



## WHAT IS OGL?

Operation Green Light (OGL) is a regional effort to improve traffic flow, reduce emissions, and increase safety in the Kansas City region. 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 the Kansas City region allowing for better collaboration among all agencies.

### SPECIFICALLY, OGL:

- Develops traffic signal timing plans.
- Manages signal communication equipment.
- Tracks and maintains signal malfunctions.
- Initiates developed arterial diversion route timing plans.
- Maintains a traffic responsive pilot on U.S. Highway 71.

OGL is paving the way to a more efficient and effective future for the traffic sector in the Kansas City region through innovation and collaboration.



## ANNUAL BENEFITS



**220 MILLION**  
FEWER VEHICLE STOPS



**1.8 MILLION**  
GALLONS OF GAS  
SAVED



POTENTIALLY UP TO  
**50% REDUCTION**  
IN REAR-END CRASHES\*



**1.9 MILLION**  
HOURS SAVED

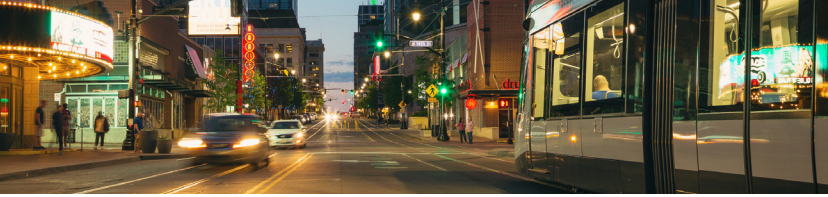


**3,000 TONS**  
OF POLLUTANTS  
AVOIDED



**\$44.2 MILLION**  
SAVED

\*Arash M. Roshandeh, Zongzhi Li, Shengrui Zhang, Herbert S. Levinson, Xi Lu, Vehicle and pedestrian safety impacts of signal timing optimization in a dense urban street network, Journal of Traffic and Transportation Engineering (English Edition), Volume 3, Issue 1, 2016, Pages 16-27, ISSN 2095-7564. (<https://www.sciencedirect.com/science/article/pii/S2095756416000027>)



## FAST FACTS

**750+** Traffic Signals

**200+** Roadway Miles

**1.7 Million** Trips/Day

**50/50** Local Agency/Federal Funding

**\$800** Local Agency Annual Cost Per Signal

## MOVING FORWARD

OGL continually works with partner agencies to discover new and innovative strategies to further improve traffic conditions within the Kansas City region. Some of the strategies and technologies we are currently investigating and implementing include the following:

- Use of crowd-sourced data in decision-making
- Actively preparing for the integration of connected and automated vehicles
- Identifying new funding sources

## AGENCIES & PARTNERS

MID-AMERICA  
REGIONAL  
COUNCIL

FEDERAL HIGHWAY  
ADMINISTRATION

**OGL**

KANSAS  
DEPARTMENT OF  
TRANSPORTATION

MISSOURI  
DEPARTMENT OF  
TRANSPORTATION

### MISSOURI

Belton	Kansas City
Blue Springs	Lee's Summit
Gladstone	Liberty
Grandview	North Kansas City
Independence	Raymore

### KANSAS

Bonner Springs	Mission
Fairway	Mission Woods
Kansas City	Olathe
Lansing	Overland Park
Leavenworth	Prairie Village
Leawood	Roeland Park
Lenexa	Shawnee
Merriam	Westwood

## 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 leads the way by providing leadership and coordination in the evaluation of new strategies and technologies to improve the system and benefit every traveler in the Kansas City region.



*Data is estimated based on current OGL corridors relative to MoDOT and KDOT AADT reports, U.S. Census Bureau population estimates, and timing benefits from OGL efforts.*

Learn more at [marc.org/OGL](https://marc.org/OGL)