

BUCHANAN
COMPUTING



*Software solutions
for traffic professionals*

Traffic Signs and Road Markings

The importance of correct signs and markings to the safety and usability of the road network cannot be overemphasised, yet many authorities admit that their signs and lines and their records of them leave much to be desired.

The name Buchanan Computing is synonymous with excellence and accuracy in the field of traffic signing software. The UK's most comprehensive range of systems for signs and lines on the highway is provided and supported by our signing specialists, who value their contribution towards improving the nation's signs and markings.



Our systems can be used individually or linked together to cover every aspect of sign network planning, design, computer-aided manufacture and ongoing maintenance. Our close relationship with the Department for Transport (DfT) ensures that we are always one step ahead of changes to national and European



standards. We believe in making design as simple as possible by incorporating the relevant standards and guidance within the software. **SignPlot** and **LineMap** include the complex spacing and layout rules of the 2002 Traffic Signs Regulations and use them automatically when needed. This makes the software quick and easy to use, allowing even novice users to produce competent designs quickly and with minimal training.

SignRoute is a unique product, which in one seamless step enables routes for directional signing to be designed with continuity assured, and finished sign face designs generated automatically. **SignMap** provides an innovative tool combining signing scheme design with a permanent inventory for maintenance and record keeping, all linked directly to the map location.

Buchanan Computing

Buchanan Computing is the UK's leading supplier of software for traffic professionals. For over 15 years we have been applying new advances in computer technology to the areas we know best – mapping, design and data management for the highway.

We have a range of over 25 products and modules for the traffic and transportation industry, serving the needs of traffic professionals in local authorities, police forces and consultancies throughout the UK.

Our products combine ease of use with the power to analyse complex data. Computer mapping is the core of most of our systems, collectively known as **TraffMap, providing the focus of data processing and visualisation.**



Successful Products

Development work at Buchanan Computing is carried out by combining the experience of software specialists with that of traffic engineers and statisticians, many of whom have worked in local government. We work on producing the software that we felt was previously missing from this environment, and which can be used without CAD or GIS expertise.

We back up our own experience with extensive input from our clients, making the ongoing improvement programme largely user driven. This interaction ensures that our products are closely attuned to real-life needs, and cater for the requirements that our users have expressed.

Software Benefits

Benefits from choosing Buchanan Computing products are both long and short term. They include reducing the time and tedium involved in performing routine tasks, offering a greater range of functionality, and providing better information management. An innovative feature of our products is the ability to combine the process of design and change with the keeping of a permanent inventory. For example, in **ParkMap**, there is no further work needed to update the map-based record when a proposed traffic order goes live. This saves a lot of time by avoiding the needless duplication of data entry into separate systems.

Our systems allow users the freedom to configure many features to their individual requirements. This includes queries, map layout and data entry fields. As a result, our systems are flexible whilst retaining the core functionality that all users need.

Support and Service

Buchanan Computing offer a well-regarded and extremely effective support and maintenance service. Over 98% of our users opt to renew this service each year. Users receive:

- comprehensive support by telephone, email and fax;
- free attendance at User Group meetings;
- free software upgrades incorporating enhancements and changes needed for national standards or legislation;

- savings on the cost of additional licences;
- advice and information on national events and new products;
- access to our comprehensive training programme;
- on-site support services at preferential rates.

User Group meetings offer the chance to influence the development of the software, to meet other users and the Buchanan Computing team, and to see previews of new products. Lively question and answer sessions cover both the applications and the underlying tasks to be accomplished.

Regular Updates

As part of our maintenance and support agreement, users receive new versions of software automatically and free. Once a product has been purchased there is no need to worry about future changes in regulations, as these will be taken in to account as part of product updates. Users of AccsMap for example, have no additional expense to meet when the national Stats 19 format is changed as a result of a Quality Review.

Training

We offer a full range of interactive courses and organise tailored training to meet specific needs. This can include focusing on a particular location as the study area and inputting real data. The venue can either be users' offices or our training centre.

Bespoke Development

We are happy to help when users have specific tasks to accomplish, by tailoring an existing application or developing a connected module. Development also includes complete bespoke projects and interfacing with legacy systems. We offer an expert but friendly and flexible approach to software development that does not assume any technical expertise from users.

Road Safety



For improving road safety, local authorities and the police rely on timely access to accurate road collision data in order to best target their limited resources.

Buchanan Computing have been involved in road safety software for more than 15 years. Our popular **AccsMap** system was developed specifically to meet the needs of UK police and highway authorities. It is designed to make the

complex 3-tier structure of Stats 19 data (accidents, vehicles and casualties) simple for end users, allowing them to make queries at any level.

In addition to flexible cluster identification, ranking, tabulation and site monitoring, it offers comprehensive input, Stats 21 validation and DfT export.

The 'netting off' module provides Safety Camera Partnerships with all the necessary tools to evaluate and monitor potential camera sites, whilst case tracking facilities enable the police to record witness statements and manage correspondence arising from collisions.

Parking and Traffic Orders



For over 5 years Buchanan Computing has been the clear leader in mapping the UK's on-street parking. Our expertise in tailoring software to the specific needs of those involved in parking and traffic orders saves countless hours for hundreds of local authority users.

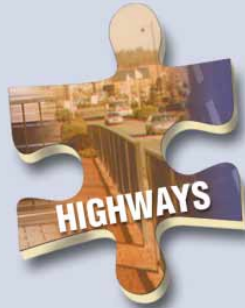
ParkMap is revolutionary in that it links the legal orders to a map-based representation of the lines and plates. The order-making process is integrated with the permanent inventory records, to ensure that they are always up-to-date and data entry work is minimised. ParkMap is able to draft consolidation orders without re-entering any data. These and other functions such as links to ticket processing systems, have led to major productivity gains.

ParkMap can automatically generate the parking plate designs to TSRGD 2002, and the finished traffic order schedules. It links with our other systems, including LineMap, (a road marking design tool), and assists in public consultations by producing clear and accurate drawings. ParkMap is the recognised standard for efficient authority-wide management of on-street regulatory measures.

Highway Status and Legal Procedures

Keeping track of the current status of roads and managing the legal process of highway adoption can be costly and time-consuming. **HighwayMap** solves these problems by combining the provision of a clear visual record of the extent of highway boundaries with the automation of administrative procedures, such as those under section 38 of the **Highways Act 1980** and other relevant national legislation.

In addition to providing a comprehensive map-based record of highway status, HighwayMap can be used to generate legal documents and correspondence, to give reminders of deadlines and to collate address details for public consultation.



Traffic Monitoring

The use of registration plate surveys is growing, with the analysis of parking in residential areas and monitoring of bus priority measures joining the traditional need for origin-destination and car park information.

Known and used throughout the world, **MicroMatch** is the definitive system for registration plate analysis, with its data format an industry standard. MicroMatch combines the validation and analysis of traffic surveys with powerful graphics and database facilities.



Inventory Mapping

Knowing the location and status of assets and when they were last inspected or are due for maintenance is essential for good asset management.

Buchanan Computing saw the value to traffic professionals of having a comprehensive map-based street inventory, and so created **InvMap**. This easy-to-use tool can also record traffic surveys, safety audits, tree preservation orders, and any other street feature, allowing users to carry out informed decision making, whilst providing the security needed for effective sharing of information.

Clients

Buchanan Computing has an outstanding client portfolio that includes most of the organisations that are involved in highways and transportation, including:

- The Department for Transport and its agencies
- National governments
- Police forces throughout Britain
- All English county councils
- All London boroughs and Transport for London
- Most Scottish unitary authorities
- Over half of Welsh unitary authorities
- More than 100 English district & borough councils
- More than 80 transport consultants
- 25 plus sign manufacturers



Software solutions for traffic professionals

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