

ESTABLISHMENT OF AXLE RESTRICTION – TRAUTWEIN ROAD

Public Works Department

City Council Meeting
September 19, 2023

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BACKGROUND

- Residents have reported cut-through truck traffic traveling along Trautwein Road to bypass use of local area freeways.
- 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 and may improve safety and reduce noise.



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BACKGROUND

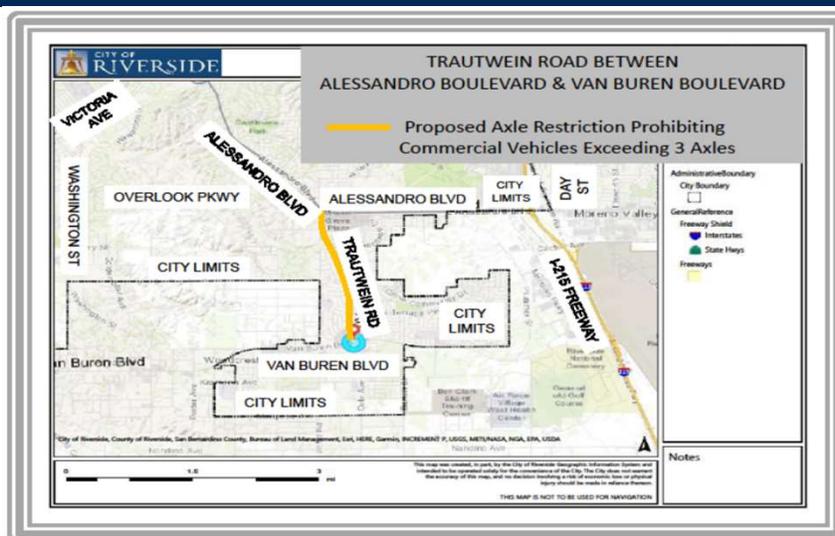
- Historic classification counts have been conducted along Trautwein Road to assess truck traffic levels.
- Historic classification counts on Trautwein Road:
 1. Were conducted annually between 2018 and 2020; and
 2. Were supported as a means of periodic reassessment due to resident concerns and reported increases in truck use.



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SITE MAP



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DISCUSSION

- Counts conducted in May 2022 showed a combined truck volume of 6.2% along the Trautwein corridor.
- May 2022 count data reflected combined truck use over double the 3% threshold and northbound use at 9.1% (over triple the threshold).
- City use of a 3% threshold to assess disproportionate commercial truck traffic is consistent with FHWA guidelines.



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VEHICLE CLASSIFICATIONS

FHWA Vehicle Classifications				<input checked="" 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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MAY 2022 COUNT DATA ANALYSIS										
TRATUWEIN ROAD - PERCENTAGE OF TRUCKS BY TYPE										TOTAL % TRUCKS
NORTH-BOUND	BUSES	3 AXLE SINGLE	4 AXLE SINGLE	<5 AXLE DOUBLE	5 AXLE DOUBLE	<6 AXLE DOUBLE	<6 AXLE MULTI	6 AXLE MULTI	>6 AXLE MULTI	9.1%
	0.4	0.5	0.4	5.4	0.2	0.5	0.1	1.6	0	
SOUTH-BOUND	BUSES	3 AXLE SINGLE	4 AXLE SINGLE	<5 AXLE DOUBLE	5 AXLE DOUBLE	<6 AXLE DOUBLE	<6 AXLE MULTI	6 AXLE MULTI	>6 AXLE MULTI	3.2%
	0.3	0.4	0.1	1.1	0.1	0.1	0.1	1	0	
COMBINED	BUSES	3 AXLE SINGLE	4 AXLE SINGLE	<5 AXLE DOUBLE	5 AXLE DOUBLE	<6 AXLE DOUBLE	<6 AXLE MULTI	6 AXLE MULTI	>6 AXLE MULTI	6.2%
	0.4	0.4	0.3	3.3	0.1	0.3	0.1	1.3	0	
 ABOVE THE 3% MAXIMUM THRESHOLD 7										
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PROPOSAL

- May 2022 count data supports regulating heavy truck traffic on Trautwein Road due to substantially higher than threshold truck levels.
- The Public Works Department is proposing establishment of an axle restriction prohibiting commercial vehicles exceeding 3 axles on Trautwein Road between Alessandro Boulevard and Van Buren Boulevard.
- If approved, changeable message signs would be deployed to inform motorists of the adopted axle restriction.


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SIGN SAMPLES



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MOBILITY & INFRASTRUCTURE COMMITTEE REVIEW

- On July 13, 2023, the Mobility & Infrastructure Committee reviewed and unanimously recommended the proposed axle restriction prohibiting use by commercial vehicles exceeding three axles on Trautwein Road from Alessandro to Van Buren Boulevards.
- A Navigation company (Garmin) confirmed the City's adopted weight limit and axle restrictions are included on the maps at surveyed locations.
- Most popular navigation apps do not offer a "truck" mode



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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 City Council introduce and subsequently adopt the attached Ordinance amending Section 10.56.050 of the Riverside Municipal Code (RMC) to establish an axle restriction prohibiting use of commercial vehicles exceeding three axles on Trautwein Road from Alessandro Boulevard to Van Buren Boulevard.



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