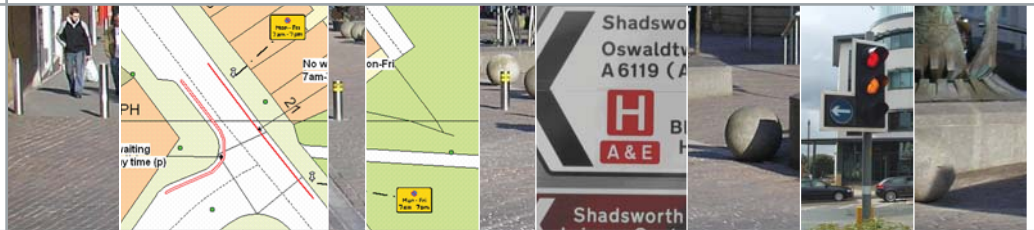


# traffic consultancy

Traffic engineering is an essential part of the successful movement of people and goods. Whether within private developments or on the highway network, the input of traffic engineers is a crucial part of managing the conflicting needs of all road users. The assessment and design from professional engineers is therefore a key requirement of managing the needs of all road users to ensure smooth operation.



We provide a range of traffic engineering services for clients within the public and private sector offering advice, technical support and design for projects on proposed layouts or delivering improvements to existing layouts.

Our traffic team provides solutions that improve the management of roads and car parks, ensuring that all road users and stakeholders gain the maximum benefit from roads, streets and parking areas. Our expertise allows us to work with clients from initial project conception through to successful completion.

This service includes assessment & design of:

- parking provision
- traffic management
- traffic regulation orders
- directional signing
- road markings
- bus and cycle facilities
- pedestrian facilities
- local safety
- urban traffic control
- traffic signals
- accessibility

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successful people, projects and performance



## Bespoke Enforcement Signage

Following the award winning multi-million pound regeneration of the Church Street area within Blackburn Town Centre, Capita Symonds was commissioned to ensure that the traffic regulation orders applied within this conservation area were enforceable. The Council however stipulated that no road markings were to be used. The result was a bespoke 'restricted zone' approved by the Secretary of State which distinguished multiple restrictions clearly for the public whilst not impacting on the visual impact of the area.



## Bespoke Residents Parking Schemes

Capita Symonds successfully achieved Secretary of State approval, on behalf of Blackburn with Darwen Borough Council, to provide a bespoke parking scheme that addresses the needs of the local community whilst minimising the impact on the street scene. We worked with the residents, local councillors and parking services to develop a permit parking scheme which provides the necessary amenities for residents and businesses in the Ewood area. The use of signage only removed the need for miles of lining. This not only drove down costs for the Council but reduced the visual clutter on the highway for the residents.



## Traffic Management (PennineReach)

As part of the Major Scheme Business Case for the East Lancashire Rapid Transport proposals we completed a study of the effects of introducing bus priority measures along the route on local communities. This culminated in the identification of traffic management measures to enhance the circulation of traffic throughout the residential areas affected by displaced traffic. Assessments of the proposals impact on network performance were undertaken through traffic impact assessment and appropriate junction modelling techniques.



## Directional Signage

Capita Symonds was commissioned by A1+ on behalf of the Highway Agency Area 10 to design tactical diversion route signing for Area 10 including the M6, M62 and M65, through areas such as Warrington, St Helens and Blackburn with Darwen. Designs for approximately 500 signs were delivered within 3 months of the commission.



## Parkmap

Through the use of the Parkmap software we have digitally recorded all of Blackburn with Darwen Borough Council's traffic regulation orders. The software allows the traffic department to analyse the restrictions and create detailed plans for clients and the public to show existing and proposed restrictions. The accessibility of this information has allowed the decriminalised parking enforcement of restrictions within the borough to be effectively carried out.



## Signplot

Whilst meeting the requirements under the Traffic Signs Regulations and General Directions 2002, Capita Symonds produces a wide range of sign designs. Using Signplot allows the department to integrate enforcement signage into Parkmap allowing clear identification of restrictions. Signplot is also used to create the bespoke directional signs for the borough. The department also carries out comprehensive signage reviews on defined areas ensuring that any needs in the area are met whilst also meeting the legal requirements.



## Traffic Signals / Systems

Providing a range of services in the area of traffic control, we can provide specialist services in design, maintenance and management. Under the umbrella of Urban Traffic Management and Control (UTMC), we provide specialist services in the design, commissioning and implementation of urban traffic control and SCOOT systems including validation and complex control strategies, bus priority systems, traffic signals design and maintenance, ANPR, CCTV and Variable Message Sign systems and the various associated communications media required for today's network management needs. Capita Symonds designed and implemented an area wide network of 26 wireless CCTV & ANPR system for Greenbank EDZ which is monitored at Greenbank Police Station. This system has been instrumental in assisting the police in the capture of known offenders.

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