

Traffic Control, Ron Groves House

THE TEAMS

Network Coordination

- Coordination of major planned streetworks and work on traffic sensitive streets
- Coordination of public events.
- Licensing and coordination of filming on the highway
- Licensing of skips, scaffolds, cherry pickers, cranes, hoardings etc
- Design of Contingency Planning diversion routes for major traffic routes
- Strategic Planning for winter maintenance

Streetworks

- Cover all aspects of The New Roads and Street Works Act 1991
- Receiving notices from all undertakers of street works, monitoring and coordinating works to avoid traffic congestion
- Authorising temporary traffic lights and approving traffic management plans
- Monitoring all works esp. those likely to cause congestion on traffic sensitive streets
- Inspection of works for quality and duration

Traffic Surveys and Monitoring

- Surveys and analysis (includes ped bus and cycle; and queue length and parking)
- Real Time Information ANPR/JTMS
- Automatic and manual counts: 500 locations around network plus ad hoc requests
- Before and after scheme assessments

Local Service Control

- Monitor all OCC gangs operating in the county
- Send workforce in response to emergencies and defects
- Liaise with CSC and other operational services

RTPI

- provide live travel information to bus stops and third parties via API (Google, Traveline)
- incident mitigation
- bus company liaison
- provide live travel information to bus stops and third parties via API (Google, Traveline)
- maintenance of the NaPTAN bus stop database
- maintenance of Traveline SE&A and TIL (Traveline National Data Set – TNDS) bus timetable information (National and Regional Journey Planning database and bus Real-Time stop arrival/departure predictions)

Traffic Signals Team

- Signal fault maintenance 08:00 to 20:00 365 days/year
- RMS
- Design, design checking and commissioning of signals
- Operational maintenance: adjustments, modifications and refurbishment
- SCOOT

Traffic Control Centre

- Operate the UTMC

- Publish live network traffic status (Argonaut, Twitter, Voyager)

UTMC

Inputs

JTMS - (Journey Time Measurement System) Feeds the common database with Travel Time and Average Speed for predetermined links around Oxfordshire. This is done with a network of fixed JTMS cameras around the county.

R2P - Primary use is to provide vehicle centric data to populate the Journey Times Engine database to help enrich the data held there. Data is sent from bus operators' data-brokers from GPS transmitters located on buses throughout Oxfordshire and aggregated by the County's data-broker R2P.

VIX – Certain bus operators send Traffic Signal Priority requests using RTIGT031 protocol via data-broker VIX and these are passed through the UTMC into the UTC in order to request priority at selected signalised junctions.

Car park occupancy and usage – Provides live data counts of vehicles entering and leaving the 5 P&Rs around Oxford; 3 City Council car parks; **multiple** on-street parking bays and & Westgate car park.

SCOOT - Argonaut can receive fault and dynamic data from SCOOT controlled traffic signal junctions and pedestrian crossings. Changes to signal timings can also be implemented through Argonaut.

CCTV - Provides live travel information about the road network.

MAYRISE roadworks register - Argonaut takes a feed from Mayrise which provides information on all current and planned roadwork's throughout the county. **Now WDM**

HE roadworks and incidents - Argonaut receives and processes all TIH data providing up to date HE info on the M40 and A34. **Now HE and full 2-way UTMC link between OCC and HE**

Naptan bus stop info - Provides mapped locations of bus stops in Oxfordshire and links through to R2P bus RTPI information

Reading/Warwickshire/Gloucester/Bucks - Provides the above data on roads entering Oxfordshire from surrounding counties providing the Argonaut operators advanced warnings of issue on the surrounding road networks.

Outputs

VMS - (Variable Message Signs) Used to provide live travel information to the public.
Signal settings - Signal setting can be adjusted to minimise the impact of incidents and congestion.

Local radio - Up to date information is given to local radio stations so it can be sent directly to the public who are using the road network.

Inrix - Information is exchanged with Inrix to provide additional information and help clarify incidents and events as they happen. Inrix are widely used by broadcasters and other news organisations.

County operatives - Information is passed to LSC, Emergency Planning, Network Co-ordination among others.

Web site - Provides the public with live travel information throughout the county. This can be found on the Oxfordshire web site under 'Roads'.

Data use and management

Argonaut/Voyager - demo each radio button from main page.

JTE – (Journey Time Engine) Provides live travel time/speed data derived from JTMS, R2P-GPS and defaults.

Intelligent Strategies – simpler automated congestion response, P&R intelligent guidance, journey times on VMS etc...

Information – Performance reports can be created on all the above information.