



CITY COUNCIL AGENDA REPORT

MEETING DATE: FEBRUARY 17, 2015

ITEM NUMBER: CC-12

SUBJECT: COOPERATIVE AGREEMENT FOR THE BRISTOL STREET TRAFFIC SIGNAL SYNCHRONIZATION PROJECT

DATE: FEBRUARY 5, 2015

FROM: PUBLIC SERVICES DEPARTMENT – TRANSPORTATION SERVICES DIVISION

PRESENTATION BY: ERNESTO MUNOZ, PUBLIC SERVICES DIRECTOR

FOR FURTHER INFORMATION CONTACT: RAJA SETHURAMAN, TRANSPORTATION SERVICES MANAGER, 714-754-5032

RECOMMENDATION:

1. Approve the Cooperative Agreement between the City of Costa Mesa and the Orange County Transportation Authority (OCTA) for the Bristol Street Traffic Signal Synchronization (TSS) Project (Attachment 1).
2. Authorize the Mayor and City Clerk to execute the above agreement.

BACKGROUND:

The Orange County Transportation Authority's Measure M Program (M2), half-cent sales tax for transportation improvements, included money for cooperative traffic signal synchronization across City borders within Orange County. While the City of Costa Mesa maintains a high level of coordination within the City, the Bristol Street TSS project is an inter-jurisdictional effort which includes the City of Newport Beach, City of Santa Ana, and Caltrans. OCTA will administer this TSS project.

A total of 45 intersections on Bristol Street in the City of Costa Mesa, City of Newport Beach, and the City of Santa will be coordinated with this project.

The scope of work for the TSS project includes:

- Development of Optimized Traffic Signal Synchronization Timing Plans
- Installation of Traffic Signal Upgrades
- Communication Upgrades
- Implementation of Traffic Signal Timing Plans
- Conduct Before and After Studies
- Two Years of Traffic Signal Timing Maintenance

In October 2013, the City of Costa Mesa applied for Measure M2 grant funding for engineering and implementation of the improvements on Bristol Street in Costa Mesa, Newport Beach, and Santa Ana. The City was awarded \$1,884,620 in grant funds for the engineering, implementation, and a two-year monitoring of the Bristol Street Corridor with a match share requirement of \$471,155 resulting in a total project of \$2,355,775. The project is split between the Cities of Newport Beach, Costa Mesa, and Santa Ana in proportional amounts per the number of signals in each jurisdiction and the associated match share is detailed in the cooperative agreement.

ANALYSIS:

The Bristol Street TSS project will result in a comprehensive review of the traffic signal coordination spanning the Cities of Newport Beach, Costa Mesa, and Santa Ana. The City of Costa Mesa will have the final approval authority for implementation of any timing plans developed as part of these projects within the City's jurisdiction.

The project will result in replacement of outdated traffic signal controllers at 14 intersections along Bristol Street, in addition to signal communication upgrades. The estimated value of the upgrades in the City of Costa Mesa for the Bristol Street TSS project is \$700,500. The TSS project includes the preparation of detailed before and after studies to document efficiencies achieved with any proposed timing changes. OCTA has successfully administered similar TSS projects throughout the County and will be the agency in charge of this project.

The attached Cooperative Agreement defines the terms and conditions for each of the TSS project agencies. OCTA will fund, administer, monitor, and audit the TSS project. The Cities of Newport Beach, Costa Mesa, and Santa Ana will provide a match share of the project cost for the improvements and implement the timing plans in their jurisdiction for the Bristol Street TSS Project.

Staff recommends execution of the Cooperative Agreement to enable the implementation of the TSS project along Bristol Street in Costa Mesa.

ALTERNATIVES CONSIDERED:

One alternative would be not to approve the Cooperative Agreement. However, this alternative would result in the elimination of Costa Mesa's intersections for consideration of traffic signal synchronization improvements. This would result in the loss of approximately \$700,500 in traffic signal equipment and upgrades within the City.

The City's traffic controllers are antiquated and no longer manufactured; therefore, as controllers fail they would have to be replaced without the assistance of any external funding sources.

FISCAL REVIEW:

If approved, funding for the Bristol Street TSS project is available from the OCTA Measure M2 grant of \$1,884,620 towards the design, implementation, and a two-year monitoring of the Traffic Signal Synchronization Project along the Bristol Street Corridor in the jurisdictions of Santa Ana, Costa Mesa, and Newport Beach. The OCTA grant requires a 20% match of \$145,380 by the City. The City appropriated \$125,396 in Air Quality Management District (AQMD) funds in the Fiscal Year 2014-15 Budget for this project. The remaining will be covered by staff time. It is estimated that the Cities of Santa Ana and Newport Beach will contribute approximately \$223,450 and \$56,963 respectively towards the project.

The City of Costa Mesa staff will maintain the traffic signal timing and equipment as part of routine maintenance for the intersections within the City's jurisdiction.

LEGAL REVIEW:

The City Attorney's office has reviewed the attached Cooperative Agreement and has approved it as to form.

CONCLUSION:

Staff recommends that the City Council approve the attached Cooperative Agreement between the City of Costa Mesa and OCTA for the implementation of the Traffic Signal Synchronization Project on the Bristol Street Corridor. Staff also requests the City Council's authorization for the Mayor and City Clerk to execute the agreement.

ERNESTO MUNOZ
Public Services Director

RAJA SETHURAMAN
Transportation Services Manager

ATTACHMENT: 1 [Cooperative Agreement No. C-4-1882 for Bristol Street](#)

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