



WHAT IS OGL?

Operation Green Light (OGL) is a regional effort to improve traffic flow and reduce vehicle emissions in the Kansas City area. Coordinated through the Mid-America Regional Council (MARC), it is supported by local agencies, driven by their expert staff, and powered by technology

WHAT WE DO

OGL works with federal, state, and local agencies to develop and implement a regional network of signals. This system provides uniform traffic management across jurisdictional boundaries in Kansas City allowing for better collaboration among all agencies.

The system coordinates traffic signal timing plans and communication between traffic signal equipment, improving the flow of traffic in the region.

OGL tracks signal-related malfunctions in the field and provides improved maintenance and infrastructure to partner jurisdictions.

OGL is paving the way in the traffic sector within the Kansas City region through innovation and collaboration.

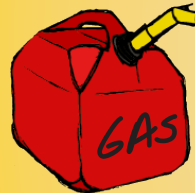
ANNUAL BENEFITS



220 MILLION
FEWER VEHICLE STOPS



1.9 MILLION
HOURS SAVED



1.8 MILLION
GALLONS SAVED



3,000 TONS
OF POLLUTANTS AVOIDED



\$35.2 MILLION
DOLLARS SAVED

FAST FACTS

700+ Traffic Signals

200+ Roadway Miles

1.6 Million Trips/Day

50/50 Local Agency/
Federal Funding

\$600 Local Agency Annual
Cost Per Signal

MOVING FORWARD

OGL is constantly working with partner agencies to look for new and innovative strategies that can be implemented within the Kansas City region to further improve traffic conditions. Some of the strategies and technologies we are currently investigating and implementing include:

- Arterial diversion routes for incidents occurring on interstates
- Adaptive and responsive signal control
- Use of crowd-sourced data in decision making
- Actively preparing for the integration of connected and automated vehicles

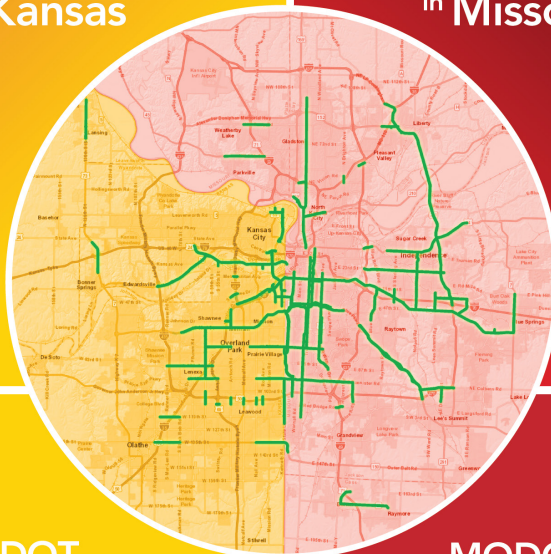
www.marc.org/transportation/commuting

AGENCIES & PARTNERS

Mid-America Regional Council

15 Local Governments
in **Kansas**

10 Local Governments
in **Missouri**



KDOT

MODOT

Federal Highway Administration

BENEFITS OF PARTICIPATION

There are many benefits to partnering in the OGL program. OGL staff coordinate better traffic flow along every corridor by constantly monitoring real-time operations, assisting with timing changes for roadwork projects and incidents, and supporting agency traffic signal maintenance activities. OGL partners often pursue additional funding for traffic signal system improvements together, increasing the chances of being selected. OGL paves the way by providing leadership and coordination in the evaluation of new strategies and technologies to improve the system and benefit every Kansas City area traveler.

Data Sources: Traffic volume data on designated OGL corridors from MoDOT and KDOT published AADT reports. Population estimates from most recent US Census. Timing benefits averaged from all measured initial corridor timings from 2008 through 2015, including calculated values for delays, fuel, pollution, and the value of time.