

Legislation Text

File #: BILL NO. 23-042, **Version:** 1

An Ordinance approving 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-American Regional Council, and authorizing the Mayor to execute an agreement for the same. (PWC 2/13/23)

Issue/Request:

An Ordinance approving 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-American Regional Council, and authorizing the Mayor to execute an agreement for the same.

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.
- The feasibility report prepared by the 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;
- 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 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.

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 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. Technological

advances now allow all the OGL traffic signals to be controlled, adjusted, and operated from a centralized traffic operations center. OGL is currently operated from the traffic control center located in MoDOT's Kansas City District office in Lee's Summit.

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 City of Lee's Summit is a participating agency with sixteen (16) signals included in the project. The signals that are part of OGL are located along Douglas Street, Chipman Road, Pryor Road, and 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 is responsible for maintenance and optimization of traffic signal timings and traffic signal coordination for those intersections included in the project. The City remains responsible for maintenance of the traffic signal hardware and material components; except where such is exclusively necessary to the OGL operation.

The City's share of the costs is \$12,800.00 per year and this agreement is for a four (4) year period if the annual renewals are exercised per terms of the agreement. The cost of \$12,800 per year provides operation and maintenance coverage for a period of 1 year for the 16 OGL signals within Lee's Summit. The annual cost has increased from the previous two-year term agreement. The amount of local funding obligated by renewal of this contract is included in the approved Public Works operating budget. This does not obligate the City to future operating and maintenance renewals with OGL. However, the on-going subscription cost to OGL is less than what it would cost the City to operate and manage those signals using in-house staff at a similar level of service provided by the OGL operations center.

Proposed Committee Motion:

I move to recommend to the City Council for approval an Ordinance approving 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-American Regional Council, and authorizing the Mayor to execute an agreement for the same.

Proposed City Council Motion:

FIRST MOTION: I move for a second reading of an Ordinance approving 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-American Regional Council, and authorizing the Mayor to execute an agreement for the same.

SECOND MOTION: I move for adoption of an Ordinance approving 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-American Regional Council, and authorizing the Mayor to execute an agreement for the same.

Susan Barry, City Traffic Engineer

Recommendation: Staff recommends approval of an Ordinance approving 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-American Regional Council, and authorizing the Mayor to execute an agreement for the same.

Committee Recommendation:

The Public Works Committee voted unanimously 4-0 to recommend to City Council approval of an Ordinance approving 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-American Regional Council, and authorizing the Mayor to execute an agreement for the same. (PWC 2/13/23)