

VEHICLE ACCESS CONTROL

A number of restraint-based measures can be used to reduce or re-distribute demand for road use. One such measure that is receiving increasing attention is vehicle access control. This involves confining access to certain areas or roads to particular types of road users or vehicles.

Vehicle access control can be used to reduce congestion, to improve town and city environments or to increase safety. We have experts within TTR who have worked on schemes and studies that control access according to a range of criteria, including vehicle emission standards and vehicle types.

We offer services in areas such as:

- Stakeholder consultation
- Public acceptance and attitudes
- Scheme design
- Implementation issues
- Cost and benefit estimation
- Feasibility studies of schemes
- Administration and enforcement of schemes
- Technology and systems

The following are examples of projects we have undertaken:



Clear Zones Initiative

TTR manages the development of the Clear Zones concept and network on behalf of the Department for Transport (DfT). This includes the launch of the Clear Zones Trailblazers sites. The Clear Zones approach involves implementing measures such as access control and re-allocation of road space to create traffic-free areas in towns and cities. Website: www.clearzones.org.uk

Low Emission Zone for London

TTR was one of a number of partners that carried out a major feasibility study for a Low Emission Zone (LEZ) in London on behalf of Transport for London, the Association of London Government and the Greater London Assembly. We focused on implementation issues with respect to the LEZ, looking in particular at operational models, enforcement issues, and design and implementation aspects.

Guidance on Vehicular Access Control

As a result of our leading work on access control, we were appointed by DfT to develop guidance for local authorities on vehicle access control and its use and implementation. The guidance is under development through a process that involves detailed case studies of access control schemes in the UK and overseas and consultation with leading stakeholders and actors in the field. It will cover legal issues, the availability and use of appropriate technology, signing, design and layout of access points to support compliance, and the wider socio-economic impacts of schemes including public acceptability.



Low Emissions Zones

TTR has worked with the National Society for Clean Air on the development of the Low Emission Zone concept since 1998. The work has involved examining the practical and technical issues concerning LEZ implementation. We have produced an easy to use emissions modelling tool for local authorities for screening LEZ or traffic management measures for potential air quality impacts. We have also provided site specific advice, monitored the progress of schemes and widely promoted the LEZ concept. Website: www.nasca.org.uk/lez.htm

VIVALDI

Within the EC supported VIVALDI project on clean urban transport demonstrations, TTR lead the work package on access management. The key demonstration measures being implemented include a Clear Zone and Home Zone in Bristol, an access strategy for a university campus in Nantes, and access management in a residential area in Bremen.

Cambridge Home Zone

TTR helped Cambridge City Council to identify the need for the city's first Home Zone, and its potential scope. We also undertook consultation with stakeholder groups and local residents.



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