

Division of Traffic Engineering Facts and Information

The Division of Traffic Engineering is divided into three distinct sections:

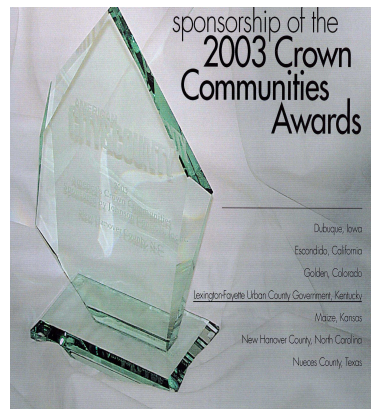
- Computerized Traffic Signals
- New Development, Street Lighting, & Signal Construction
- Neighborhood Traffic Management Program (NTMP) and Roadway Signs

FACTS:

- There is \$31 million in traffic signal related infrastructure in Lexington.
- There are 372 traffic signals, 18 reversible lane use control signals, and 45 school area flashers in Fayette County.
- Nine (9) traffic signal technicians and three (3) traffic engineers provide the operations, maintenance and timing for all traffic signals.
- There are 1,225 in-pavement vehicle detection loops at Fayette County traffic signals. There are also 282 video detection cameras at traffic signalized intersections.
- The Fiber Optic Cable Installation program is in its 10th year. Seventy (70) miles of fiber optic cable has been installed.
- There are 82 traffic monitoring cameras located at or near the heaviest traffic volume intersections in Fayette County.
- The division works closely with the Divisions of Police, and Fire and Emergency Medical Services on incidents that impact traffic flow in the community.

AWARDS:

- American Public Works Association – KY Chapter Advanced Communication Network Technology Category Award Traffic Control Center 2009
- LFUCG Safety Award – 2009
- LFUCG Energy Efficiency Award - 2005
- 2003 America's Crown Communities



Lexington-Fayette Urban County Government Division of Traffic Engineering Traffic Management Center



Lexington's Traffic Management Goals

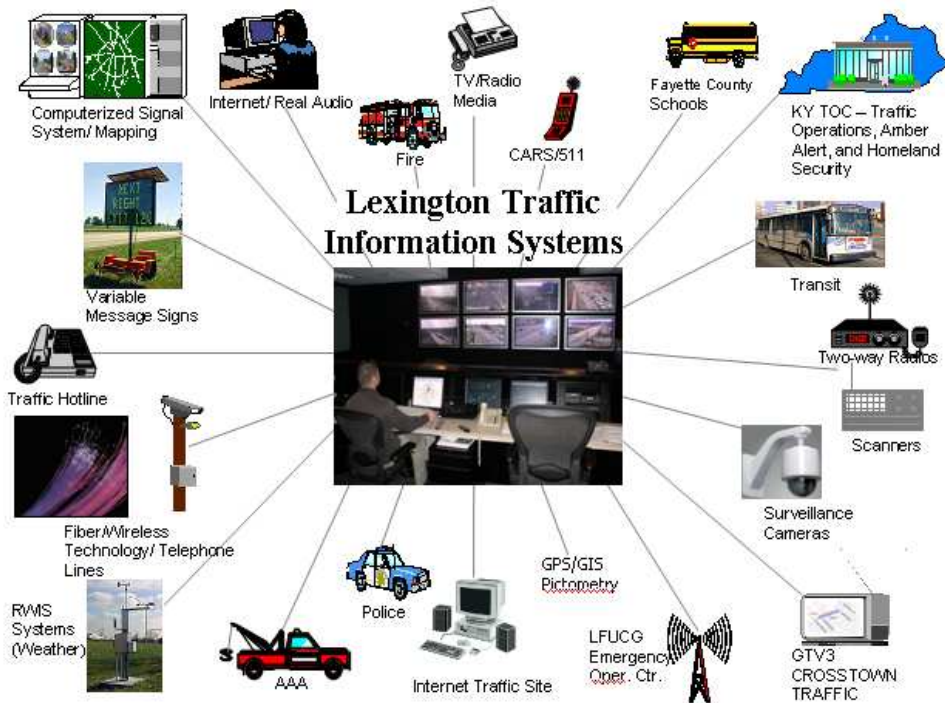
- Enhance roadway safety
- Improve air quality
- Reduce travel time

Traffic Management Center

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Traffic Management Center



Incidents Reported

There are 250 non-recurring incidents daily in Lexington.

Collisions

Emergency Runs

Lane Blockages



- Real-time traffic information concerning incidents is provided to motorists to make driving decisions that result in a safer and more efficient commute.
- Traffic engineers adjust traffic signal timing to minimize delays in affected areas and assist in the safety of emergency responders.

Traffic Related Improvements

Pedestrian Countdown Signals



Pedestrians are able to see how much time remains to cross the street.

Audible Pedestrian Signals



Designed for visually impaired individuals.

LED Lighting



\$10,000 savings per month in electrical costs over previous traffic signals.

Flashing Yellow Arrow Signals



2070 Traffic Signal Controllers



- Improves traffic flow by providing more signal phasing options and sequences.
- Better time keeping ability.
- Improves programming for faster field improvement implementation.

- Helps reduce crashes at intersections.
- Clearly signals to drivers that they can turn only when there is no oncoming traffic.
- Helps increase traffic flow efficiency.