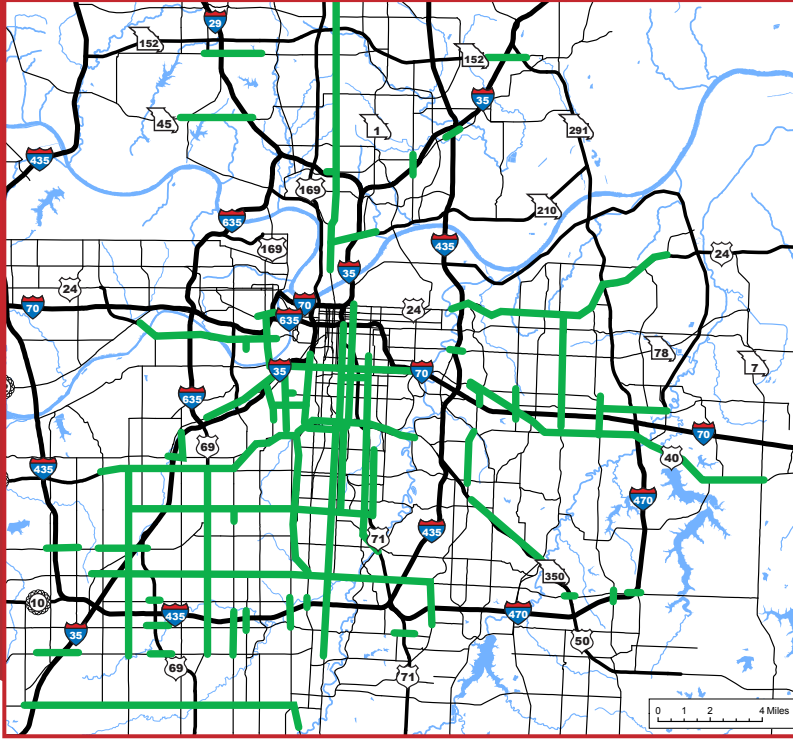



OPERATION GREEN LIGHT

PRIORITY CORRIDORS (634 intersections)



 Phase I priority corridors

HOW MUCH DOES IT COST?

The first phase of Operation Green Light cost \$13.1 million, and the initial annual operating cost is \$1.2 million. The project is paid for by federal, state and local funds.

HOW BIG IS THE SYSTEM?

Phase I of the project covers more than 600 intersections in 20 cities. The entire system could eventually grow to 1,500 intersections throughout the region. Later phases could include a dedicated fiber-optic communications system and a joint traffic operations center with Kansas City Scout.



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WHAT IS OPERATION GREEN LIGHT?

Operation Green Light is a cooperative effort to improve the coordination of traffic signals and incident response on major routes — on both sides of the state line — throughout the Kansas City area.

WHAT DOES IT DO?

Operation Green Light helps synchronize traffic signals on major streets throughout the region, especially those that cross city limits. This reduces unnecessary delays, improves traffic flow and cuts emissions that contribute to ozone pollution.

WHY IS IT IMPORTANT?

Operation Green Light is important for three reasons:

- It will improve the flow of traffic on the most used arterial roads in the region, especially during peak travel periods;
- It will improve regional air quality; and
- It will provide a tool for state and local governments to better manage changes in traffic patterns with the Kansas City Scout freeway management system.

HOW DOES IT WORK?

The state and local governments that own traffic signals in the area are working together to make sure that the timing plans for the intersections on major routes are coordinated for more efficient flow of traffic. Although existing equipment is used wherever possible, some new communications equipment and software, and new signal controllers must be installed so the traffic signals on the system can communicate with

each other and with a central operations center. This equipment and software help keep the traffic signals in sync with new timing plans.

HOW DOES IT HELP TRAFFIC FLOW?

Depending on factors like the length of a trip and the number of traffic lights, Operation Green Light could save seconds or even minutes for someone driving on a coordinated route. Since thousands of vehicles travel along each road on a weekday, this could add up to noticeably improved traffic flow, especially during rush-hour periods in the morning and afternoon. Operation Green Light has reduced delays on synchronized routes by an average of 17 percent.

Well-coordinated signals can also work with the Kansas City Scout freeway management system to help respond to traffic incidents. Operation Green Light's wireless communications system allows analysts in an office to make changes to a signal without having to visit the intersection. This reduces costs and increases the likelihood that signal problems are solved quickly.

HOW CAN IT IMPROVE AIR QUALITY?

By decreasing the amount of time motorists have to idle at intersections, Operation Green Light helps reduce emissions that contribute to the formation of ground-level ozone, the Kansas City area's main air pollutant.

WHO IS INVOLVED IN THE PROJECT?

The Mid-America Regional Council, 20 area cities, the Kansas and Missouri Departments of Transportation, and the Federal Highway Administration are working together to deliver Operation Green Light.

