



Traffic Solutions Consultancy Services

Case Study: Cardiff City Centre

Traffic Engineering, SCOOT & Strategy Management

In 2009/10, Consultancy Services completed a major transport improvement project in Cardiff City Centre in partnership with Birse Civils Ltd.

The project was part of the Castle Quarter and City Centre Development aimed at improving transport links to Cardiff castle and the city centre and improving pedestrian links between the castle and retail areas whilst maintaining an aesthetically pleasing environment that complements the historic nature of the streets.

The improvements involved the re-design and upgrade of nine traffic signal sites including junctions, pedestrian crossings and a bus gate.

Consultancy Services were involved at all traffic engineering related stages of the development from conceptual design of the junctions and pedestrian crossings through to site commissioning and system configuration.

Our detailed traffic signal design package included AutoCAD (KeySignals) site layout drawings, TR2500 controller configuration forms, information on the requirement of connection to services including electric supply and Cardiff City Council fibre optics communications network for UTC.

Following commissioning of the sites, our experienced engineers completed the configuration of the Cardiff UTC system and SCOOT validation. Strategy development using Cardiff's Comet database allowed the operation of the sites across the network to be modified depending on specific conditions and fluctuations in traffic flow.

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