

ESTABLISHMENT OF AXLE RESTRICTION SEGMENT OF MADISON STREET – ORDINANCE INTRODUCTION

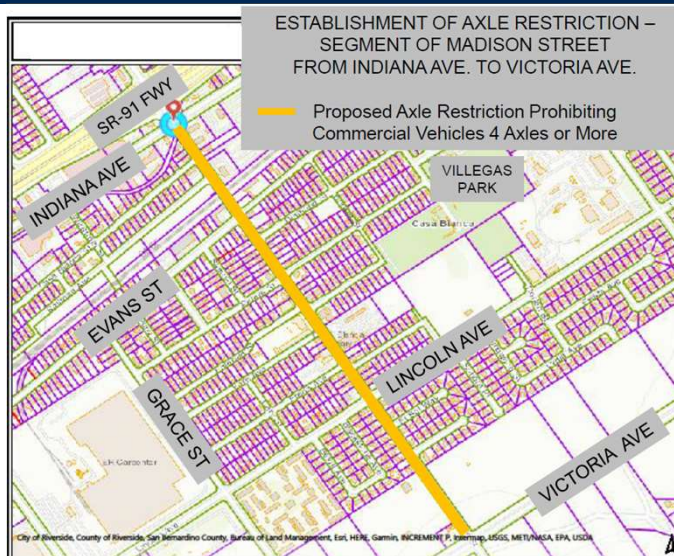
Public Works Department

City Council Meeting
March 11, 2025

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SITE 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 exceeding 3 axles is proposed for the segment of Madison St. from Indiana Ave. to Victoria Ave.
- Based on March 2024 traffic count data within this segment of Madison St., an axle restriction is recommended due to a combined 4% truck use which exceeds the FHWA 3% truck threshold.



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BOARD & COMMITTEE RECOMMENDATIONS

- On 8/7/24, the Transportation Board unanimously recommended approval of the proposed axle restriction prohibiting use by trucks exceeding 3 axles on the segment of Madison St. from Indiana Ave. to Victoria Ave.; and
- On 11/14/24, the Mobility & Infrastructure Committee unanimously recommended approval of the proposed axle restriction on the segment of Madison St. from Indiana Ave. to Victoria Ave.



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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.







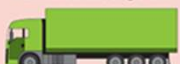







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VEHICLE CLASSIFICATIONS

FHWA Vehicle Classifications				<input type="checkbox"/> Passenger Vehicles	<input type="checkbox"/> 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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VEHICLE CLASSIFICATIONS

NB Madison St south of Indiana

Percentage of vehicle type														Total	Total % Non-Trucks	Total % Trucks
Bikes	Cars & Trlrs	2 Axle Long	Buses	2 Axl 6 Tires	3 Axl Single	4 Axl Single	<5 Axl Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle 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														Total	Total % Non-Trucks	Total % Trucks
Bikes	Cars & Trlrs	2 Axle Long	Buses	2 Axl 6 Tires	3 Axl Single	4 Axl Single	<5 Axl Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle 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														Total	Total % Non-Trucks	Total % Trucks
Bikes	Cars & Trlrs	2 Axle Long	Buses	2 Axl 6 Tires	3 Axl Single	4 Axl Single	<5 Axl Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle 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	




SIGN SAMPLES



NEW LAW: ASSEMBLY BILL 98

- Requires local agencies to adopt changes to their circulation elements to create designated truck routes by January 2026;
- Riverside opposed the bill text in its adopted form, but is developing plans to comply;
- 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'; and
- Staff will keep the City Council 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

This item aligns with each thread.

 Community Trust

 Fiscal Responsibility

 Sustainability & Resiliency

 Equity

 Innovation


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RECOMMENDATION

- That the City Council introduce and subsequently adopt an ordinance amending Title 10, Section 10.56.050 of the Riverside Municipal Code to establish an axle restriction prohibiting use by trucks exceeding 3 axles on the segment of Madison Street from Indiana Avenue to Victoria Avenue.

