



COUNCIL DISTRICT 5 PROJECT  
COUNCIL PRESIDENT CYNTHIA D. BORREGO

2021

# Rainbow Boulevard TRAFFIC CALMING AND PEDESTRIAN SAFETY STUDY



**LEE ENGINEERING**

505.338.0988



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Albuquerque, NM 87113



# INTRODUCTION



COUNCIL DISTRICT 5 PROJECT  
COUNCIL PRESIDENT CYNTHIA D. BORREGO

**LEE ENGINEERING**

# WAYS TO STAY INFORMED



Type your email in the Chat box to be added to the contact list.



Send an email to Diane Dolan [ddolan@cabq.gov](mailto:ddolan@cabq.gov) with your contact information.



Visit: <https://www.cabq.gov/council/find-your-councilor/district-5/rainbow-blvd-traffic-calming-and-pedestrian-safety-study>

# TIMELINE

Data Collection and Site Visit	August/September 2021
Traffic Data and Safety Analysis	September 2021
Stakeholder Day	October 20, 2021
<b>Public Meeting</b>	<b>October 20, 2021</b>
Identification of Safety Countermeasures and Strategies	November 2021
Final Stakeholder Meeting	November 17, 2021*
Final Report	January 2022

\*Tentative

# STUDY AREA

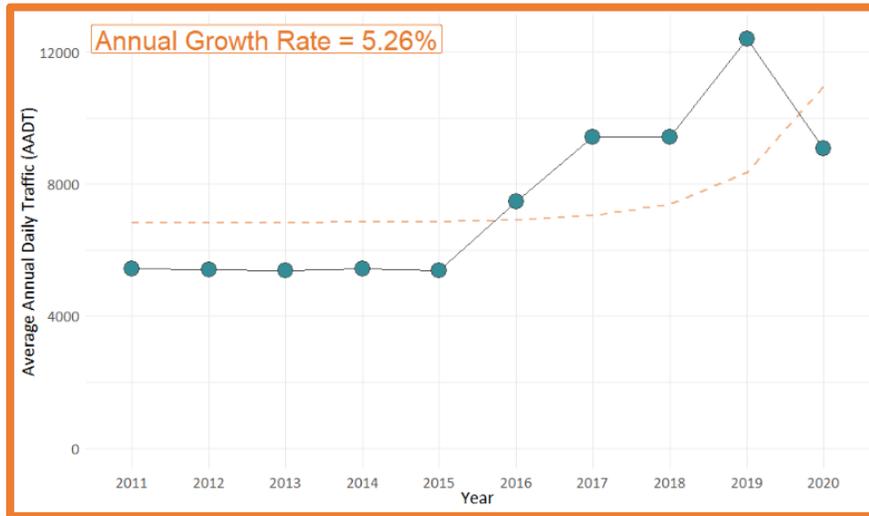
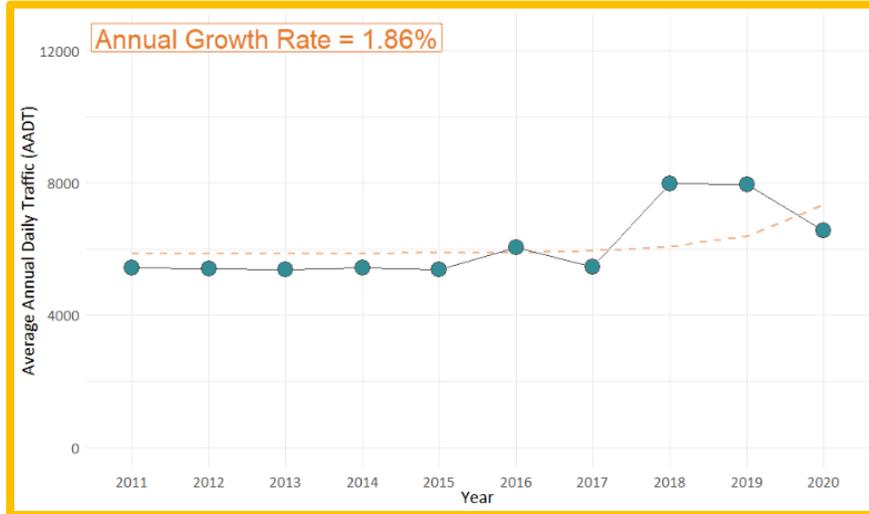
- 1.1-mile corridor
- Paseo Del Norte to southern property line of Volcano Vista High School



# STUDY AREA



# STUDY AREA



## Rainbow Blvd. Traffic Calming Study

— Study Corridor



## Rainbow Blvd. Traffic Calming Study

Data Collection

 Pneumatic Tube - Speed and Class

 Study Corridor



# DATA COLLECTION PROCESS

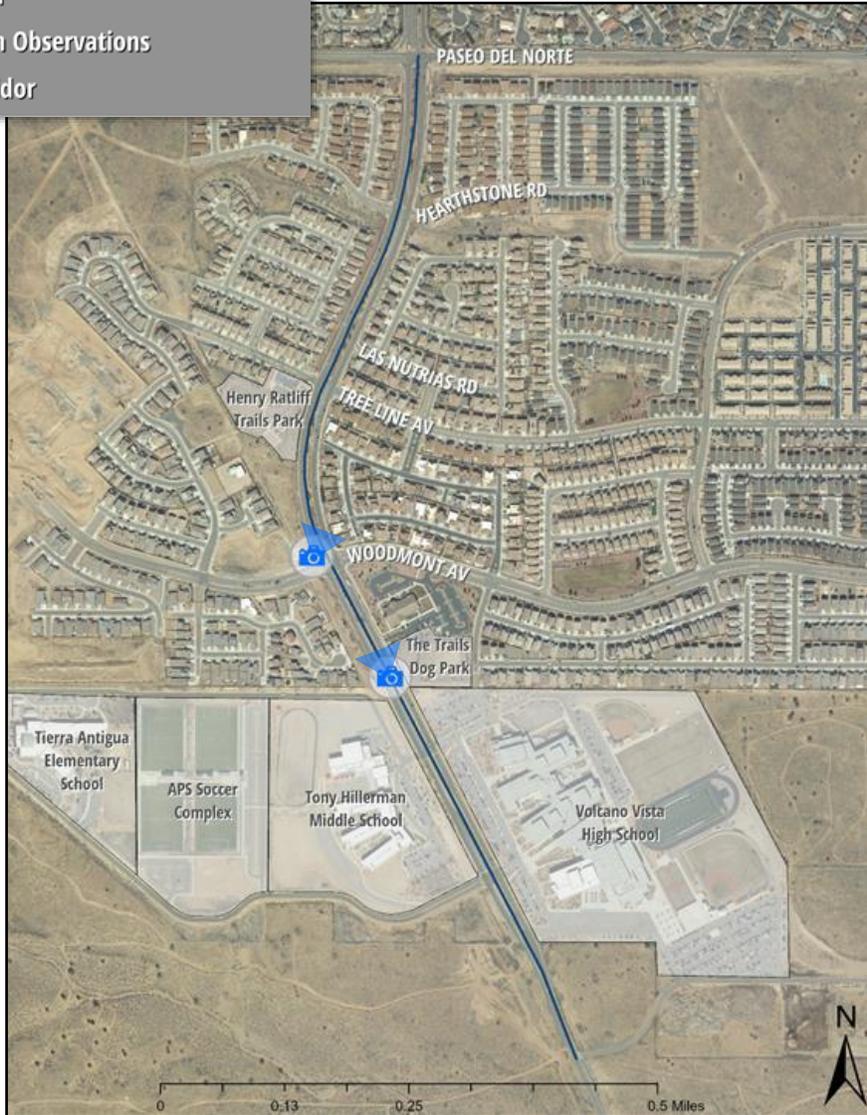
- 4 pneumatic tube locations - Collected vehicle speed, volumes and classifications

## Rainbow Blvd. Traffic Calming Study

### Data Collection

 Pedestrian Observations

 Study Corridor

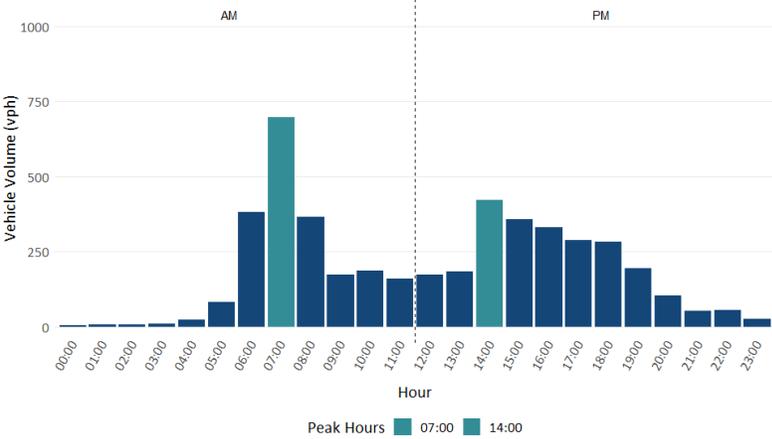


# DATA COLLECTION PROCESS

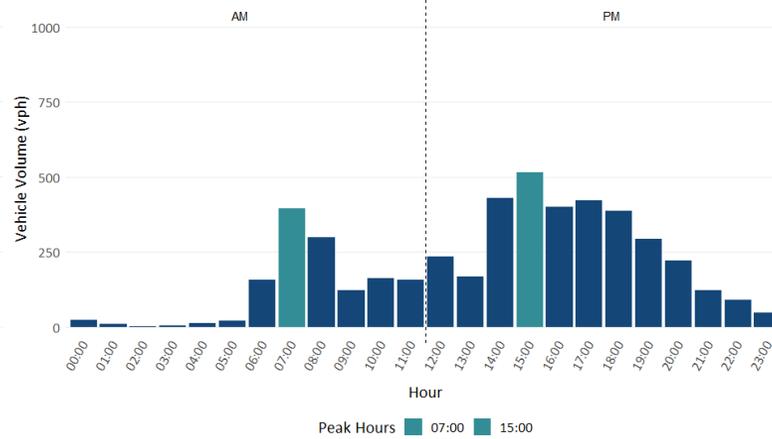
- 2 Cameras - Collected pedestrian movements

# VEHICLE VOLUMES

## Southbound



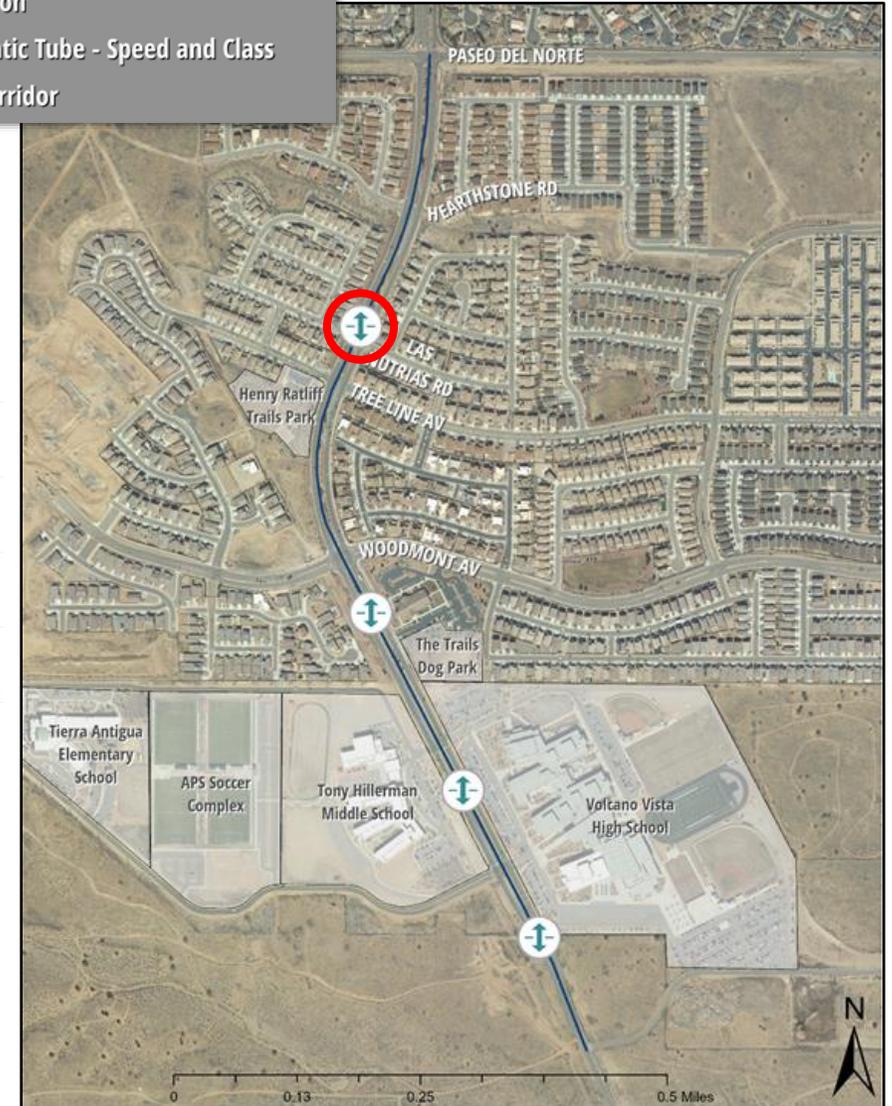
## Northbound



## Rainbow Blvd. Traffic Calming Study

Data Collection

- Pneumatic Tube - Speed and Class
- Study Corridor



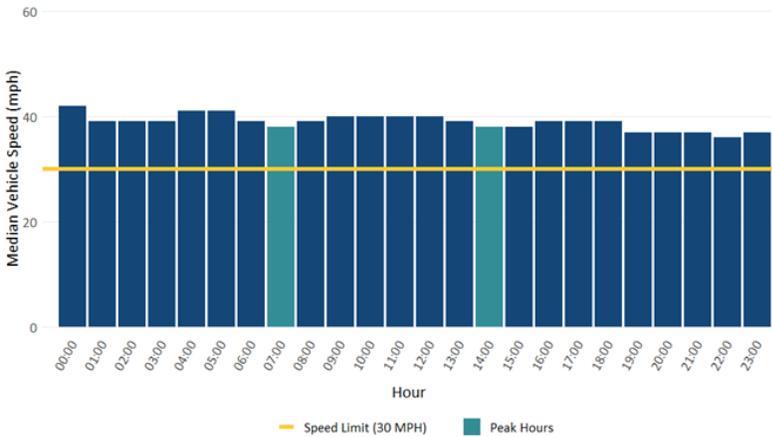
# VEHICLE SPEEDS

## Rainbow Blvd. Traffic Calming Study

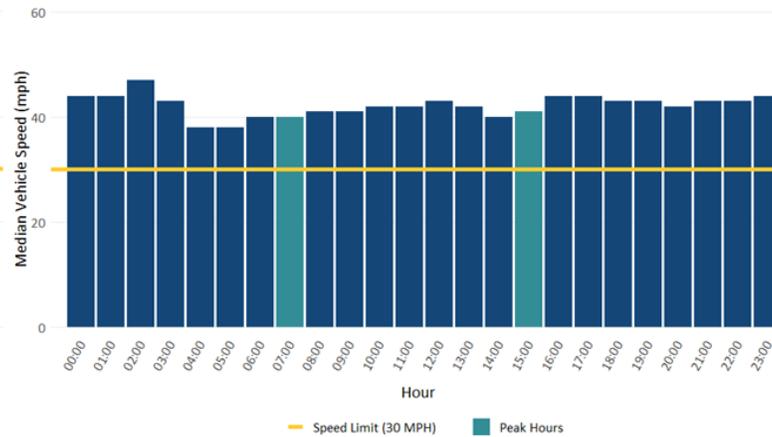
Data Collection

-  Pneumatic Tube - Speed and Class
-  Study Corridor

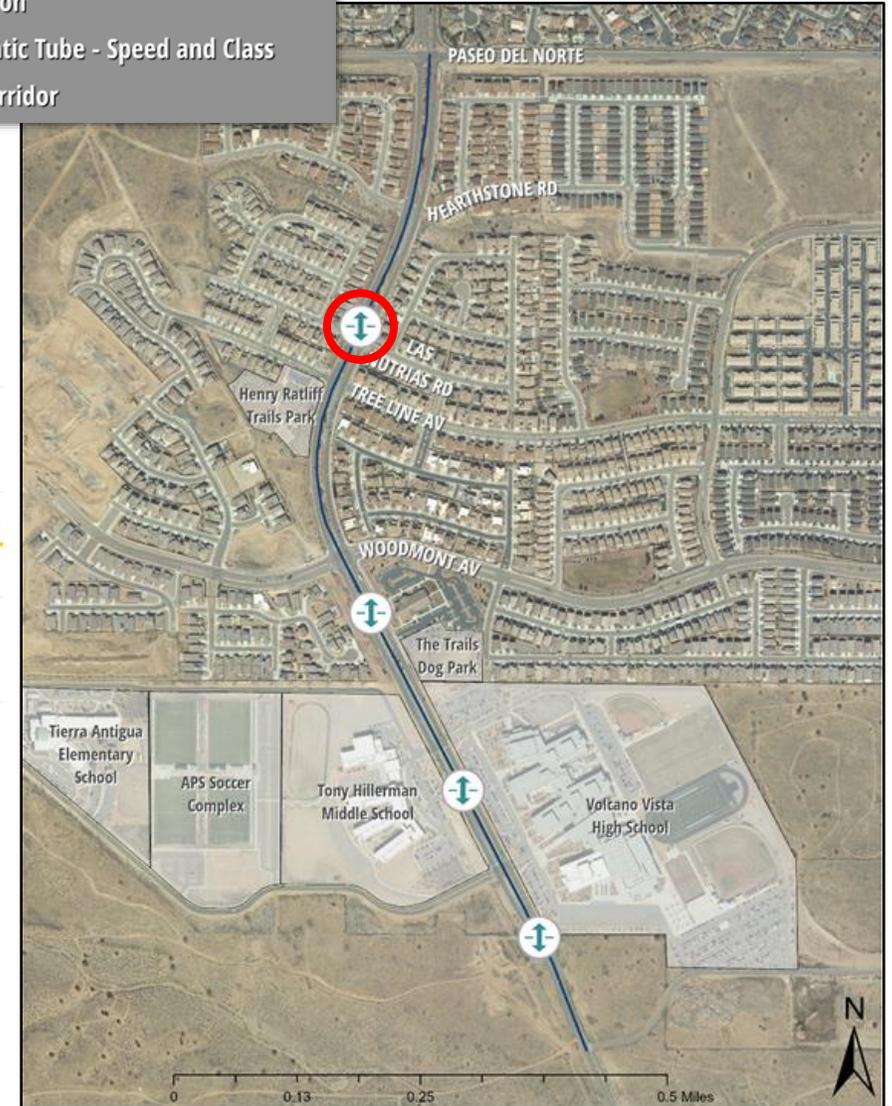
### Southbound



### Northbound

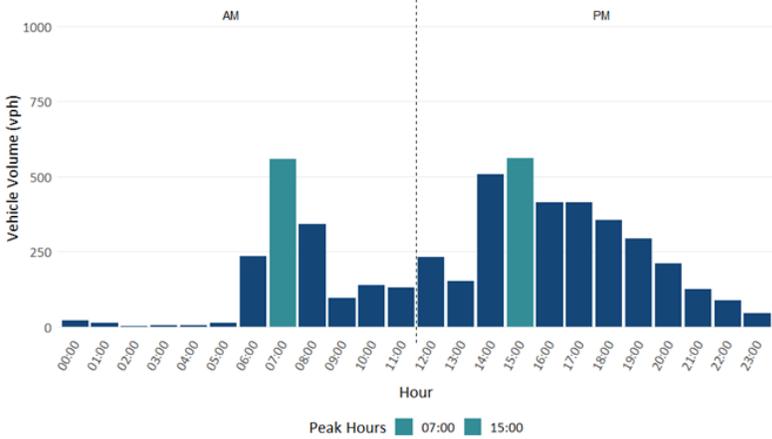


	SB	NB
<b>Average Speed (MPH)</b>	39	41
<b>50<sup>th</sup> Percentile Speed (MPH)</b>	39	42
<b>85<sup>th</sup> Percentile Speed (MPH)</b>	44	48

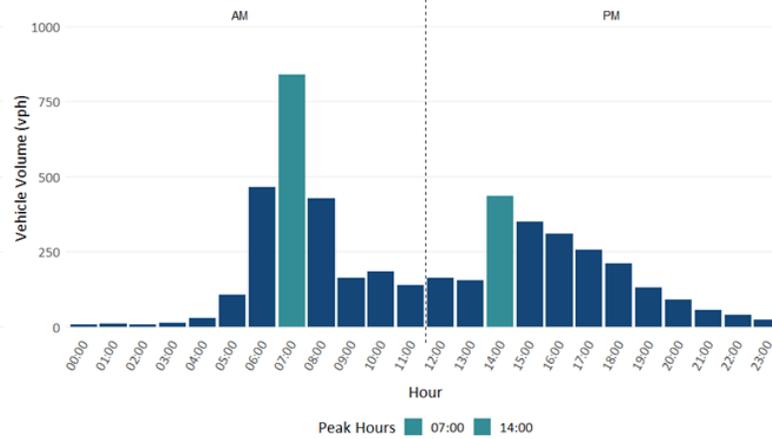


# VEHICLE VOLUMES

## Southbound



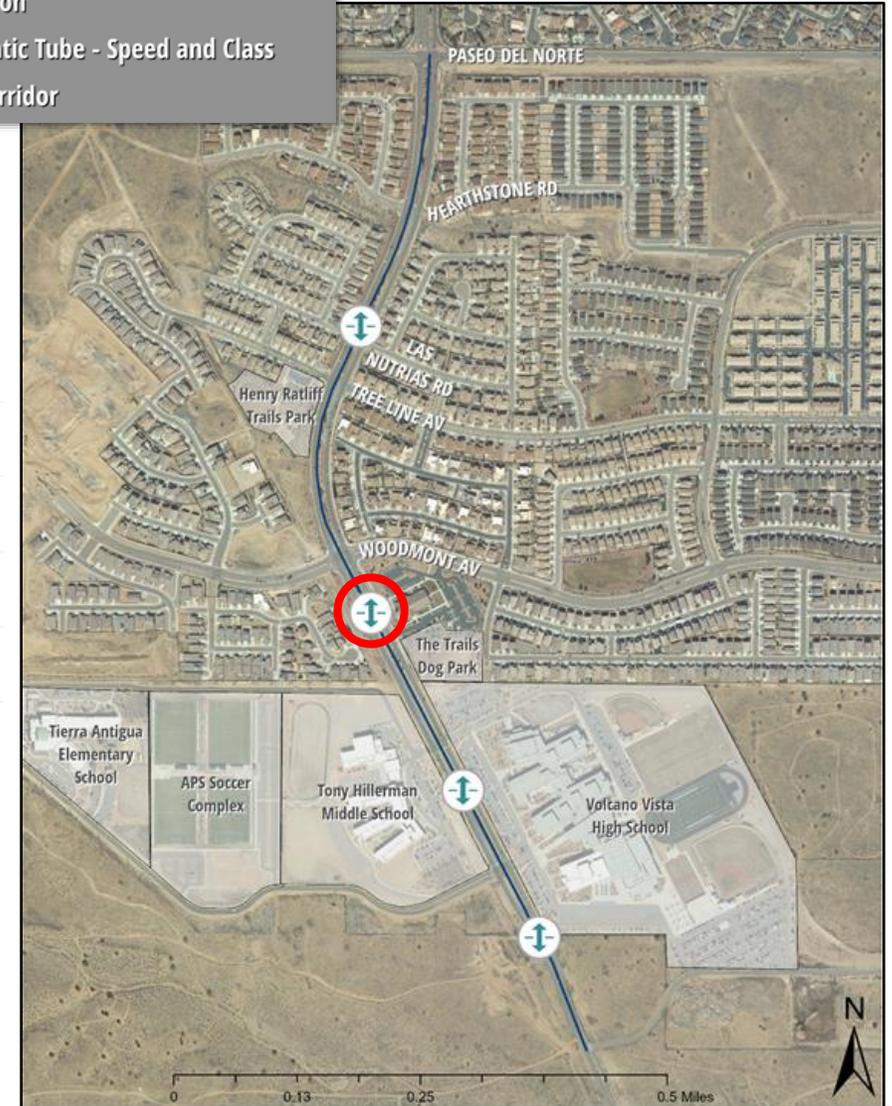
## Northbound



## Rainbow Blvd. Traffic Calming Study

Data Collection

- Pneumatic Tube - Speed and Class
- Study Corridor



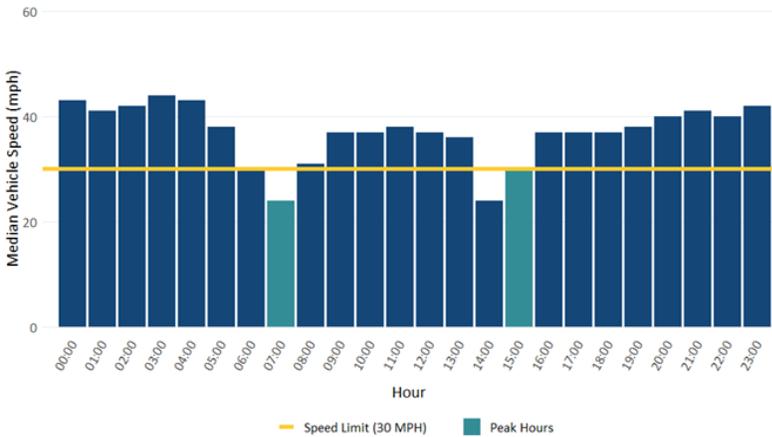
# VEHICLE SPEEDS

## Rainbow Blvd. Traffic Calming Study

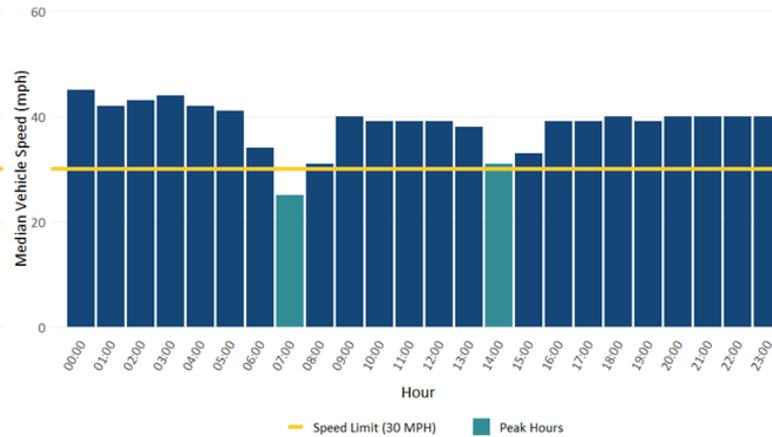
Data Collection

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-  Study Corridor

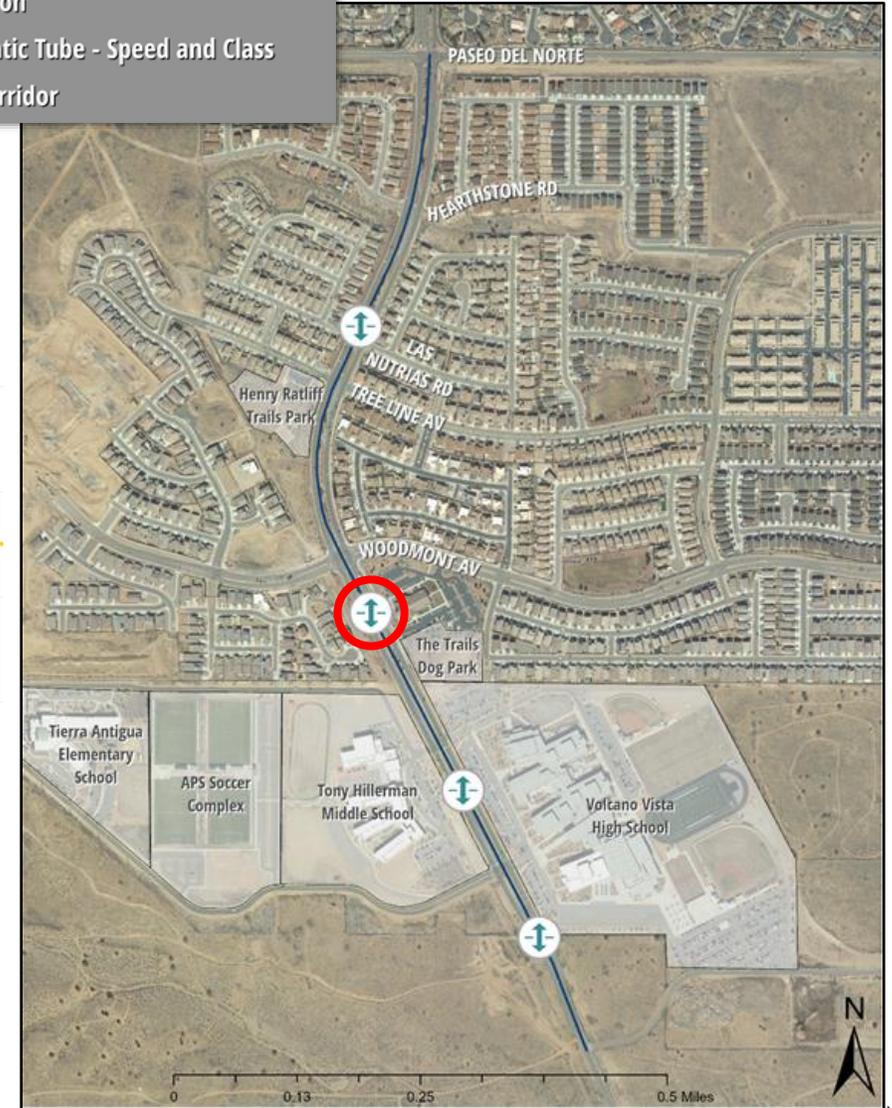
### Southbound



### Northbound

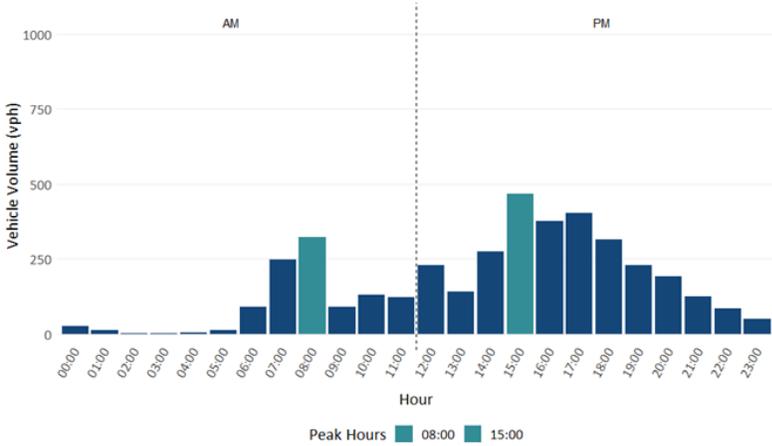


	SB	NB
<b>Average Speed (MPH)</b>	33	34
<b>50<sup>th</sup> Percentile Speed (MPH)</b>	34	34
<b>85<sup>th</sup> Percentile Speed (MPH)</b>	42	43

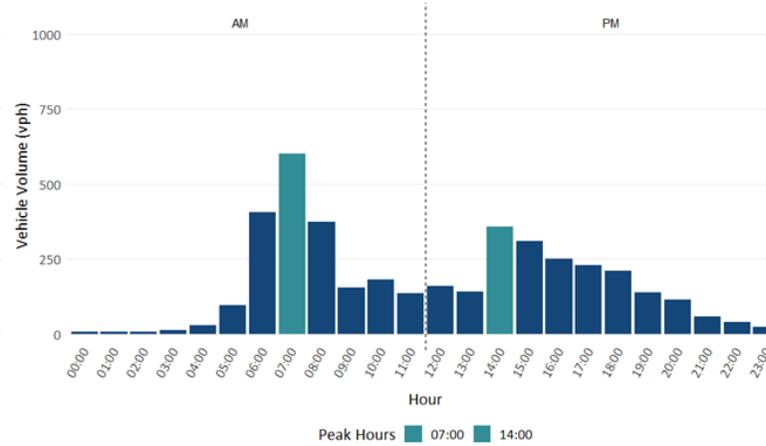


# VEHICLE VOLUMES

## Southbound



## Northbound



## Rainbow Blvd. Traffic Calming Study

Data Collection

- Pneumatic Tube - Speed and Class
- Study Corridor



# VEHICLE SPEEDS

## Rainbow Blvd. Traffic Calming Study

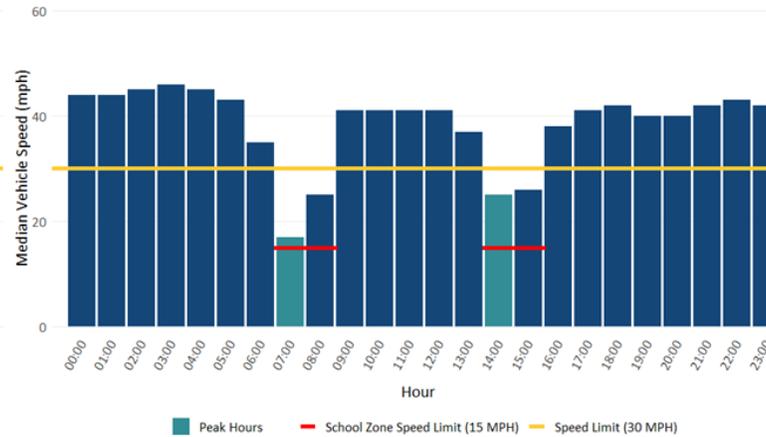
Data Collection

-  Pneumatic Tube - Speed and Class
-  Study Corridor

### Southbound



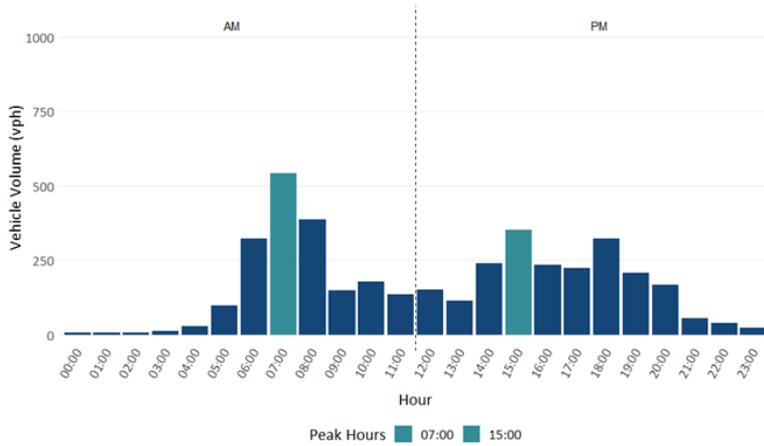
### Northbound



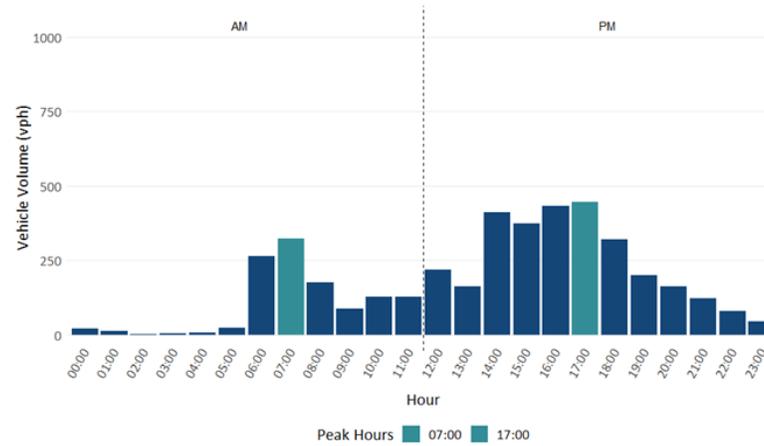
	SB	NB	SB (15 MPH)	NB (15 MPH)
<b>Average Speed (MPH)</b>	36	33	23	23
<b>50<sup>th</sup> Percentile Speed (MPH)</b>	39	35	19	21
<b>85<sup>th</sup> Percentile Speed (MPH)</b>	48	45	35	33

# VEHICLE VOLUMES

## Southbound



## Northbound



## Rainbow Blvd. Traffic Calming Study

Data Collection

- Pneumatic Tube - Speed and Class
- Study Corridor



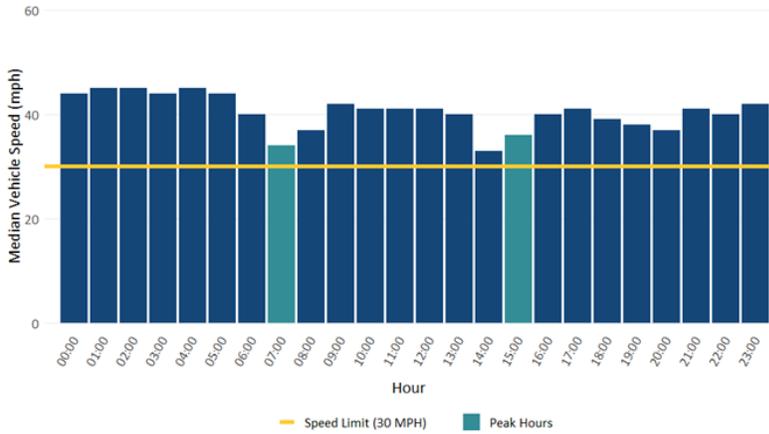
# VEHICLE SPEEDS

## Rainbow Blvd. Traffic Calming Study

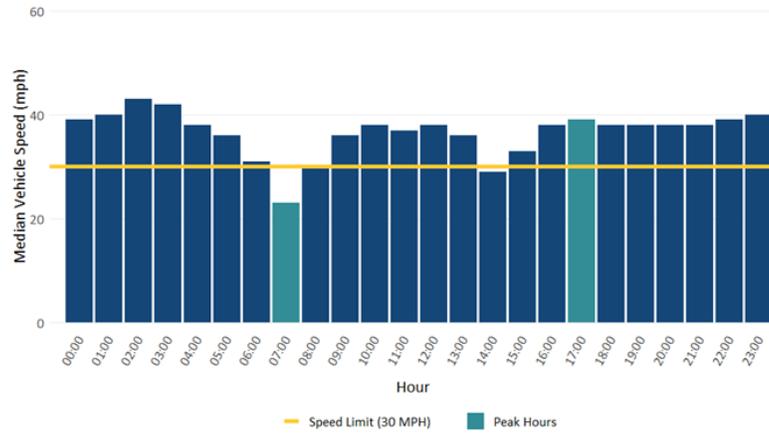
Data Collection

-  Pneumatic Tube - Speed and Class
-  Study Corridor

### Southbound



### Northbound



	SB	NB
<b>Average Speed (MPH)</b>	38	34
<b>50<sup>th</sup> Percentile Speed (MPH)</b>	38	36
<b>85<sup>th</sup> Percentile Speed (MPH)</b>	45	42

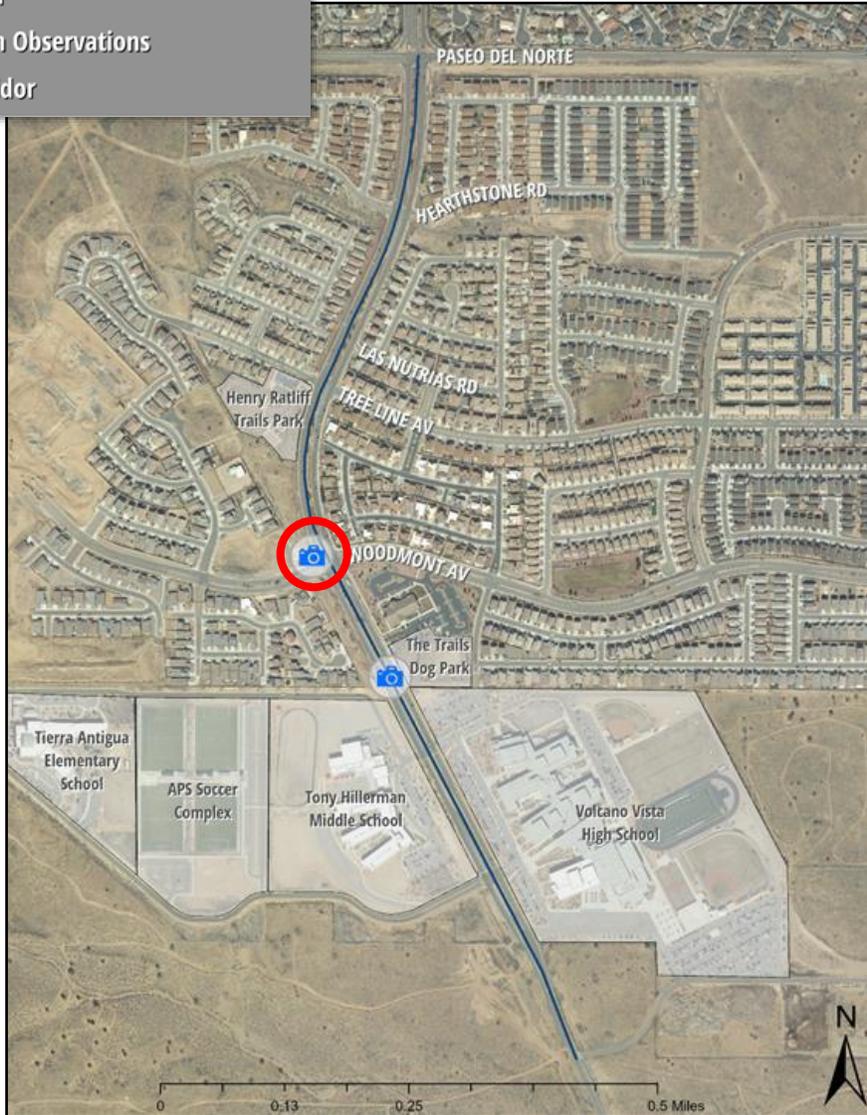


# Rainbow Blvd. Traffic Calming Study

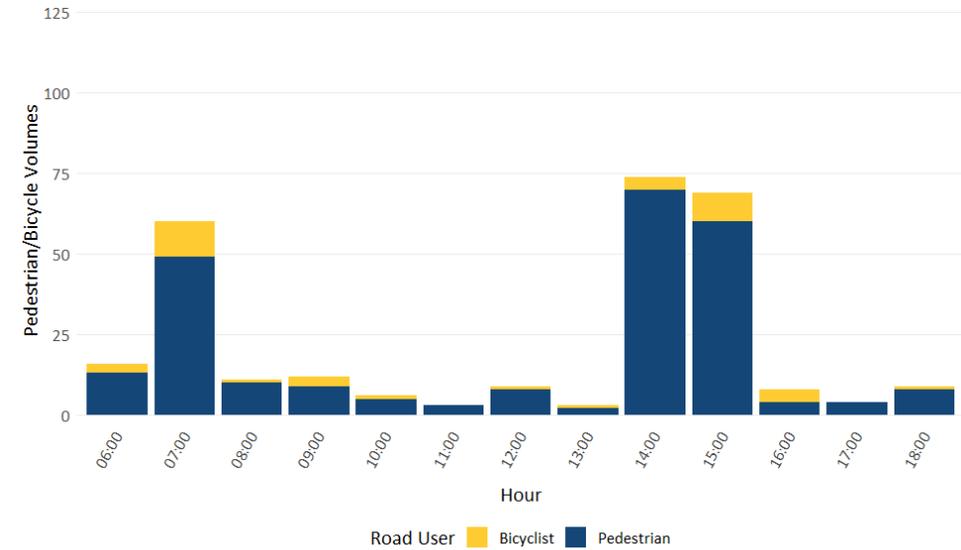
Data Collection

 Pedestrian Observations

 Study Corridor



# PEDESTRIAN/BICYCLE ACTIVITY



	Direction of Travel	Side of Rainbow Blvd.	
		West	East
Pedestrian	Northbound	87	71
	Southbound	67	20
Bicyclist	Northbound	9	10
	Southbound	17	3



# PEDESTRIAN/BICYCLE ACTIVITY





# PEDESTRIAN/BICYCLE ACTIVITY

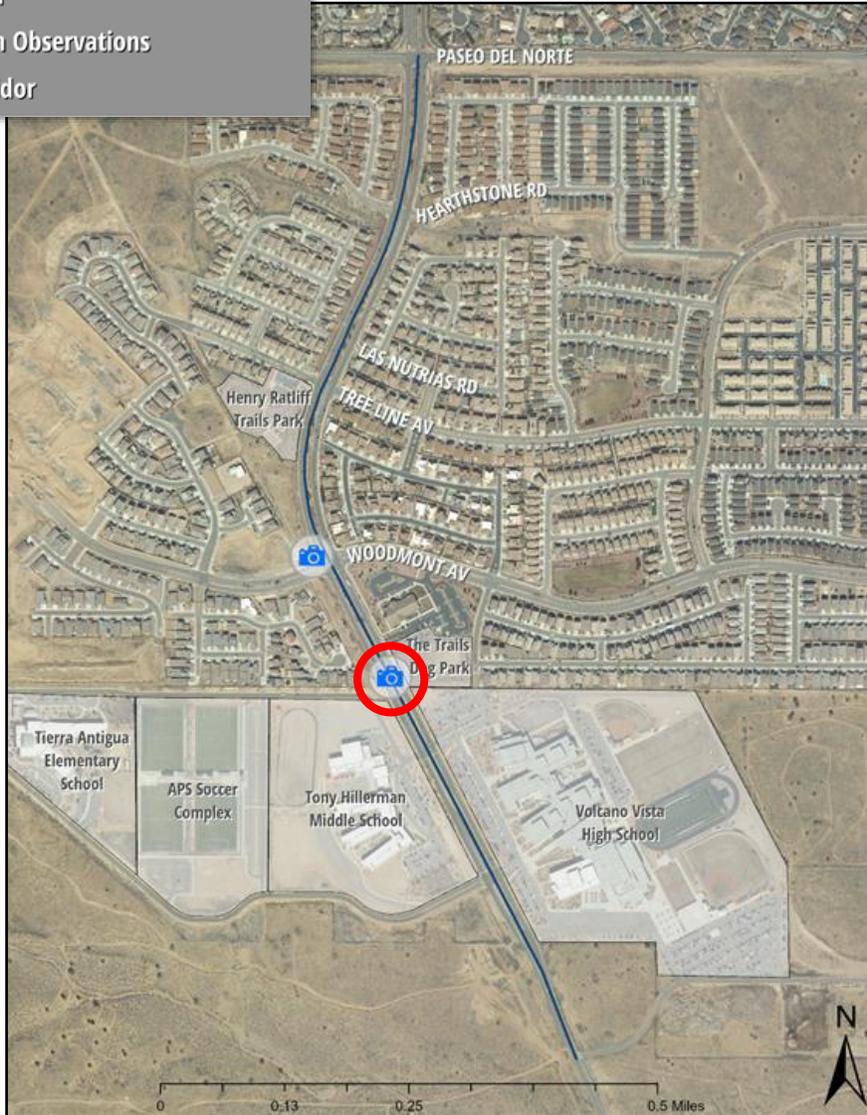


# Rainbow Blvd. Traffic Calming Study

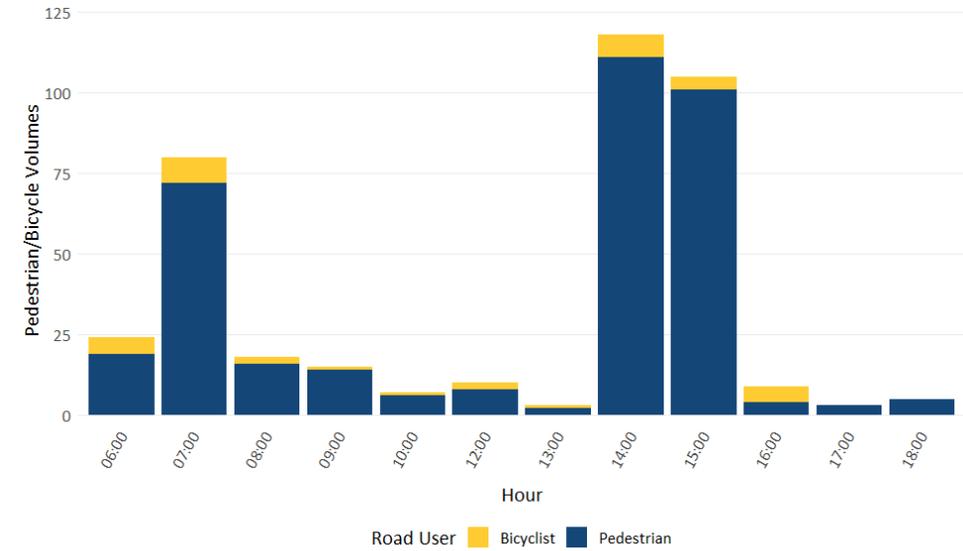
Data Collection

Pedestrian Observations

Study Corridor



# PEDESTRIAN/BICYCLE ACTIVITY



	Direction of Travel	Side of Rainbow Blvd.	
		West	East
Pedestrian	Northbound	84	159
	Southbound	42	76
Bicyclist	Northbound	3	13
	Southbound	12	8

# PEDESTRIAN/BICYCLE ACTIVITY



# CRASH SUMMARY (2015-2019)

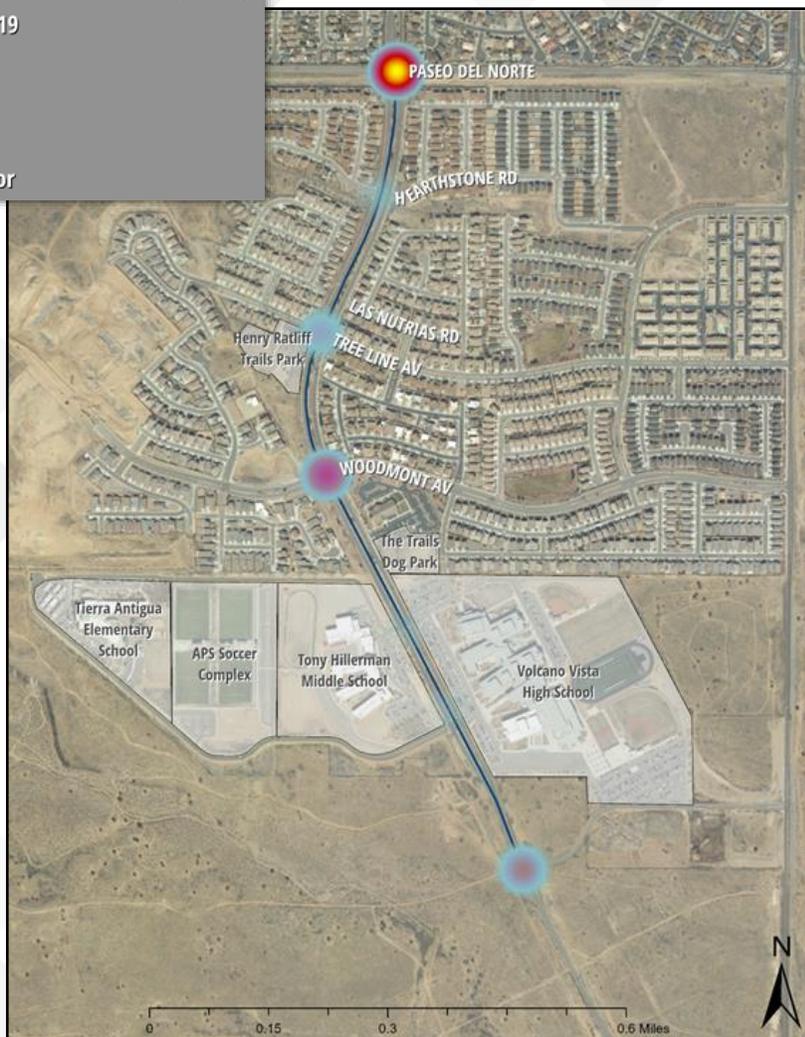
## Rainbow Blvd. Traffic Calming Study

Crashes 2015-2019

Sparse

Dense

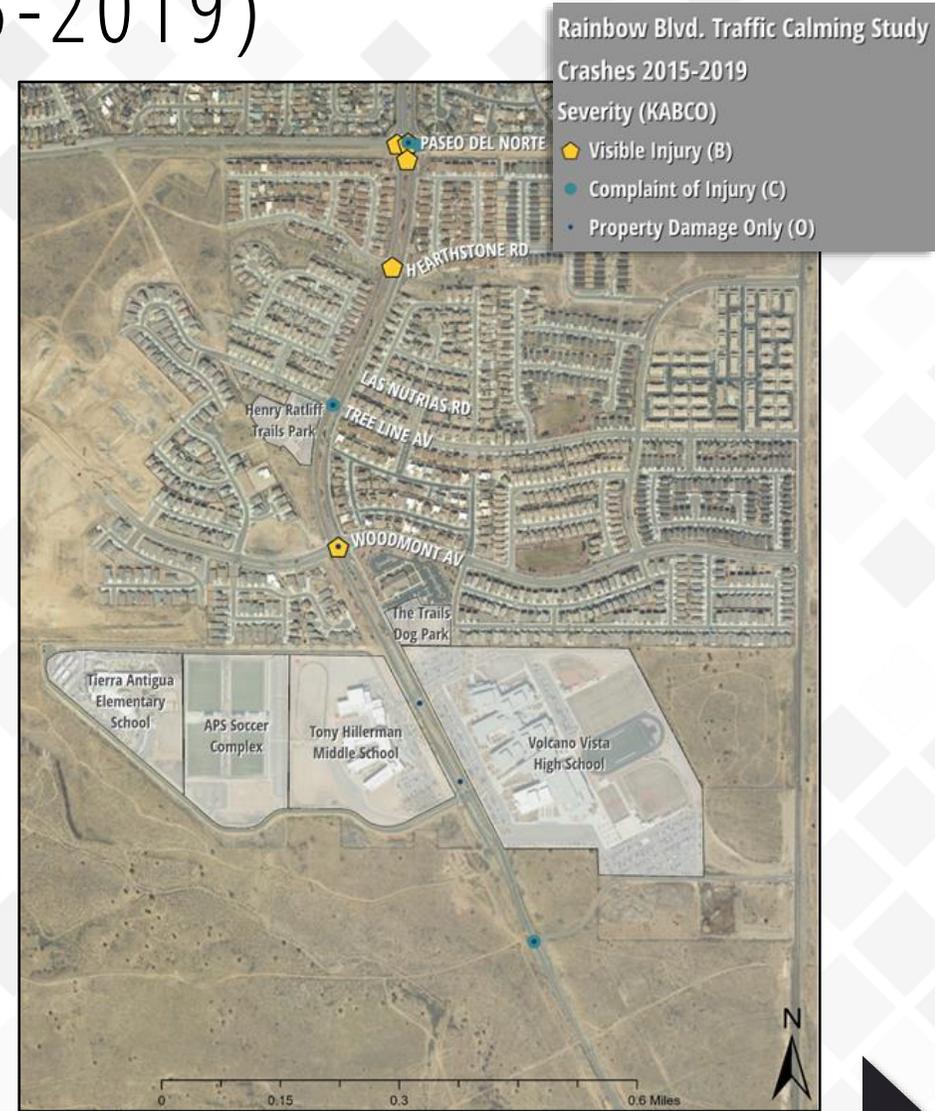
Study Corridor



	Paseo Del Norte	Hearthstone Rd	Tree Line Ave	Woodmont Ave	VVHS	South VVHS	Total
<b>Total Crashes</b>	43	2	6	16	4	8	79
<b>Intersection Crash Rate</b>	1.411	0.110	0.331	0.749	0.218	0.435	

# CRASH SUMMARY (2015-2019)

	Paseo Del Norte	Hearthstone Rd	Tree Line Ave	Woodmont Ave	VVHS	South VVHS	Total
<b>Fatal (K)</b>	0	0	0	0	0	0	0
<b>Serious Injury (A)</b>	0	0	0	0	0	0	0
<b>Visible Injury (B)</b>	5	1	0	1	0	0	7
<b>Complaint of Injury (C)</b>	13	0	2	5	0	1	21
<b>Property Damage Only (O)</b>	25	1	4	10	4	7	51
<b>Total</b>	<b>43</b>	<b>2</b>	<b>6</b>	<b>16</b>	<b>4</b>	<b>8</b>	<b>79</b>



Rainbow Blvd. Traffic Calming Study

Crashes 2015-2019

Pedestrian/Bicycle Involved



Bicycle



Pedestrian

# CRASH SUMMARY (2015-2019)



	Paseo Del Norte	Hearthstone Rd	Tree Line Ave	Woodmont Ave	VVHS	South VVHS	Total
<b>Bicycle</b>	1	0	0	1	0	0	2
<b>Pedestrian</b>	1	0	0	0	0	1	2

# CRASH SUMMARY (2015-2019)

	Paseo Del Norte	Hearthstone Rd	Tree Line Ave	Woodmont Ave	VVHS	South Driveway VVHS	Total
Driver Inattention	13	0	0	7	2	1	23
Failed to Yield Right of Way	4	0	4	2	0	3	13
Missing Data	4	0	2	1	1	2	10
Following Too Closely	5	0	0	2	1	0	8
Disregarded Traffic Signal	5	0	0	1	0	0	6
Excessive Speed	3	1	0	1	0	1	6
None	3	0	0	0	0	0	3
Other Improper Driving	2	0	0	1	0	0	3
Vehicle Skidded Before Brake	1	0	0	1	0	0	2
Alcohol/Drug Involved	1	0	0	0	0	0	1
Avoid No Contact - Vehicle	0	1	0	0	0	0	1
Made Improper Turn	1	0	0	0	0	0	1
Other Mechanical Defect	1	0	0	0	0	0	1
Speed Too Fast for Conditions	0	0	0	0	0	1	1

# OBSERVED CHALLENGES

## SPEEDING



# OBSERVED CHALLENGES

## WORN/FADED PAVEMENT MARKINGS



# OBSERVED CHALLENGES

## LONG CROSSING DISTANCES



# OBSERVED CHALLENGES

## UNMARKED CROSSWALKS

- Tree Line Ave
- Hearthstone Rd



# OBSERVED CHALLENGES

## ADA COMPLIANCE

- Tree Line Ave
- Hearthstone Rd



# OBSERVED CHALLENGES

## Site Distance

- Tree Line Ave



# OBSERVED CHALLENGES

## Site Distance

- **Hearthstone Rd**



# WAYS TO SHARE YOUR COMMENTS/FEEDBACK.

Contact Diane Dolan:



[ddolan@cabq.gov](mailto:ddolan@cabq.gov)



(505) 768-3186

A copy of this presentation will be available at:

<https://www.cabq.gov/council/find-your-councilor/district-5/rainbow-blvd-traffic-calming-and-pedestrian-safety-study>

THANK YOU

QUESTIONS?



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