

Council File No. 19-1236

TRANSPORTATION COMMITTEE REPORT relative to maximizing traffic signal priority for the Los Angeles County Metropolitan Transportation Authority (Metro) Exposition (Expo) Rail Line where it operates in street-running mode to improve reliability and reduce end-to-end travel time.

Recommendation for Council action:

NOTE and FILE the Los Angeles Department of Transportation (LADOT) report dated June 8, 2021, relative to efforts taken by the Department to maximize traffic signal priority for the Metro Expo Rail Line where it operates in street-running mode to improve reliability and reduce end-to-end travel time.

Fiscal Impact Statement: The LADOT reports that this action will not impact the General Fund.

Community Impact Statement: None submitted

SUMMARY

In its report to Council dated June 8, 2021, LADOT provides an update of the Department's efforts to maximize traffic signal priority for the Metro Expo Rail Line where it operates in street-running mode to improve reliability and reduce end-to-end travel time. As previously reported, LADOT improved the efficiency of the Expo Rail Line along Exposition Boulevard in both directions with a new application of transit priority that allows the traffic signal controller to reach into future signal cycles and borrow time to hold the green signal for an approaching train. This reduced the average delay at Normandie Avenue by between 17 to 27 seconds and allowed an average of 79 percent of trains to travel through the traffic signal without stopping.

Based on the positive results of this initial study, LADOT expanded the enhanced transit priority tested at Exposition Boulevard and Normandie Avenue throughout the rest of the street-running section of the Expo Rail Line. LADOT applied this strategy along Flower Street, specifically targeting Adams Boulevard, which is a critical mid-point between two stations. This has further reduced travel time and increased reliability.

According to LADOT, average travel times per trip has been reduced along:

- Exposition Boulevard westbound by 14 seconds; eastbound by 40 seconds.
- Flower Street southbound by 15 seconds; northbound by 24 seconds.
- End to end westbound travel time by 29 seconds; end to end eastbound by one minute and four seconds.

LADOT goes on to state that Department staff will continue to monitor street-running train performance and coordinate with Metro to ensure efficient operation, reduce end-to-end travel times, and achieve near 90% travel time reliability. LADOT recommends that Council note and file the report.

At its meeting held June 15, 2021, the Transportation Committee discussed this matter with LADOT staff. The Department representative reviewed the report and improvements made in the Expo Rail Line travel times. Committee recommended that Council note and file the LADOT report.

Respectfully Submitted,

TRANSPORTATION COMMITTEE



<u>MEMBER</u>	<u>VOTE</u>
BONIN:	YES
KORETZ:	YES
BUSCAINO:	ABSENT

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-NOT OFFICIAL UNTIL COUNCIL ACTS