




November 12, 2018

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 has developed a request for proposals to initiate a competitive procurement process to retain a consultant to provide intelligent transportation systems and traffic engineering services for the Katella Avenue and Main Street regional traffic signal synchronization projects.

Recommendations

- A. Approve the proposed evaluation criteria and weightings for Request for Proposals 8-2038 for selection of consultants to provide intelligent transportation systems and traffic engineering services.
- B. Approve the release of Request for Proposals 8-2038 for selection of consultants to provide intelligent transportation systems and traffic engineering services for the Katella Avenue and Main Street regional traffic signal synchronization projects.

Discussion

The Orange County Transportation Authority (OCTA) is seeking proposals from qualified transportation engineering consultant firms to perform intelligent transportation systems (ITS) and traffic engineering services. These consultants will support the ITS and traffic engineering services for OCTA as part of the Measure M2 Regional Traffic Signal Synchronization Program (also known as Project P), and implement the Katella Avenue and Main Street regional traffic signal synchronization projects over a four-year period.

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

Key tasks as part of the two 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 two project corridors:

- Reduce stops, travel times, and overall delays;
- 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 target budget for the two projects is as follows:

Arterial	Limits	Total Project Cost
Katella Avenue	Interstate 605 On-Ramp to Jamboree Road	\$ 4,936,835
Main Street	Taft Avenue to Culver Drive	\$ 3,822,720

Procurement Approach

The OCTA Board of Directors (Board)-approved procurement policies and procedures require that 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 the draft RFP and evaluation criteria and weightings, which will be used to evaluate proposals in response to the RFP. The evaluation criteria and weightings are as follows:

- 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 importance to staffing and project organization, as the qualifications of the project manager and other key task leaders 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 firms, in performance of work of similar scope and size, is also very important to the success of the project. As this is an architecture and engineering procurement, price is not an evaluation criterion pursuant to state and federal laws.

OCTA intends to award the contracts as a result of this procurement, one each for the Katella Avenue and Main Street projects. The RFP will be released upon Board approval of these recommendations.

Fiscal Impact

The project is included in OCTA's Fiscal Year 2018-19 Budget, Planning Division, accounts 0017-7519-SPF24-P57 and 0017-7519-SPF26-P57. The local agencies will provide 20 percent of the total project cost in matching funds. The remaining funding will come from SB 1 (Chapter 5, Statutes of 2017) Local Partnership Program and Measure M.

Summary

Board approval is requested to release RFP 8-2038 for traffic and intelligent transportation systems engineering services.

Attachment

- A. Draft Request for Proposals 8–2038 for Traffic and Intelligent
Transportation Systems Engineering Services

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