



**August 5, 2019**

**To:** Regional Planning and Highways Committee

**From:** Darrell E. Johnson, Chief Executive Officer

**Subject:** Cooperative Agreements for Regional Traffic Signal Synchronization Program Projects

**Overview**

On June 10, 2019, the Orange County Transportation Authority Board of Directors approved programming of funds for projects as part of the 2019 call for projects for the Measure M2 Regional Traffic Signal Synchronization Program. As part of the application process, the Orange County Transportation Authority was requested to be the lead agency on three of the six projects: Aliso Creek Road, Lake Forest Drive, and Red Hill Avenue. Separate cooperative agreements with local agencies are necessary for each of these projects to specify the amount of required local matching funds.

**Recommendations**

- A. Authorize the Chief Executive Officer to negotiate and execute Cooperative Agreement No. C-9-1419 between the Orange County Transportation Authority and the cities of Aliso Viejo and Laguna Niguel for the Aliso Creek Road Regional Traffic Signal Synchronization Project, with required local matching funds of \$285,994.
- B. Authorize the Chief Executive Officer to negotiate and execute Cooperative Agreement No. C-9-1420 between the Orange County Transportation Authority and the cities of Irvine, Laguna Hills, and Lake Forest for the Lake Forest Drive Regional Traffic Signal Synchronization Project, with required local matching funds of \$360,411.
- C. Authorize the Chief Executive Officer to negotiate and execute Cooperative Agreement No. C-9-1421 between the Orange County Transportation Authority and the cities of Costa Mesa, Irvine, and Tustin for the Red Hill Avenue Regional Traffic Signal Synchronization Project, with required local matching funds of \$419,018.

***Discussion***

The Orange County Transportation Authority (OCTA) is designated by request of the local agencies to be the lead agency on three regional traffic signal synchronization (RTSSP) projects: Aliso Creek Road, Lake Forest Drive, and Red Hill Avenue. As authorized by the Board of Directors (Board), these three projects are planned to begin in fiscal year (FY) 2019-20 with completion in 2023. Each project includes two separate phases of primary implementation, lasting approximately one year, followed by an ongoing operations and maintenance phase of 24 months.

A cooperative agreement is required for each of these projects to outline the roles and designate responsibilities of OCTA, as well as the partnering agencies regarding the implementation of the projects, and to specify the amount and type of each local agency's funding match. A minimum of 20 percent local match is required per the requirements of the RTSSP as specified in the 2019 Comprehensive Transportation Funding Programs Guidelines (Chapter 8, page 5). The following is a summary of each project's limits, number of signalized intersections (signals), traffic data, number of agencies included in the project, and estimated cost:

- Aliso Creek Road (El Toro Road to Moulton Parkway): the corridor is approximately five miles and includes 23 traffic signals. The corridor passes through the cities of Aliso Viejo and Laguna Niguel and carries daily traffic of up to 184,800 vehicles. The project cost is estimated at \$1,429,973, with local agency in-kind services and cash match totaling \$285,994.
- Lake Forest Drive (Portola Parkway to Romano/Hidden Canyon): the corridor is approximately eight miles and includes 27 traffic signals. The corridor passes through the cities of Irvine, Laguna Hills, and Lake Forest and carries daily traffic of up to 182,900 vehicles. The project cost is estimated at \$1,802,054, with local agency in-kind services and cash match totaling \$360,411.
- Red Hill Avenue (Bryan Avenue to Bristol Street): the corridor/route is approximately seven miles and includes 28 traffic signals. The corridor passes through the cities of Costa Mesa, Irvine, and Tustin and carries daily traffic of up to 153,800 vehicles. The project cost is estimated at \$2,095,090, with local agency in-kind services and cash match totaling \$419,018.

**Fiscal Impact**

The total cost of implementing the three RTSSP projects is \$5,327,117. The funding for these three projects will come from Measure M2 Project P allocation of \$4,261,694, included in the FY 2019-20 budget accounts 0017-7519-SPF27-P57, 0017-7519-SPF28-P57, and 0017-7519-SPF29-P57, along with matching funds provided by the local agencies (\$1,065,423).

**Summary**

Staff requests Board approval for the Chief Executive Officer to negotiate and execute three cooperative agreements between OCTA and the respective cities, for the Aliso Creek Road, Lake Forest Drive, and Red Hill Avenue RTSSP projects to define roles, duties, governance, and fiscal responsibilities.

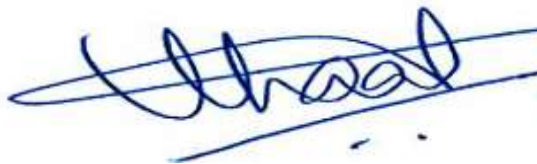
**Attachment**

None.

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