MobileVMS
Intelligent Transport Solutions

CASE STUDY

September 2020 - ongoing

Photo Credit: Visual Imagery

Stopped Vehicle Detection: A38 Chudleigh Forest TM/ M45 Chevron

PROJECT OVERVIEW

Mobile VMS have collaborated with Alliance Stopped Vehicle Detection Providers Clearway and WJ/ Navtech to ensure automation of advance warning signage with increased customer safety and enhanced experience in relation to road conditions ahead. The advanced warning Stopped Vehicle Detection (SVD) integration was initially trialled on the M4 3-12 and further projects incorporating SVD Advance Warning include A38 Chudleigh and M45 Area 7 Embankment. The automation removes the need for control room input and can save valuable minutes with real-time warning messages triggered on the advance warning variable message signs (VMS). Mobile VMS are currently examining whether it would be possible to provide distinguishing messages in relation to stopped vehicles and obstructions / debris in lane ahead. This is important information for both project teams and the motoring public and will have a positive impact on driver behaviour, eliciting a road condition critical message. All messages are logged and tracked through our JamLogic software, providing an additional layer of reporting in terms of incident management. The times and dates of message activation are available post-project in line with legal obligations. Key alerts are also triggered via email / text message and sent in real-time to the project team. The alerts are also logged.

> *Working with Mobile VMS on this project was a seamless exercise. We jointly surveyed the site to strategically position the VMS signs to deliver the maximum possible advance warning for the road users. Delivery was smooth and integration effortless. The system delivered for roadworker and road user safety, leaving the client and National Highways very happy.*
>
> **Tom Howarth – WJ ITS Manager**

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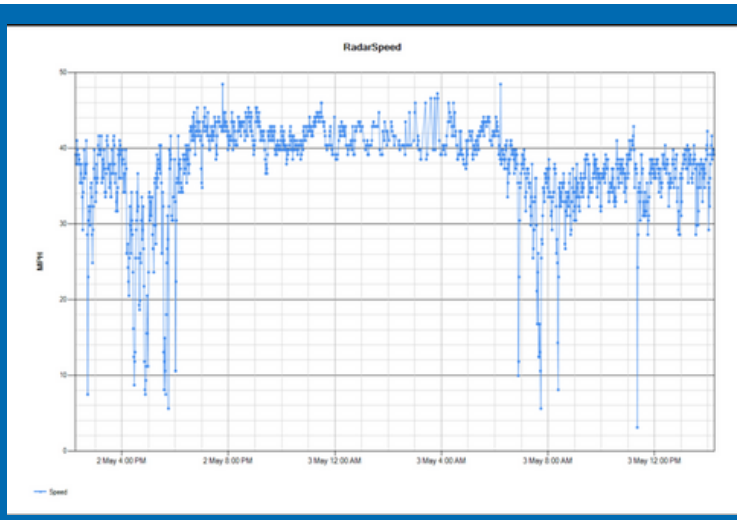
Microwave Sensors for M6 21A-26 Traffic Study

Costain also utilised our microwave sensors prior to the commencement of the M6 21a-26 SMP Alliance scheme. The M6 J21a-26 is currently utilising microwave traffic sensors, mounted on our solar-powered intelligent platforms (no additional fuel sources due to solar optimisation). These sensors provide speed, count, classification, vehicle gap and headway analysis, using bi-directional flow across all lanes. The data is critical to the decision-making process in respect of diversions.

The dynamic diversion system can control traffic flow on the mainline and make the best use of road space and diversion routes. The microwave radar data is all recorded and analysed through our JamLogic software, the same software is currently being used on the Alliance M6 project alongside the journey time provision. Having one platform for the control and management of critical roadside data is crucial. The system provides full reporting for the client.



We also provided a detailed baseline study of traffic on the M6 21A-26 in advance of the scheme commencement, assisting the Traffic Management team in evidencing an additional hour of overnight closure opportunity. This was incredibly beneficial to the scheme, allowing greater efficiencies and timely completion of works.