



January 27, 2020

To: Members of the Board of Directors

From: Darrell E. Johnson, Chief Executive Officer

Subject: Approval to Release Request for Proposals for Traffic and Intelligent Transportation Systems Engineering Services

Overview

The Orange County Transportation Authority was awarded Solutions for Congested Corridors Program funds, created by SB 1 (Chapter 5, Statutes of 2017), by the California Transportation Commission for the Edinger Avenue, MacArthur Boulevard/Talbert Avenue, and Warner Avenue regional traffic signal synchronization program projects. Board of Directors' approval is requested to release request for proposals to initiate a competitive procurement process to retain consultants to provide traffic and intelligent transportation systems engineering services.

Recommendations

- A. Approve the use of \$991,421 of Measure M2 funds to leverage \$4,957,107 of Solutions for Congested Corridors Program funds for the Edinger Avenue Regional Traffic Signal Synchronization Program Project.
- B. Approve the use of \$590,154 of Measure M2 funds to leverage \$2,950,770 of Solutions for Congested Corridors Program funds for the MacArthur Boulevard/Talbert Avenue Regional Traffic Signal Synchronization Program Project.
- C. Approve the use of \$818,425 of Measure M2 funds to leverage \$4,092,124 of Solutions for Congested Corridors Program funds for the Warner Avenue Regional Traffic Signal Synchronization Program Project.
- D. Approve the proposed evaluation criteria and weightings for Request for Proposals 0–2018, 0–2019, and 0–2020 for the selection of consultants to provide traffic and intelligent transportation systems engineering services for the Edinger Avenue, MacArthur Boulevard/Talbert Avenue, and Warner Avenue Regional Traffic Signal Synchronization Program Projects.

- E. Approve the release of Request for Proposals 0–2018 on January 27, 2020, for the selection of a consultant to provide traffic and intelligent transportation systems engineering services for the Edinger Avenue Regional Traffic Signal Synchronization Program Project.
- F. Approve the release of Request for Proposals 0–2019 on March 23, 2020, for the selection of a consultant to provide traffic and intelligent transportation systems engineering services for the MacArthur Boulevard/Talbert Avenue Regional Traffic Signal Synchronization Program Project.
- G. Approve the release of Request for Proposals 0–2020 on May 11, 2020, for the selection of a consultant to provide traffic and intelligent transportation systems engineering services for the Warner Avenue Regional Traffic Signal Synchronization Program Project.

Discussion

The Orange County Transportation Authority (OCTA) was awarded funds from the Solutions for Congested Corridors Program (SCCP) for the Edinger Avenue, MacArthur Boulevard/Talbert Avenue, and Warner Avenue Regional Traffic Signal Synchronization Program (RTSSP) projects. OCTA is seeking proposals from qualified transportation engineering consulting firms to perform traffic and intelligent transportation systems (ITS) engineering services. These consultants will provide traffic and ITS engineering services to OCTA and implement the Edinger Avenue, MacArthur Boulevard/Talbert Avenue, and Warner Avenue RTSSP projects over a four-year period per corridor.

These projects have an initial one-year primary implementation phase for the design and installation of infrastructure and the development and implementation of new optimized signal timing. This phase is followed by a two-year ongoing operations and maintenance phase, maintaining all that was installed and implemented in optimal condition. The final year is for project closeout.

Key tasks as part of the projects include the following:

- Perform an operations and timing analysis to develop and implement optimized traffic signal synchronization timing, including the development and implementation of timing plans at all signalized intersections;
- Make recommendations for ITS equipment and infrastructure to improve and enhance synchronization and overall corridor operational efficiencies; and
- Upon approval by the responsible agencies and OCTA, procure, furnish, and install all approved infrastructure improvements.

The implementation of the new optimized timing and signal infrastructure will result in the following improvements along the project corridor:

- Reduce stops, travel times, and overall delay;
- Maximize the number of successive intersections traversed on green lights versus those stopped by red lights;
- Provide signal synchronization timing for prevailing traffic patterns and common zones of operations; and
- Reduce emissions and greenhouse gases.

OCTA's proposed budget for the project is as follows:

Arterial	Limits	Total Project Cost*
Edinger Avenue	Bolsa Chica Street to Auto Mall Drive	\$ 6,196,000
MacArthur Boulevard / Talbert Avenue	Gothard Street to MacArthur Place	\$ 3,689,000
Warner Avenue	Pacific Coast Highway to Pullman Street	\$ 5,115,000

*In addition to Measure M2 (M2) and state funds, the cities will provide local matching funds.

Procurement Approach

The OCTA Board of Directors (Board)-approved procurement policies and procedures require the Board approve all requests for proposals (RFP) over \$1,000,000, as well as approve the evaluation criteria and weightings. Staff is submitting for Board approval draft RFPs, scopes of work for each project, and evaluation criteria and weightings, which will be used to evaluate proposals in response to the RFPs.

Board approval is requested to release the request for proposals on January 27, 2020 for the Edinger Avenue RTSSP Project. Board approval is also being sought in advance for the release of the MacArthur Boulevard/ Talbert Avenue RTSSP Project on March 23, 2020, and the Warner Avenue RTSSP Project on May 11, 2020, to enable timely release and obligation of funds in accordance with the program requirements.

The following evaluation criteria and weightings will be applied to all three RFPs:

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| ▪ Qualifications of the Firm | 25 percent |
| ▪ Staffing and Project Organization | 40 percent |
| ▪ Work Plan | 35 percent |

Several factors were considered in developing the criteria weightings. Staff assigned the greatest level of importance to staffing and project organization, as the qualifications and availability of the project manager, key task leaders, and staff resources are of most significance to the timely delivery and successful performance of the project. Likewise, staff assigned a high-level of importance to the work plan as the technical approach to the project is critical to the successful performance of the project. The qualifications of the firm, in performance of work of similar scope and size, is also very important to the success of the project. As these are architecture and engineering procurements, price is not an evaluation criterion pursuant to state and federal laws.

OCTA intends to award three contracts as a result of these procurements, one each for the Edinger Avenue, MacArthur Boulevard/Talbert Avenue, and Warner Avenue projects. The RFPs will be released on January 27, 2020, March 23, 2020, and May 11, 2020, upon Board approval of these recommendations.

Fiscal Impact

The projects will be included in OCTA's Fiscal Year 2020-21 Budget, Strategic Planning Division, accounts 0017-7519-SPF30-P57, 0017-7519-SPF31-P57, and 0017-7519-SPF32-P57. Staff has secured funds in the amount of \$12,000,001 (80 percent from the SCCP {SB 1}). M2 will provide \$2,400,000 (16 percent). The local agencies will provide \$599,999 (four percent) of the total project cost in matching funds.

Summary

Board approval is requested to approve M2 funds to leverage SCCP funds, and to release RFP 0–2018 on January 27, 2020, RFP 0–2019 on March 23, 2020, and RFP 0–2020 on May 11, 2020, for traffic and ITS.

Attachments

- A. Draft Request for Proposals (RFP) 0–2018, Consultant Services for Traffic and Intelligent Transportation Systems Engineering Services for Edinger Avenue
- B. Draft Request for Proposals (RFP) 0–2019, Consultant Services for Traffic and Intelligent Transportation Systems Engineering Services for MacArthur Boulevard/Talbert Avenue
- C. Draft Request for Proposals (RFP) 0–2020, Consultant Services for Traffic and Intelligent Transportation Systems Engineering Services for Warner Avenue

Prepared by:



Anup Kulkarni
Senior Section Manager
Regional Modeling, Traffic Operations
(714) 560-5267

Approved by:



Kurt Brotcke
Director, Strategic Planning
(714) 560-5742



Virginia Abadessa
Director, Contracts Administration and
Materials Management
(714) 560-5623