- Variable message signs installed around the city centre and Ring Road inform people of traffic problems, forth-coming road works and events.

Money saving technology

- All communications to traffic signals are now digital, using wireless systems and saving on revenue costs

- The new system has increased resilience as standby timings can be downloaded regularly to signals.

Bus priority.

- Controlling bus gates

- Implement local bus priority schemes involving traffic signals.

- Use automatic vehicle location systems and locally developed software (SPRUCE or TLP) to ensure priority greens at signals

- The same technology is also used for Fire Engine priority

Leeds Urban Traffic Management & Control
Fact sheet

Everyone wants to get around easily - this is important to make a city pleasant, safe to live in, efficient for business and new growth.

UTMC plays a key role in making that happen!

UTMC is responsible for most things to do with traffic lights at junctions and signalled pedestrian crossings. Leeds has about 620 signals.

Design and install

- The signal layout and operation are designed for new junctions and crossings, and upgraded signals (about 50 per year recently)

- Installation on street is managed, ensuring efficient site work with minimum disruption to road users.

- A priority is to maximise safety while balancing the needs of all users

- Use appropriate technology to get the most out of road space to the benefit of all.

- When new developments are proposed UTMC discusses any proposals for signal arrangements to minimise the effect on other traffic

Set timings and coordination

- Operation logic and timings set for new junctions. These are set to minimise and balance delays.
- Computer operation and coordination of adjacent signals
- Updating timings according to need

Control room operations

- Manned 7am-7pm on weekdays, occasional weekends and other times as needed.
- CCTV cameras are monitored continuously to look for variations in traffic flow. Operators can change signal timings from the UTMC computer, inform the police or give details to the media.
- Implement green waves for certain vehicles
- Change timings for special events: football, parades, races, etc
- Answer queries from members of the public
- Fault handling, diagnosis and management

Maintains all equipment

- Faults are reported automatically and from the public. 6500 fault reports annually.
- Over 95% of all urgent faults are attended to within 2 hours of notification
- More than 100 CCTV cameras are available for traffic monitoring
- 23,500 lamps are changed annually

Signals and the environment.

- Signals play a key role in reducing pollution. Appropriate timings and efficient co-ordination between sets of signals keeps vehicle stops and starts to a minimum and reduces vehicle emissions.
- Signal coordination can encourage drivers to drive at the appropriate speed, with benefits to accident savings.
- LED lamps and low voltage technology used where possible.

Information to the public

- Comprehensive web site developed:
- www.LeedsTravel.info. Average 7,000 visitors each month.
- A well used twitter feed.
- Web cams for local roads and motorways
- Information about road works and events