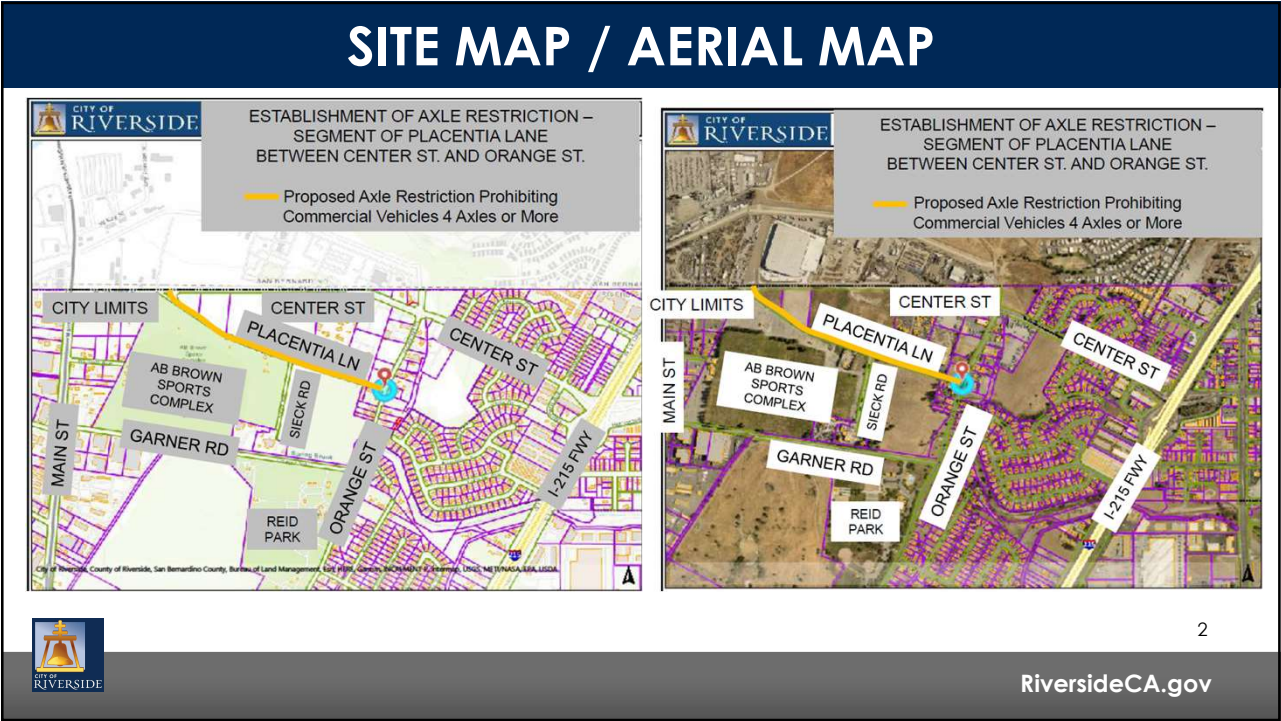


# ESTABLISHMENT OF AXLE RESTRICTION - SEGMENT OF PLACENTIA LANE

Public Works Department

Transportation Board Meeting  
October 2, 2024

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## BACKGROUND

- Residents have reported large commercial truck traffic on Placentia Lane from Center Street to Orange Street potentially cutting through between the City of Colton and the I-215 freeway.
- 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.



3

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3

## STREET VIEW PHOTO



4

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4

## DISCUSSION

- Public Works is proposing establishment of an axle restriction prohibiting use by trucks in excess of 3 axles on the segment of Placentia Lane from Center Street to Orange Street.
- The axle restriction is recommended based on the March 2024 count data which showed a combined 15.8% truck use which exceeds the FHWA 3% standard threshold.
- The restriction will not impact local-serving trips with destinations on Placentia Lane



5

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5

## INTENT OF PROPOSED AXLE RESTRICTION

1. To restrict cut-through commercial truck traffic use of the designated segment of Placentia Lane;
2. Improve safety and operations along the Placentia Lane corridor;
3. Preserve the condition of the pavement; and
4. Reduce resulting noise along the street segment.
5. Augment the existing nearby restriction on Orange Street







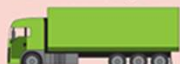






6

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6

# VEHICLE CLASSIFICATIONS

FHWA Vehicle Classifications				<input type="checkbox"/> Passenger Vehicles	<input type="checkbox"/> 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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7

# VEHICLE CLASSIFICATIONS

EB Placentia between Center &amp; Orange

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
0.5	52.6	24.2	1.5	10.1	3	0	2.5	5.6	0	0	0	0	100	87.4	12.6

WB Placentia between Center &amp; Orange

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
1	38.5	22.2	7.3	21.2	4.2	0.6	1.2	2.4	0.6	0	0	0.8	100	82.9	17.1

EB &amp; WB Placentia between Center &amp; Orange

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	42.4	22.8	5.6	18	3.9	0.4	1.6	3.3	0.4	0	0	0.6	99.9	84.1	15.8



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8

## SIGN SAMPLES



9

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9

## 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



10

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10

## 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 Placentia Lane from Center Street to Orange Street.



11

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