

ESTABLISHMENT OF AXLE RESTRICTION - SEGMENT OF LA SIERRA AVENUE

Public Works Department

Mobility and Infrastructure Committee Meeting
December 8, 2022

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BACKGROUND

- Residents have reported cut-through truck traffic coming from Cajalco Road traveling through La Sierra Avenue to travel onto the 91 Freeway.
- The Public Works Department may establish weight limit or axle restrictions to prohibit use of select streets by larger commercial vehicles.
- Proposed axle limit restrictions assist in preserving the pavement, improve safety on residential streets.

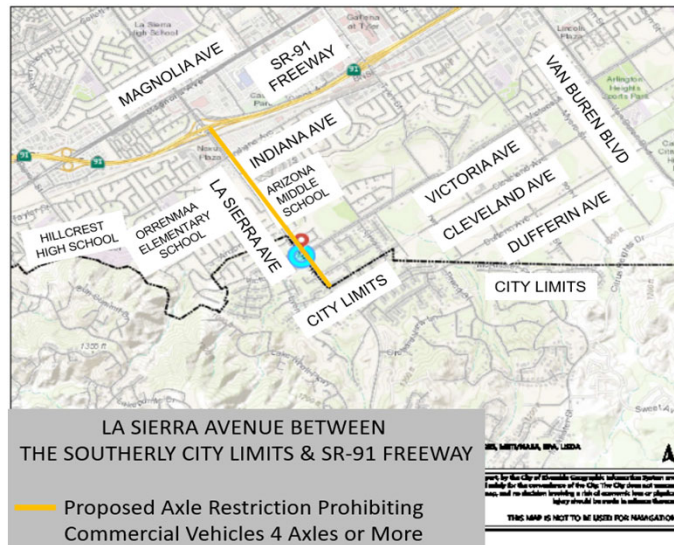


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SITE MAP



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DISCUSSION

- The Public Works Department is proposing establishment of an axle restriction prohibiting use by commercial trucks exceeding three (3) axles in both directions on La Sierra Avenue from the southerly City limits to the SR-91 Freeway.
- The Axle restriction is recommended based on classification count data performed which resulted in the percentage of truck traffic above the maximum 3% truck traffic threshold (3.8%).



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DISCUSSION

- The proposed axle restriction will address cut-through commercial truck traffic utilizing this segment of La Sierra Avenue to bypass the I-15 Freeway and SR-91 Freeway Junction.
- The City coordinated with the County of Riverside to install additional advance signage at the intersections of Cajalco Road at La Sierra and El Sobrante at La Sierra.



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VEHICLE CLASSIFICATIONS

FHWA Vehicle Classifications				☒ Passenger Vehicles	☐ Trucks / Heavy Vehicles
1. Motorcycles 2 axes, 2 or 3 tires 	2. Passenger Cars 2 axes, can have 1- or 2-axle trailers 	3. Pickups, Panels, Vans 2 axes, 4-tire single units Can have 1 or 2 axle trailers 	4. Buses 2 or 3 axes, full length 		
5. Single Unit 2-Axle Trucks 2 axes, 6 tires (dual rear tires), single-unit 	6. Single Unit 3-Axle Trucks 3 axes, single unit 	7. Single Unit 4 or More-Axle Trucks 4 or more axes, single unit 	8. Single Trailer 3- or 4-Axle Trucks 3 or 4 axes, single trailer 		
9. Single Trailer 5-Axle Trucks 5 axes, single trailer 	10. Single Trailer 6 or More-Axle Trucks 6 or more axes, single trailer 		  		



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SIGN SAMPLES



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TRANSPORTATION BOARD REVIEW

- On November 2, 2022 the Transportation Board reviewed the proposed axle restriction prohibiting use by commercial vehicles exceeding three axles on La Sierra Avenue from the southerly City limits to the SR-91 Freeway.
- The Board voted unanimously to recommend establishment of the proposed axle restriction.



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STRATEGIC PLAN ALIGNMENT



Strategic Priority 6 – Infrastructure, Mobility & Connectivity

Goal 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.

Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



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RECOMMENDATION

That the Mobility & Infrastructure Committee review and provide recommendation to the City Council regarding the proposed establishment of an axle restriction prohibiting use by commercial vehicles exceeding three axles on La Sierra Avenue from the southerly City limits to the SR-91 Freeway.



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NEXT STEP

The axle restriction proposal would be presented to the City Council for final consideration at the upcoming January 17, 2023 meeting.



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