



# ESTABLISHMENT OF AXLE RESTRICTION - SEGMENT OF MADISON STREET

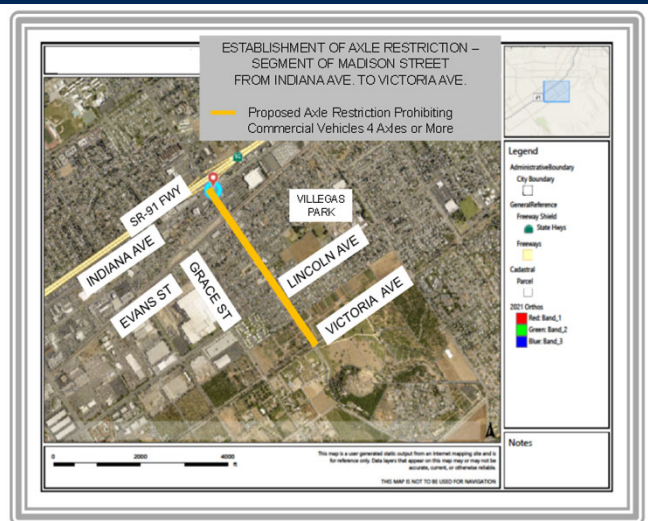
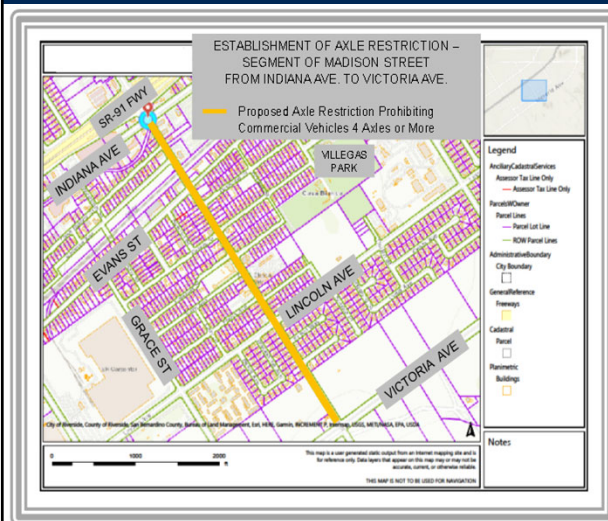
## Public Works Department

Mobility and Infrastructure Committee Meeting  
November 14, 2024

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### SITE MAP / AERIAL MAP



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## BACKGROUND

- Residents have reported large commercial truck traffic on Madison St. from Indiana Ave. to Victoria Ave. potentially cutting through the County between local freeways.
- The Public Works Department may establish axle restrictions to prohibit use of select arterial roadways by larger commercial vehicles.
- Proposed axle restrictions assist in preserving the pavement and may improve safety and reduce noise.



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## STREET VIEW PHOTO



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## DISCUSSION

- Establishment of an axle restriction prohibiting use by trucks more than 3 axles on the segment of Madison St. from Indiana Ave. to Victoria Ave.
- Based on March 2024 traffic count data, an axle restriction is recommended due to a combined 4% truck use which exceeds the FHWA 3% truck threshold.
- On 8/7/24, the Transportation Board unanimously recommended approval of proposed axle restriction



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## INTENT OF PROPOSED AXLE RESTRICTION

1. To restrict cut-through commercial truck traffic use of the designated segment of Madison St.;
2. Improve safety and operations within along the Madison St. corridor;
3. Preserve the condition of the pavement; and
4. Reduce resulting noise along the street segment.



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# VEHICLE CLASSIFICATIONS

**FHWA Vehicle Classifications**  Passenger Vehicles  Trucks / Heavy Vehicles

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



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# VEHICLE CLASSIFICATIONS

NB Madison St south of Indiana

Percentage of vehicle type															
Bikes	Cars & Trlrs	2 Axle Long	Buses	2 Axl 6 Tires	3 Axl Single	4 Axl Single	<5 Axl Double	5 Axl Double	>6 Axl Double	<6 Axl Multi	6 Axl Multi	>6 Axl Multi	Total	Total % Non-Trucks	Total % Trucks
0.9	68.1	22.1	0.7	4.8	1.7	0.1	0.9	0.4	0.2	0	0	0.1	100	95.9	4.1

SB Madison St south of Indiana

Percentage of vehicle type															
Bikes	Cars & Trlrs	2 Axle Long	Buses	2 Axl 6 Tires	3 Axl Single	4 Axl Single	<5 Axl Double	5 Axl Double	>6 Axl Double	<6 Axl Multi	6 Axl Multi	>6 Axl Multi	Total	Total % Non-Trucks	Total % Trucks
0.4	57.9	26.2	0.9	11.5	0.3	0	2.1	0.4	0	0.2	0	0	99.9	96.0	3.9

NB & SB Madison St south of Indiana

Percentage of vehicle type															
Bikes	Cars & Trlrs	2 Axle Long	Buses	2 Axl 6 Tires	3 Axl Single	4 Axl Single	<5 Axl Double	5 Axl Double	>6 Axl Double	<6 Axl Multi	6 Axl Multi	>6 Axl Multi	Total	Total % Non-Trucks	Total % Trucks
0.7	62.9	24.2	0.8	8.2	1	0.1	1.5	0.4	0.1	0.1	0	0	100	96	4



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## SIGN SAMPLES



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## NEW LAW: ASSEMBLY BILL 98

1. Requires local agencies to adopt changes to their circulation elements to create designated truck routes by January 2026
2. Riverside opposed the bill text in its adopted form, but developing plans to comply
3. Staff do not believe this specific restriction would need to be removed as a result of AB 98, which encourages avoiding 'residential areas and sensitive receptors'
4. Staff will keep the Committee apprised of plans to comply with AB 98



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## STRATEGIC PLAN ALIGNMENT



**Community Well-Being**  
Ensure safe and inclusive neighborhoods where everyone can thrive.



**Infrastructure, Mobility & Connectivity**  
Ensure safe, reliable infrastructure that benefits the community and facilitates connection between people, place and information.

**2.4.** Support programs and innovations that enhance community safety, encourage neighborhood engagement, and build public trust.

**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

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This item aligns with each thread.



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity




Innovation


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## RECOMMENDATION

- That the Mobility and Infrastructure Committee review and recommend that City Council approve establishment of the proposed axle restriction prohibiting use by commercial vehicles exceeding 3 axles on the segment of Madison Street from Indiana Avenue to Victoria Avenue.


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