



Amanda Brauer, P.E., PTOE
Roads and Traffic Manager

December 21, 2021

Mr. Steve Ehlmann, County Executive
The Honorable Joe Cronin, Council District # 1
The Honorable Joe Brazil, Council District # 2
The Honorable Mike Elam, Council District # 3
The Honorable Dave Hammond, Council District # 4
The Honorable Terry Hollander, Council District # 5
The Honorable Nancy Schneider, Council District #6
The Honorable John White, Council District # 7

Dear County Executive and Council Members:

The attached agreement is for the use of CMAQ funds to design and implement an automated traffic signal performance measures (ATSPM) module on Muegge Road from Cave Springs Road to Old Route 94. The implementation will replace outdated signal controllers and detection systems at all signals on both corridors. The module will utilize components of the GGL network to provide improved high-resolution data from the new signal controllers. This data will be leveraged to improve intersection efficiency and safety and reduce travel delay for drivers as traffic volumes and patterns change. Current signal optimizations are completed on a four- or five-year cycle, this improvement will allow for optimizations to occur as frequently as they are needed based on live data and recommendations from the ATSPM module. The Gateway Greenlight operator will review these recommendations and additional high-resolution data on a regular basis and implement changes as needed. Finally, these improvements provide the necessary equipment for Adaptive (automated) Signal Control should the County find the technology to be a viable and cost-effective solution for traffic signal timing management in the future.

The anticipated cost of the system and associated improvements is \$1,100,254, of which \$880,203 will be paid by the federal reimbursement.

Please contact me at 636-949-7490 or abrauer@sccmo.org if you have any questions or concerns.

Sincerely,

A handwritten signature in black ink that reads "Amanda J. Brauer".

Amanda Brauer