



City of Arts & Innovation

Transportation Board

TO: TRANSPORTATION BOARD

DATE: OCTOBER 2, 2024

FROM: PUBLIC WORKS DEPARTMENT

WARDS: ALL

SUBJECT: ANNUAL TRAFFIC SIGNAL TIMING UPDATE

ISSUE:

Receive an oral presentation from the Public Works Department highlighting traffic signal timing projects and signal coordination efforts.

RECOMMENDATION:

That the Transportation Board receive and file the presentation.

BACKGROUND:

As part of the “Bylaws of the Transportation Board of the City of Riverside”, the Transportation Board reviews the City’s Traffic Signal Synchronization Master Plan on an annual basis and makes recommendations to the City Council. The Public Works Department will provide the Transportation Board with an update on signal timing and coordination efforts and projects to expand and/or upgrade signal communications. Staff will share details on the City’s recent and upcoming projects to implement new signal timing plans for the Downtown Area, implementation of Leading Pedestrian Interval (LPI) citywide, and installation of new traffic signal controllers with upgraded controller software, central system to improve traffic flow and accommodate emerging vehicle technology, and recent requests from Board Members. Signal timing projects are a feasible method to improve traffic flow, minimize delay, reduce emissions, and help improve quality of life and the City’s recently renovated Traffic Management Center (TMC) helps to monitor and modify these signals.

DISCUSSION:

The Public Works Department will provide an oral presentation on the Traffic Signal Synchronization Master Plan and current signal timing efforts.

STRATEGIC PLAN ALIGNMENT:

This item contributes to the **Strategic Priority No. 6 – Infrastructure, Mobility and Connectivity** and **Goal No. 6.2** – Maintain, protect, and improve assets and infrastructure within the City’s built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity.

This project aligns with each of the five Cross-Cutting Threads as follows:

1. **Community Trust** – Traffic signal timing efforts are intended to reduce vehicle delay, improve pedestrian safety and enhance signal timing operations within the City’s roadway network. The City’s traffic signal timing efforts are meant to improve the quality of life for the residents and visitors, to build community trust for the greater public good.

2. **Equity** – The Public Works Department strives to improve the City’s roadway network and provide efficient traffic circulation in all areas of the City. The traffic signal timing efforts are implemented for all road users including motorists, pedestrians and bicyclists.

3. **Fiscal Responsibility** – The City of Riverside is a prudent steward of public funds and ensures responsible management of the City’s financial resources by implementing improvements on its existing infrastructure and signal operations. Traffic signal timing is one of the most cost-effective ways to improve traffic movement.

4. **Innovation** – Traffic signal timing efforts allow for creative ways to enhance traffic circulation within the City’s roadway network and to utilize technological advances in Intelligent Transportation Systems (ITS) to provide innovative solutions to make daily commute and travel smarter, faster, safer, and more convenient.

5. **Sustainability & Resiliency** – Ongoing traffic signal timing efforts aim to improve services related to different modes of transportation. Implementing various signal operations assists with reducing vehicle delay and promoting pedestrian safety, all while utilizing existing infrastructure and testing new technology available to improve transportation.

FISCAL IMPACT:

There is no cost associated with this presentation.

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Attachment: Presentation