



# **ESTABLISHMENT OF AXLE RESTRICTION - SEGMENT OF MADISON STREET**

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## **Public Works Department**

Transportation Board Meeting  
August 7, 2024

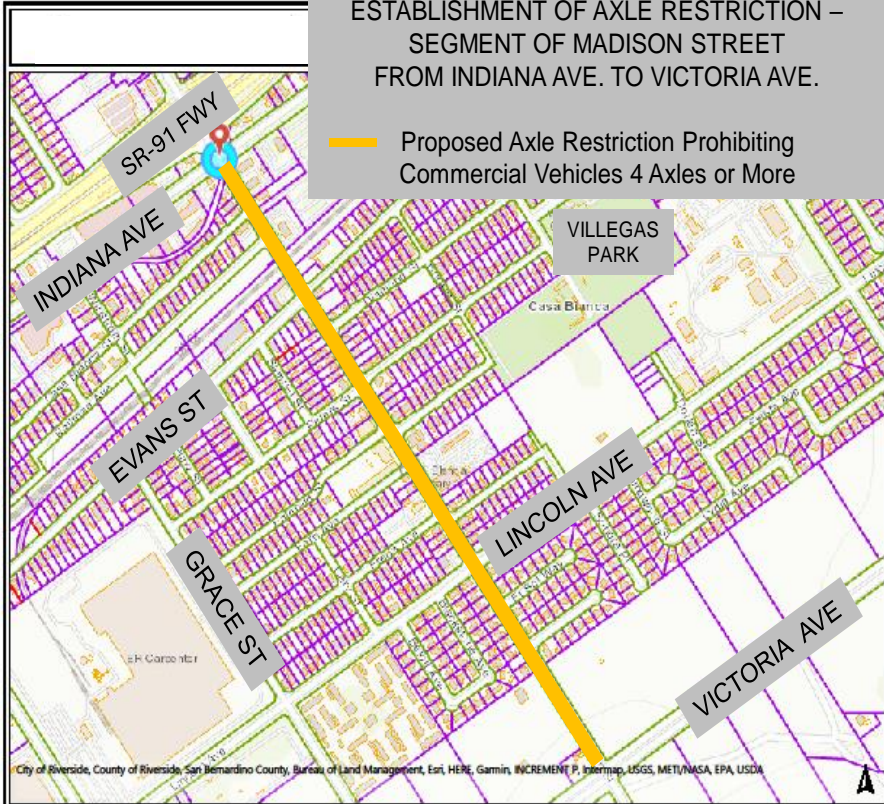
# BACKGROUND

- 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.

# SITE MAP / AERIAL MAP

ESTABLISHMENT OF AXLE RESTRICTION –  
SEGMENT OF MADISON STREET  
FROM INDIANA AVE. TO VICTORIA AVE.

Proposed Axle Restriction Prohibiting  
Commercial Vehicles 4 Axles or More



- Legend**
- Ancillary/Cadastral/Services
    - Assessor Tax Line Only
    - Assessor Tax Line Only
  - Parcels/W/Owner
    - Parcel Lines
    - Parcel Lot Line
    - ROW Parcel Lines
  - Administrative Boundary
    - City Boundary
  - General Reference
    - Freeways
  - Cadastral
    - Parcel
  - Planimetric
    - Buildings

**Notes**

This map is a user generated static output from an internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION



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- Legend**
- Administrative Boundary
    - City Boundary
  - General Reference
    - Freeway Shield
    - State Hwys
    - Freeways
  - Cadastral
    - Parcel
  - 2021 Orthos
    - Red: Band\_1
    - Green: Band\_2
    - Blue: Band\_3

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# STREET VIEW PHOTO



# DISCUSSION












- Public Works is proposing establishment of an axle restriction prohibiting use by trucks in excess of 3 axles on the segment of Madison St. from Indiana Ave. to Victoria Ave.
- The axle restriction is recommended based on the March 2024 count data which showed a combined 4% truck use which exceeds the FHWA 3% standard threshold.

# 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.



# VEHICLE CLASSIFICATIONS

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

# 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 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

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

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



# STRATEGIC PLAN ALIGNMENT



## Community Well-Being

Ensure safe and inclusive neighborhoods where everyone can thrive.

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.



## Infrastructure, Mobility & Connectivity

Ensure safe, reliable infrastructure that benefits the community and facilitates connection between people, place and information.

## Cross-Cutting Threads

This item aligns with each thread.



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation

# RECOMMENDATION

- That the Transportation Board review and recommend that the Mobility and Infrastructure Committee review and recommend approval of the establishment of the proposed axle restriction on the segment of Madison St. from Indiana Avenue to Victoria Avenue.