CASE STUDY

Stopped Vehicle Detection System Test and Development

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Project Overview:

Working with Galliford Try Construction on the M49 Avonmouth junction development project we developed and managed a trial of stopped vehicle detection (SVD) technologies to help increase safety during roadworks and assess the technology's viability for future projects.

Project Phases:

The project was divided into three phases (a) design (b) feasibility trials (c) assessment and reporting. The project team developed a trial and assessment methodology and statistical analysis approach and also managed the integration of detection equipment on zero-emission solar power generators and on-site commissioning.

During trials the sensors provided an additional layer of incident identification to ensure safety of the road users but in numerous cases were able to identify the incident or the by-products of the incidents (slower vehicles and changes in lane occupancy) quicker than traditional CCTV and regular inspections by operatives.

Project Outcomes:

Data analysis and statistical assessment was conducted and the project successfully identified the benefits and disbenefits of each of the detection technologies and provided a framework for assessing and defining the suitability of SVD for roadworks.

Alongside increasing the understanding of incident technologies for roadworks scenarios the project was also successfully able to detect numerous high-risk scenarios and alert specialist Traffic Safety and Control Officers who co-ordinated an efficient and effective protection and recovery response. The project also won the National Highways '**Customer Focussed Network Management**' award.

Get in touch for assistance with a similar initiative

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