

Legislation Text

File #: BILL NO. 18-220, **Version:** 1

An Ordinance authorizing the execution of a cooperative agreement for funding operations of Operation Green Light traffic control system by and between the City of Lee's Summit, Missouri, and the Mid-America Regional Council. (NOTE: First Reading by Council on December 18, 2018. Passed by unanimous vote.)

Issue/Request:

An Ordinance authorizing the execution of a cooperative agreement for funding operations of Operation Green Light traffic control system by and between the City of Lee's Summit, Missouri, and the Mid-America Regional Council.

Key Issues:

The Mid-America Regional Council (MARC) hired an independent consultant to perform a regional arterial traffic signal coordination system feasibility study, known as "Operation Green Light", for the Kansas City Urban Area including facilities under the jurisdiction of the Missouri Department of Transportation, which includes the City of Lee's Summit (City), as well as the other Member Agencies of MARC.

Improvement in traffic operational efficiency, air quality and monetary savings to the Member Agencies and the public can be realized from consolidated management approach of coordinated traffic signal control along arterial corridors in the roadway systems of each Member Agency, including the City.

The City participated in Operation Green Light causing MARC to design, construct and coordinate participating signals for the City.

The City's share of the costs is \$3,600.00 per year.

The agreement is for a two-year term, renewable for one additional two-year term.

This does not obligate the City to future operating and maintenance renewals with OGL.

The City and MARC wish to enter into an Agreement which describes the parties responsibilities in funding the cost of operation of a Regional Traffic Control System, and implementing and operating such a system.

Proposed City Council Motion: I move for adoption of An Ordinance authorizing the execution of a cooperative agreement for funding operations of Operation Green Light traffic control system by and between the City of Lee's Summit, Missouri, and the Mid-America Regional Council.

Background:

Operation Green Light (OGL) is a metropolitan-wide project to standardize and link traffic control systems (e.g.

traffic signals) among various municipal, state and county governmental entities in both Missouri and Kansas (approximately 30 agencies). OGL is responsible for maintenance and optimization of traffic signal timings and traffic signal coordination for those intersections included in the project. The feasibility report prepared for MARC by an independent consultant recommended that traffic signals within the Jurisdictional Boundaries of all of the Member Agencies be coordinated from a single Regional Traffic Management Center. OGL is operated from the traffic control center located in MoDOT's Kansas City District office in Lee's Summit.

Operation Green Light (OGL) began in 1998 as a concept and, over the years, has progressed through technical studies, design, implementation and in to the operations and maintenance phase. The City of Lee's Summit is a participating agency with six (6) signals included in the project. The signals that are part of OGL are located along Douglas Street from Tudor Road to Colbern Road and along Colbern Road at Town Centre Boulevard. OGL is responsible for maintenance and optimization of traffic signal timings and traffic signal coordination for those intersections included in the project.

OGL has completed construction and timing for the intersections located in Lee's Summit as well as over 800 intersections located throughout the region. Continuance of the OGL program is contingent on the approval of this and similar contracts between MARC and over two dozen other local and state agencies. The operating and maintenance costs consider known federal subsidies.

The cost of \$3,600 per year provides operation and maintenance coverage for a period of 1 year. The cost has decreased recently from \$800 to \$600 per intersection. The amount of local funding obligated by renewal of this contract is included in the approved Public Works operating budget.

Michael Park, PE, PTOE, City Traffic Engineer

Recommendation: Staff recommends approval of An Ordinance authorizing the execution of a cooperative agreement for funding operations of Operation Green Light traffic control system by and between the City of Lee's Summit, Missouri, and the Mid-America Regional Council.

Committee Recommendation: