

FY2021 MAG TRAFFIC SIGNAL OPTIMIZATION PROGRAM

Questions & Answers

What types of projects are eligible for the TSOP?

The goal of this program is to improve traffic signal operations. Therefore, only projects that will result in improvements to traffic operations through optimized signal timing and training will be considered.

Requests for single or multi-jurisdictional projects are being accepted up to a maximum estimated cost of \$80,000 per project. Agencies can request for any number of multi-jurisdictional projects. Two types of projects will be carried out under this program. The scopes of the Single/Multi-jurisdictional projects could include:

A. Single/Multi-jurisdictional Traffic Signal Retiming Projects:

Single/Multi-Agency Signal Timing Projects: These projects could involve data collection, new signal timing and field implementation. During TSOP project selection, the ITS Committee may designate some projects for a before-and-after evaluation by a MAG on-call consultant.

B. Single/Multi-jurisdictional Traffic Data Projects:

An agency may request a project that is limited to the collection of traffic data for the purpose of generating new signal timing using agency staff. For such projects, the project application must indicate within how many weeks, from the end of data collection the agency intends to implement new signal timing in the field (maximum 4 months allowed). All traffic data collection projects must include a before-and-after evaluation using the MAG methodology. This evaluation may be carried out by a MAG on-call consultant within 1 month of timing implementation.

How will projects be selected?

Candidate projects will be technically evaluated by the MAG ITS Committee, supported by MAG staff. A list of projects will be recommended for approval by MAG Regional Council.

Who will carry out the projects?

All projects will be carried out by qualified consultants under contract with MAG to provide on-call consulting services.

What about on-going construction?

TSOP projects should not be proposed for any areas that would be impacted by current or planned construction activities at least for the next 9 months.

What is included in a Before-and-After Study?

The “before” condition refers to the existing timing setting operated in the field prior to the project. The “after” condition refers to the signal timing settings following final field adjustments. The evaluation methodology is based on the travel time study using TranSync-M and Inrix data. The Before-and-After studies will be assigned to a MAG on-call consultant.

What are Local Agency Responsibilities?

Local agencies that are involved in a project must:

- 1) Provide agency staff time to review and approve project deliverables per the project schedule,
- 2) Provide agency staff time to implement signal timing plans with consultant assistance, and
- 3) Commit to completing the project tasks to be performed by local agency staff within the time frames stipulated for different project types.

How will projects be initiated?

All TSOP applications will be evaluated by the MAG ITS Committee to generate a recommendation that will go through the formal review process at MAG with final approval by the MAG Regional Council. Upon approval of TSOP projects, the MAG project manager assigned to a project will coordinate with the local agency project manager and the MAG on-call consultant assigned to the project, to develop and finalize the project's scope of work. A Task Order for performing project tasks, under the terms of the MAG on-call services contract, will be developed and executed by MAG. A project kickoff meeting will be coordinated by the MAG project manager and will be held at the agency offices.

How will these projects be managed?

Each agency will appoint a project manager who will be responsible for coordinating with the MAG project manager and the consultant. Following the project kickoff meeting that will be coordinated by the MAG project manager, the consultant will work directly with the agency. The agency will be responsible for ensuring the delivery of services by the consultant, as specified in the scope of work, the planned project schedule and the implementation of the signal timings. Consultant's invoices and progress reports related to project tasks will be received by MAG. When necessary, MAG will consult with the agency project manager to confirm project progress prior to payment of invoices. If any problems arise during the execution of a project, the agency will promptly notify the MAG project manager.

MAG will not be responsible for any work performed by the consultant that falls outside the approved project scope of work, as described in the MAG Task Order.