assistance with a similar initiative

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