



# Local Roadway Safety Plan

Council Meeting

June 13, 2023



# What is a Local Roadway Safety Plan (LRSP)?

## Study Goals:

1. Perform collision / accident analysis
2. Identify safety issues and locations on the roadway network
3. Engage community for input
4. Develop a list of effective countermeasures
5. Leverage resources to secure additional funding for traffic safety improvements

## Considers engineering and non-engineering strategies:

- 4 E's of Traffic Safety: **E**ducation, **E**nforcement, **E**ngineering and **E**mergency Medical Services (EMS)



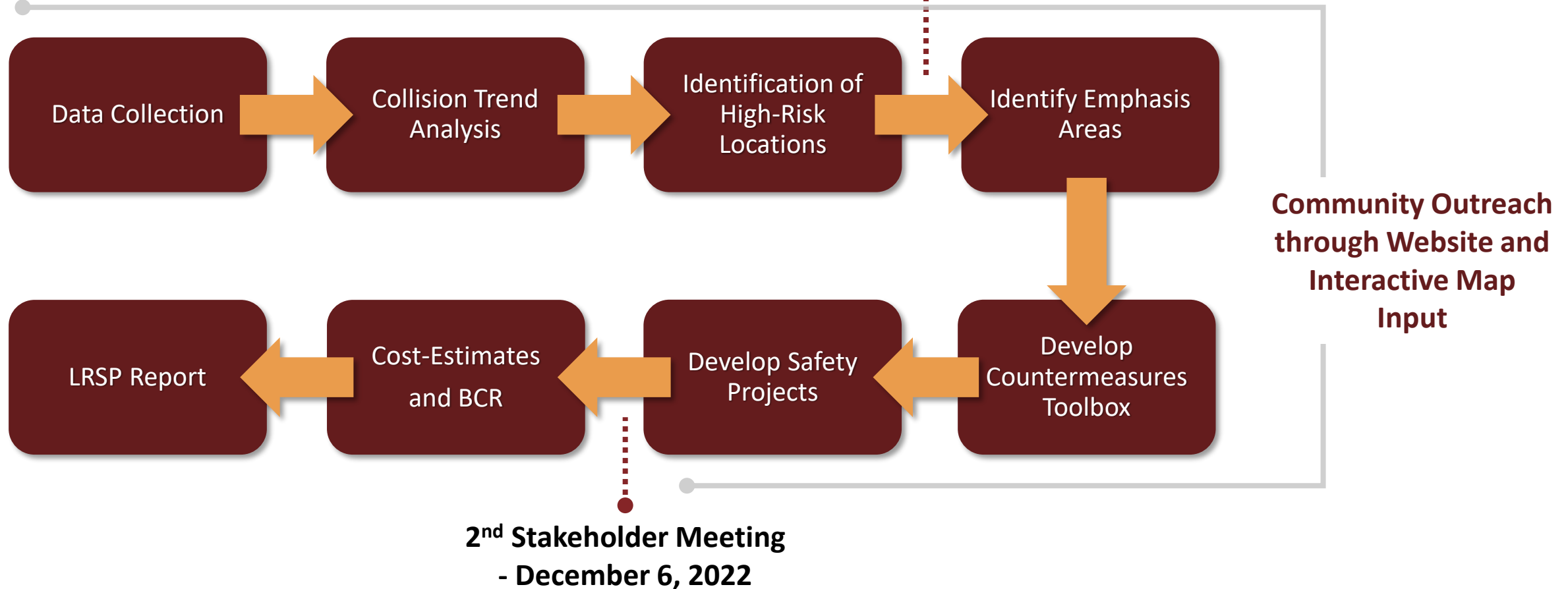
# LRSP Process

- Five-years of collision data (2017-2021) on local roadways
- Collision analysis
  - Identification of collision trends: collision types, severity, violation category, lighting conditions, etc.
  - Geographic analysis: spatial identification of top trends
- Identification of high-injury intersections and mid-block (roadway segment) locations
- Identification of countermeasures and development of countermeasure toolbox
- Develop safety projects for high-risk locations

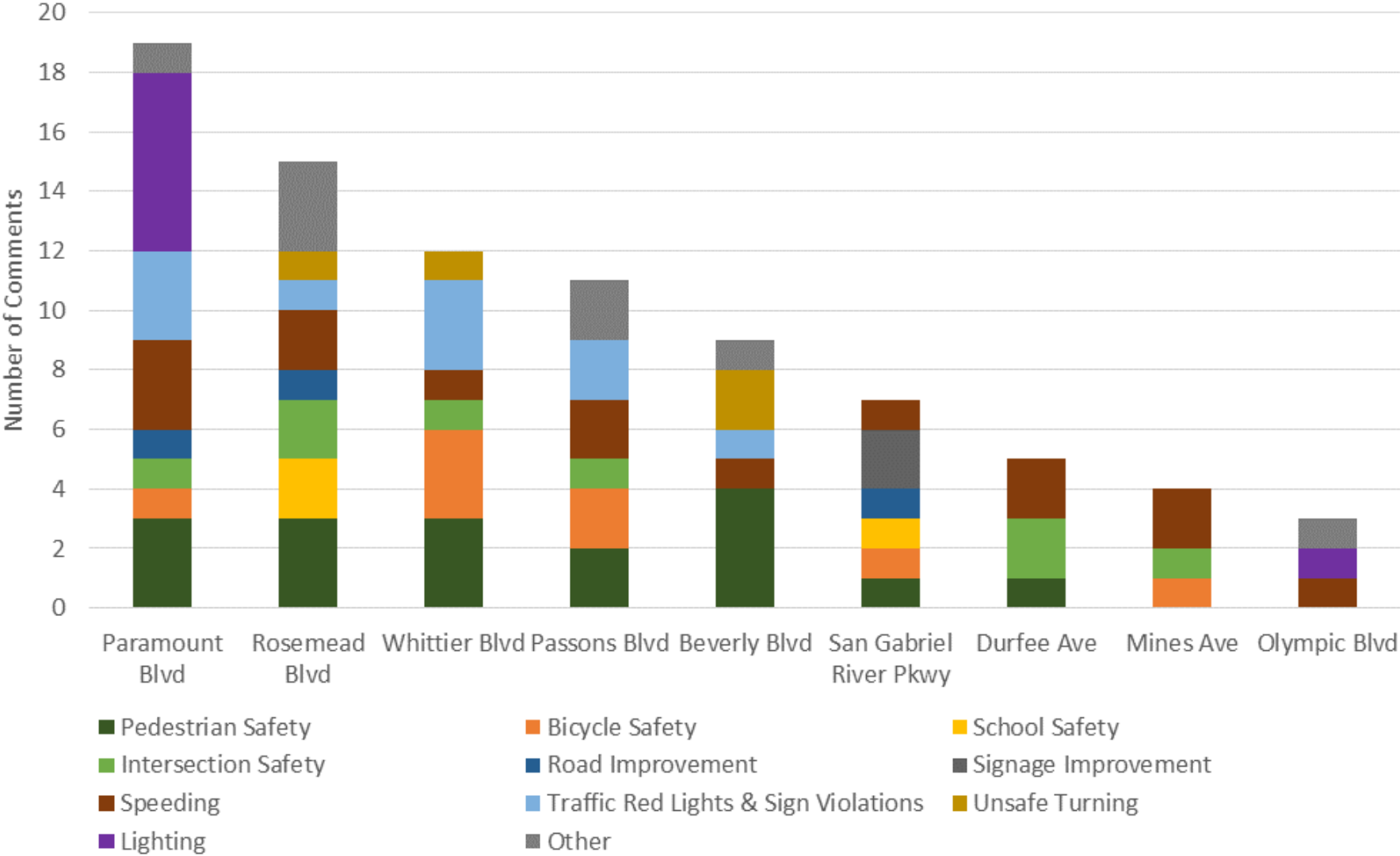


# Project Status and Milestones

1<sup>st</sup> Stakeholder Meeting  
– September 21, 2022

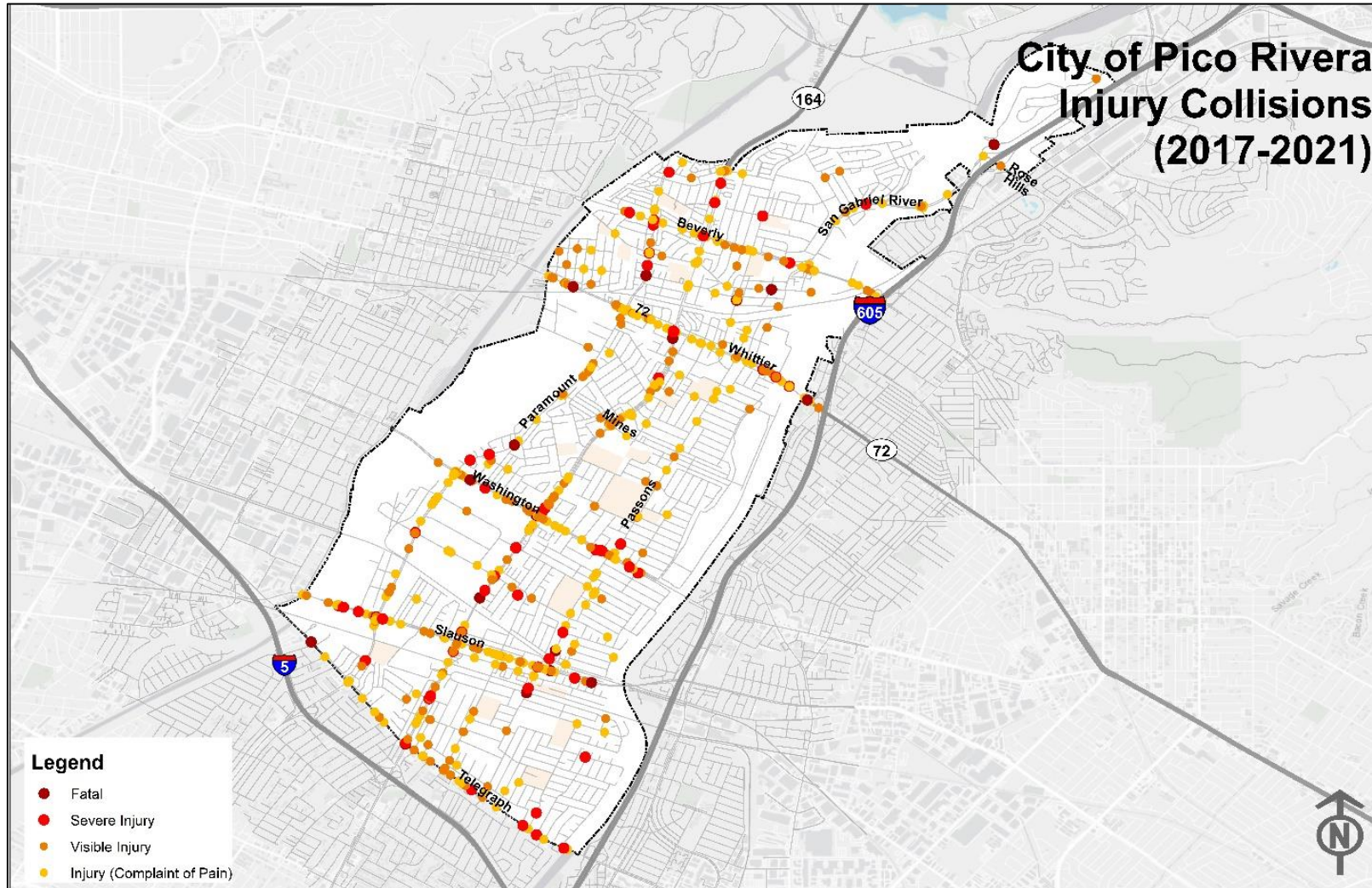


# Community Comments



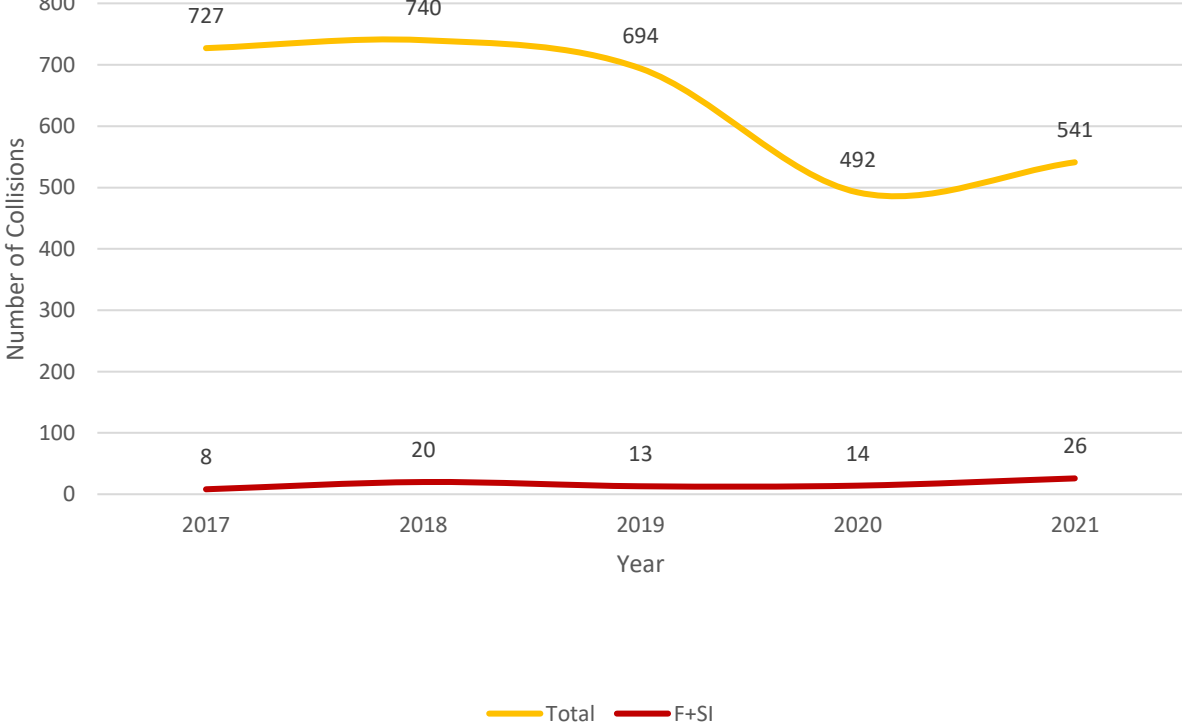
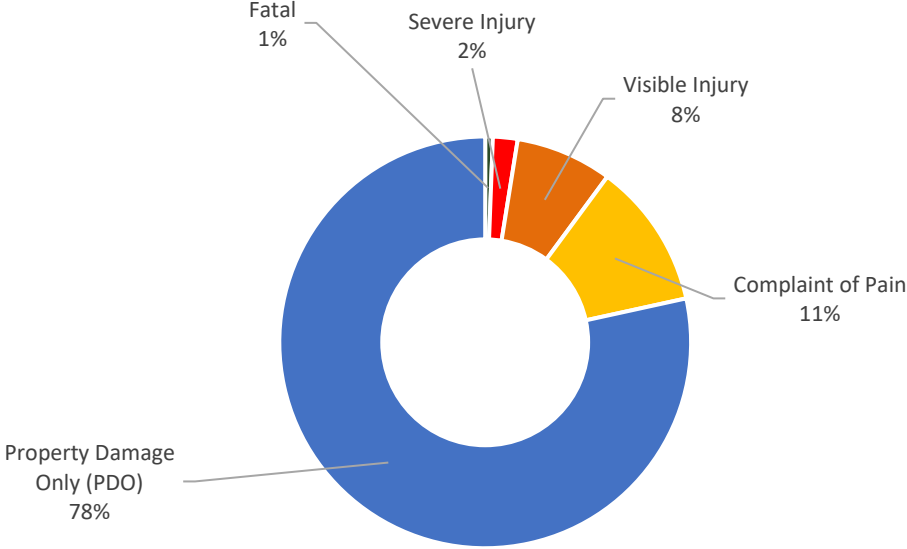
- **116 responses**
- **Project Website** was promoted on City website, Social media and monthly e-newsletter
- **Speeding** and **pedestrian safety** were the most commented concerns
- **Paramount Blvd** and **Rosemead Blvd** received the most comments

# Pico Rivera Collisions



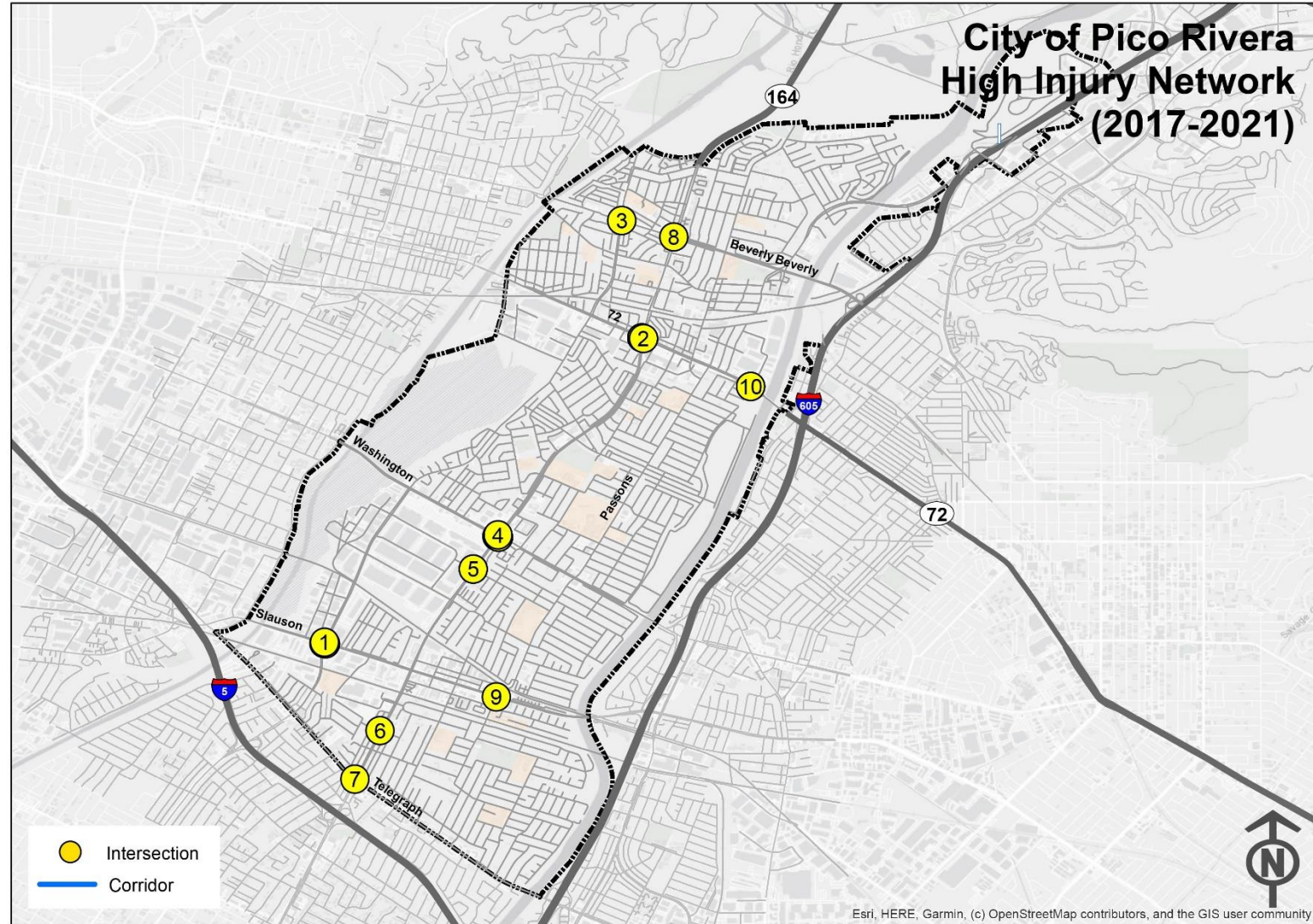
- **3,194** total collisions between 2017-2021
- **2,505** property damage only (PDO collisions)
- **81 fatal and severe injury** (F+SI/KSI collisions)

# Collision Analysis Findings



# High-Injury Intersections

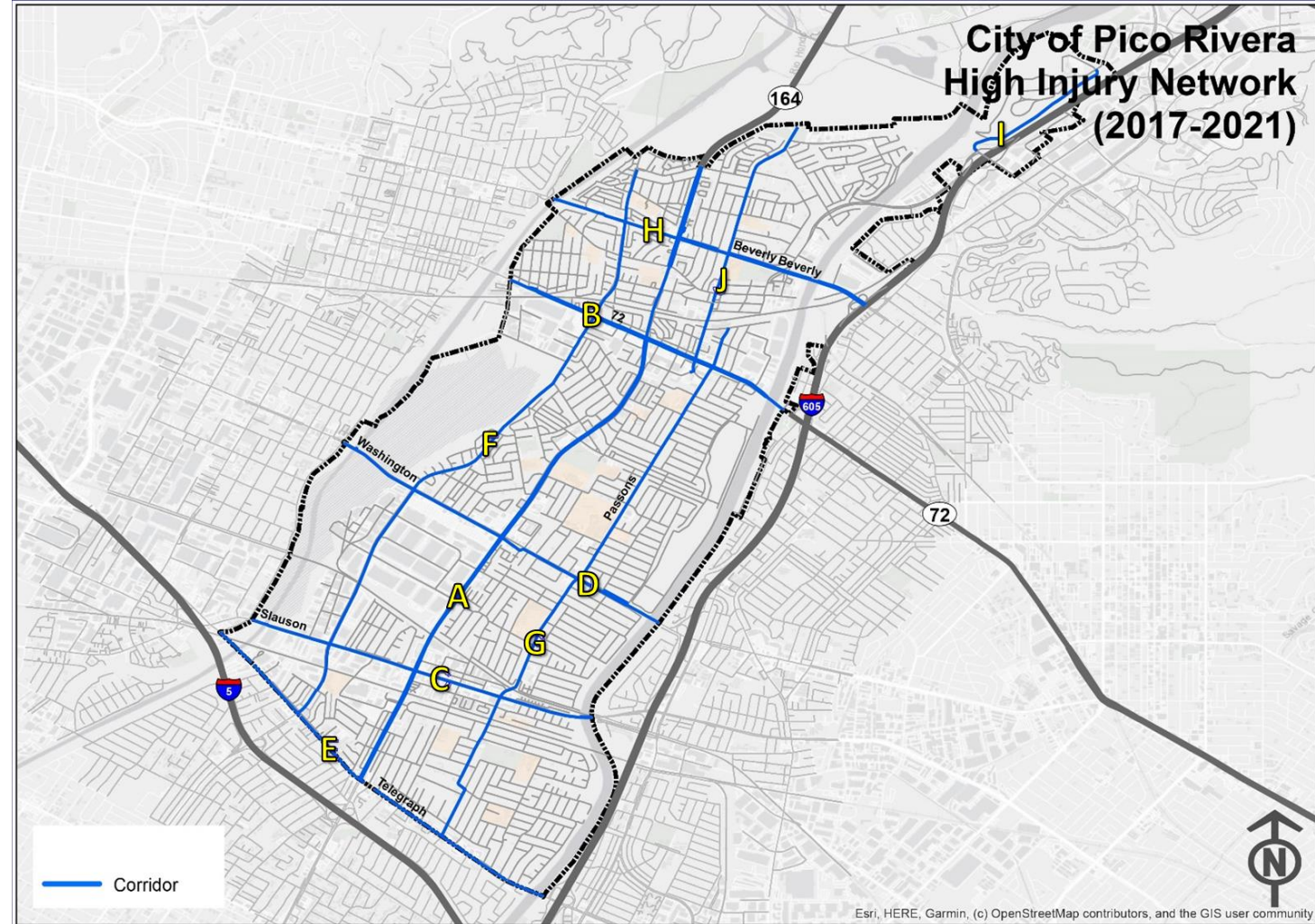
ID	Intersection	Total Injury Collisions	Severity Weight
1	Slauson Ave and Paramount Blvd	14	581
2	Rosemead Blvd and Whittier Blvd	8	535
3	Beverly Blvd and Paramount Blvd	14	530
4	Rosemead Blvd and Washington Blvd	10	422
5	Rosemead Blvd and Danbridge St	7	365
6	Rosemead Blvd and Maxine St	5	358
7	Rosemead Blvd and Telegraph Rd	4	342
8	Beverly Blvd and Rosemead Blvd	9	248
9	Slauson Ave and Passons Blvd	10	244
10	Gregg Rd and Whittier Blvd	8	227





# High-Injury Corridors

ID	Corridor	Total Injury Collisions	Length (miles)	Severity Weight
A	Rosemead Blvd: From/To City Limits	90	4.4	2,777
B	Whittier Blvd/ SR 72: From/To City Limits	63	1.6	1,452
C	Slauson Ave: From/To City Limits	55	1.8	1,379
D	Washington Blvd: From/To City Limits	38	2.0	1,237
E	Telegraph Rd: From/To City Limits	29	2.5	850
F	Paramount Blvd: Gallatin Rd to Telegraph Road	24	4.0	820
G	Passons Blvd: Stephens St to City Limit	26	3.6	648
H	Beverly Blvd: From/To City Limits	32	1.8	560
I	Rooks Rd: Sports Arena Dr to San Gabriel River Pkwy	7	0.9	519
J	Durfee Ave: Kruse Road to Jackson St	8	1.6	205



# Countermeasure Toolbox – Signalized Intersections

HSIP Code	Countermeasure
S02	Improve signal hardware: lenses, back-plates with retroreflective borders, mounting, size, and number
S03	Improve signal timing (coordination, phases, red, yellow, or operation)
S05	Install emergency vehicle pre-emption systems
S09	Install raised pavement markers and striping (Through Intersection)
S12	Install raised median on approaches (S.I.)
S17PB	Install pedestrian countdown signal heads
S20PB	Install advance stop bar before crosswalk (Bicycle Box)

# Signalized Intersection Improvements



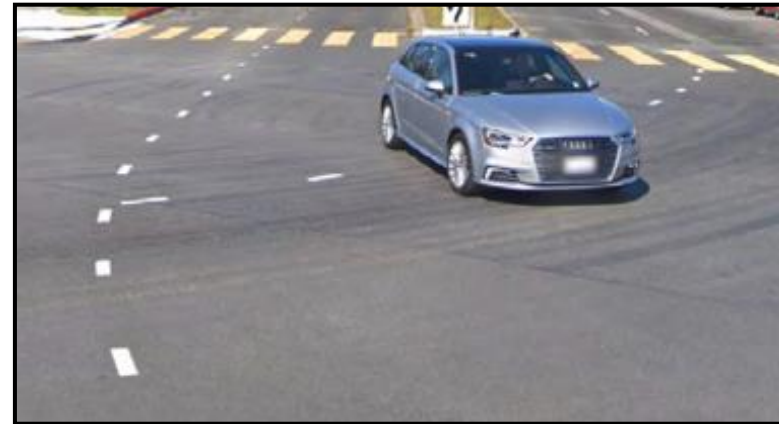
*S02- Improve Signal Hardware  
(lenses, back-plates with  
retroreflective borders, mounting,  
size, and number )*



*S03- Improve Signal Timings  
(coordination, phases, red, yellow, or  
operation)*



*S05- Install emergency vehicle pre-emption  
systems*



*S09- Install raised pavement markings and striping  
(Through Intersection)*

# Countermeasure Toolbox – Roadway Segments

HSIP Code	Countermeasure
R22	Install/Upgrade signs with new fluorescent sheeting (regulatory or warning)
R26	Install dynamic/variable speed warning signs
R27	Install delineators, reflectors and/or object markers

# Roadway Segment Improvements



R22 - Install/Upgrade signs with new fluorescent sheeting (*regulatory or warning*)



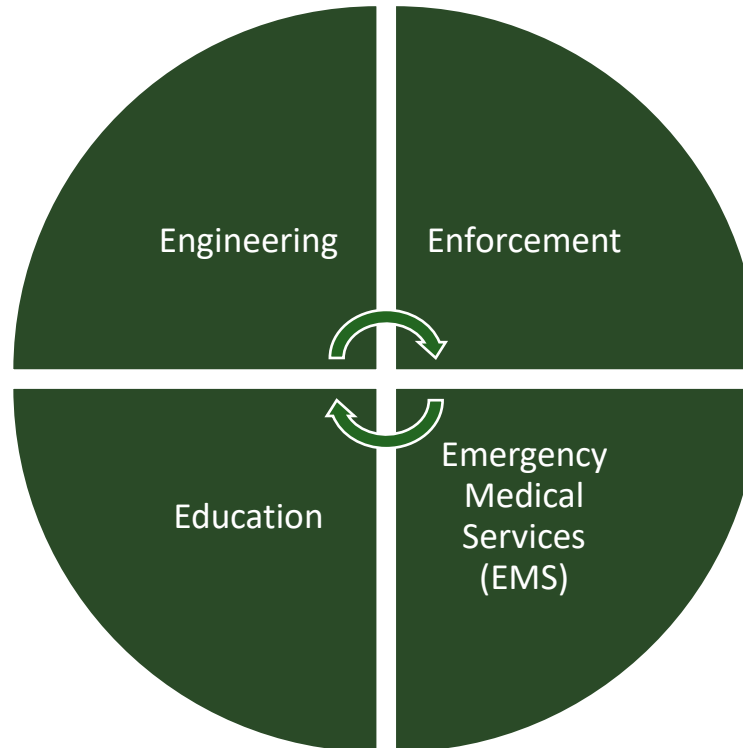
R26- Install dynamic/variable speed warning signs



R27- Install delineators, reflectors, and/or object markers

# The 4 E's of Traffic Safety

- HSIP eligible countermeasures
- E.g.: Improve intersection lighting, install median refuge island, install bulb outs, improving signs and striping
- Conduct focused public information and education campaigns
- Create pocket guides and informational fliers with pedestrian laws, stop sign violations, etc.
- Safe Routes to School education programs



- Targeted enforcement at high risk intersections and priority locations
- Place high priority on enforcement of violation type that contribute to the most fatalities and severe injuries
- Improve deployment to collision sites
- Ensure emergency routes are defined and clear

# Safety Projects

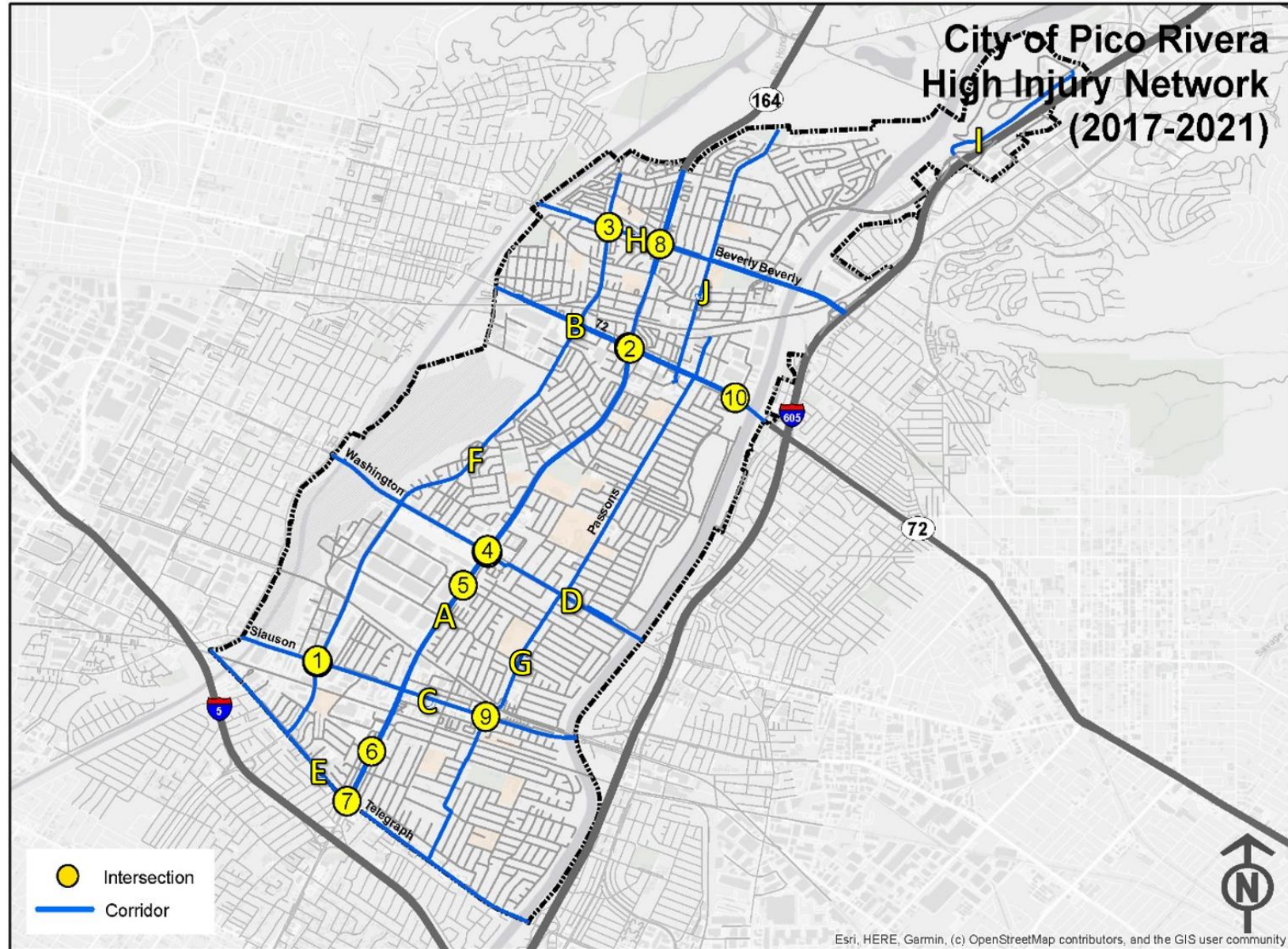
Project 1: Safety on Roadway Segments

Project 2: Striping through Intersections

Project 3: Signal Timing Improvements

Citywide Signal Upgrades (Grant Awarded)

Citywide Sign Upgrade (Grant Awarded)

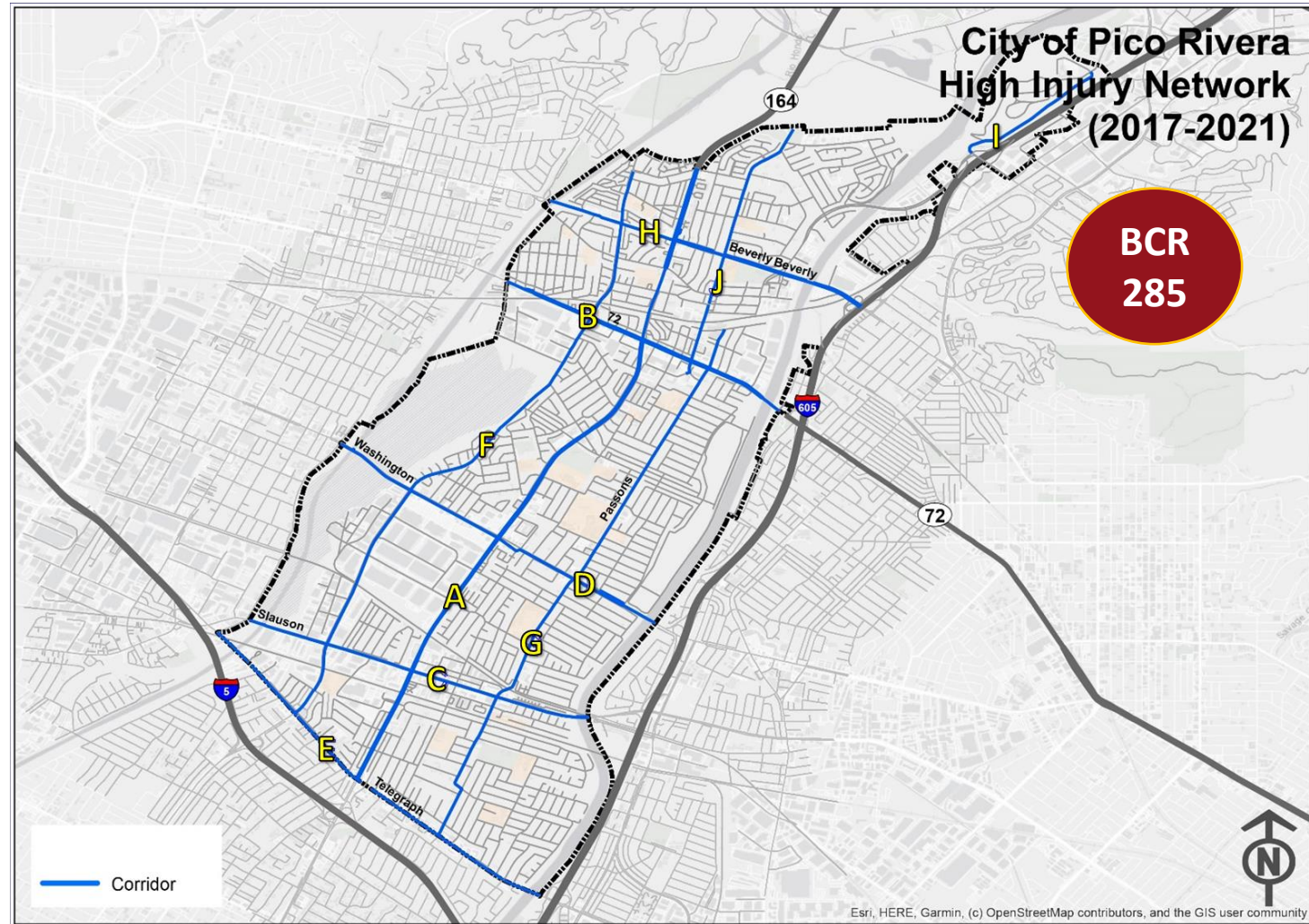


# Project 1: Safety on Roadway Segments

#	Location	CM1	CM2
A	Rosemead Blvd: From/To City Limits	R26	R27
B	Whittier Blvd/ SR 72: From/To City Limits	R26	R27
C	Slauson Ave: From/To City Limits		R27
D	Washington Blvd: From/To City Limits		R27
E	Telegraph Rd: From/To City Limits	R26	R27
F	Paramount Blvd: Gallatin Rd to Telegraph Road	R26	R27
G	Passons Blvd: Stephens St to Southerly City Limit		R27
H	Beverly Blvd: From/To City Limits		R27
I	Rooks Rd: Sports Arena Dr to San Gabriel River Pkwy	R26	R27
J	Durfee Ave: Kruse Road to Jackson St		R27

**Total Cost Estimate (Approx.): \$533,120**

R26 – Install dynamic/variable speed warning signs  
 R27 – Install delineators, reflectors and/or object markers





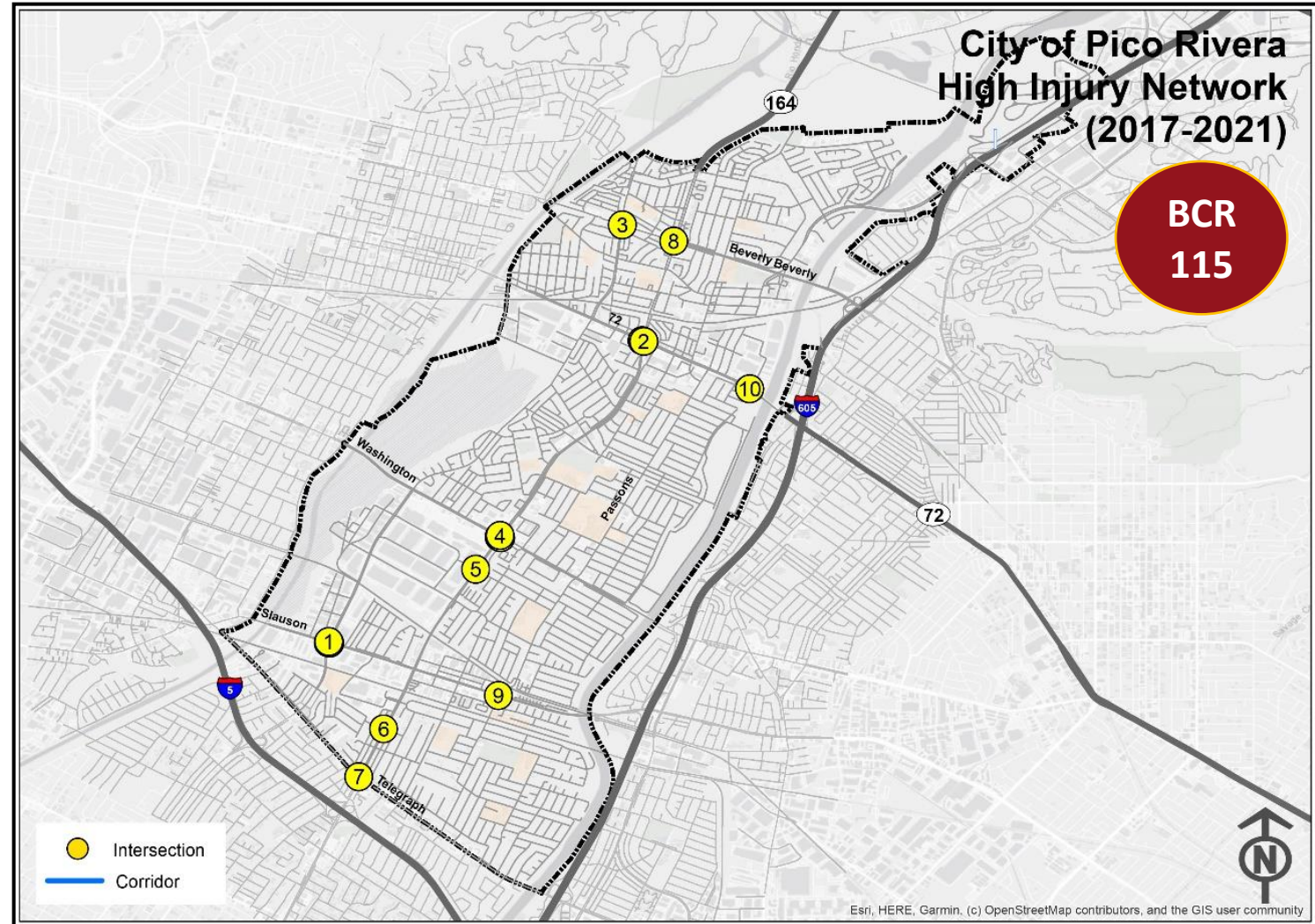
# Project 2: Striping through Intersections

#	Location	CM 1	CM 2
1	Slauson Ave and Paramount Blvd	S09	
2	Rosemead Blvd and Whittier Blvd	S09	
3	Beverly Blvd and Paramount Blvd	S09	
4	Rosemead Blvd and Washington Blvd	S09	S12
7	Rosemead Blvd and Telegraph Rd	S09	
9	Slauson Ave and Passons Blvd	S09	
10	Gregg Rd and Whittier Blvd	S09	

**Total Cost Estimate (Approx.): \$183,400**

S09 – Install raised pavement markers and striping

S12 – Install raised median on approaches (S.I.)



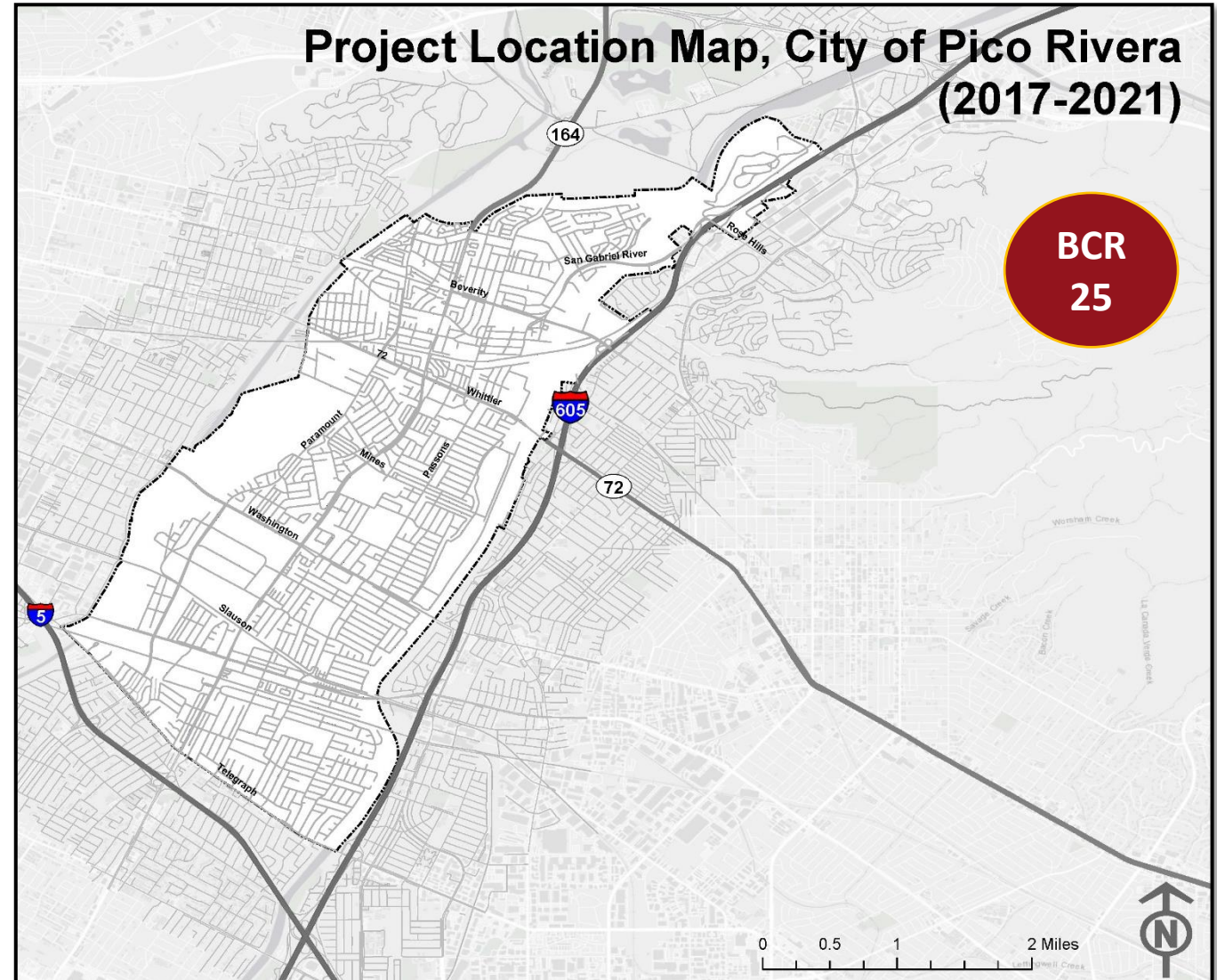
# Project 3: Signal Timing Improvements

#	Location	CM 1	CM 2	CM3
1	Citywide Signalized Intersections – 47 Intersections	S03	S05	

**Total Cost Estimate (Approx.): \$1,459,350**

**S03** – Improve signal timing (coordination, phases, red, yellow, or operation) (Improve Clearance Time)

**S05** – Install emergency vehicle pre-emption systems

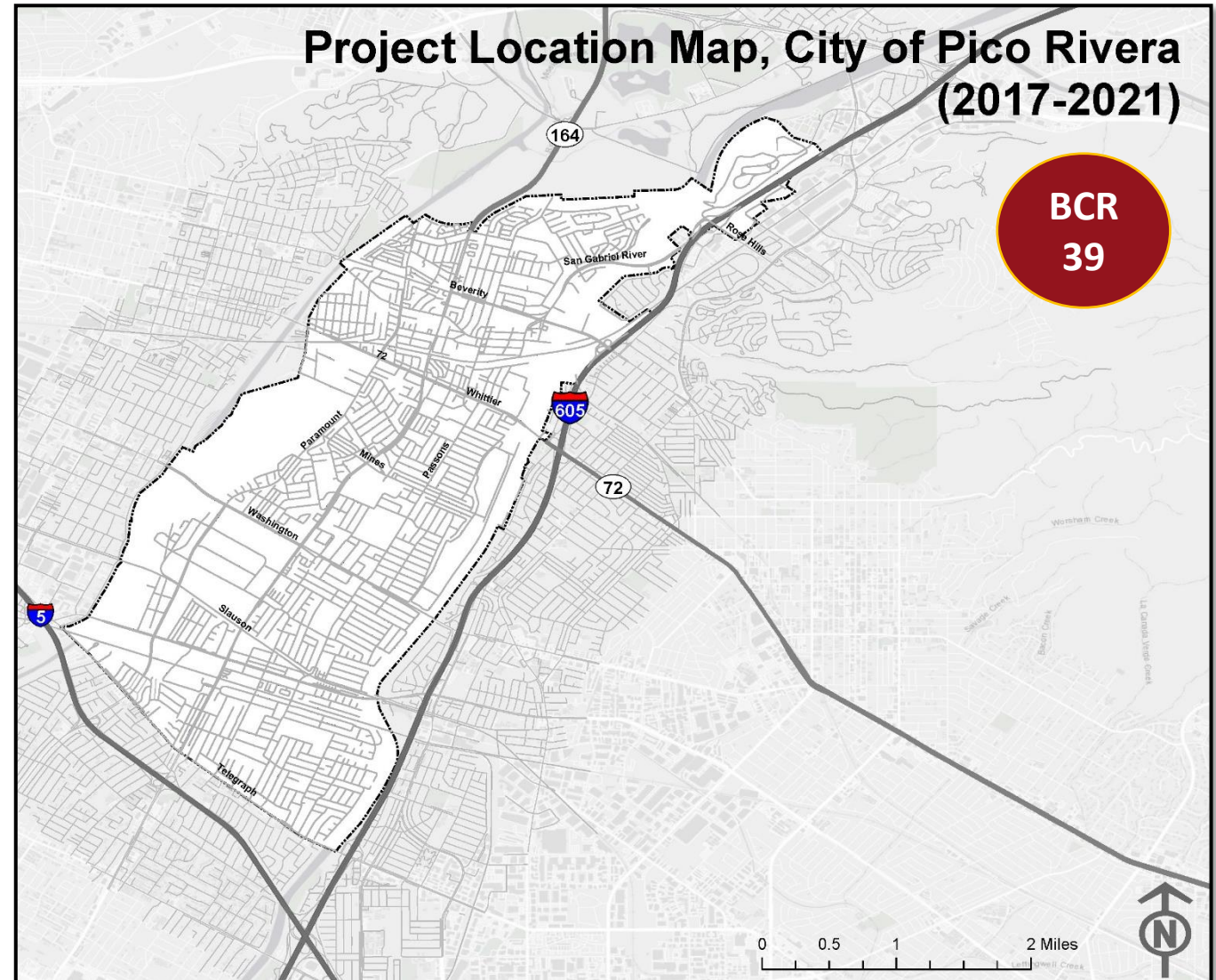


# Citywide Signal Upgrades (Grant Awarded)

#	Location	CM 1	CM 2	CM3
1	Citywide Signalized Intersections – 47 Intersections	S02	S17PB	S20PB

**Total Cost Estimate (Approx.): \$2,130,800**

- S02** – Improve signal hardware: lenses, back-plates with retroreflective borders, mounting, size, and number
- S17PB** – Install pedestrian countdown signal heads
- S20PB** - Install advance stop bar before crosswalk

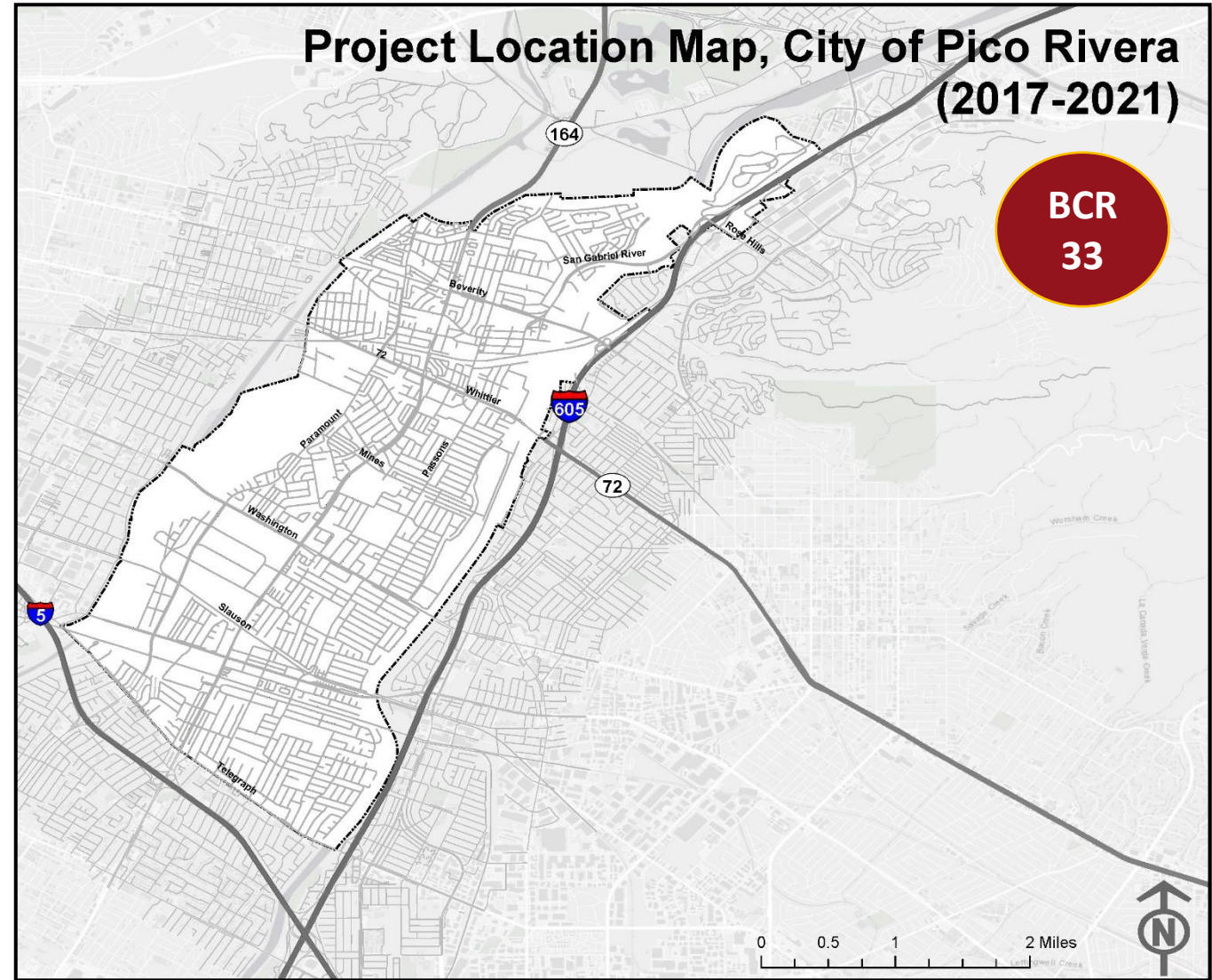


# Citywide Sign Upgrade (Grant Awarded)

#	Location	CM 1	CM 2	CM3
1	Citywide Roadway Traffic Sign Upgrade	R22		

**Total Cost Estimate (Approx.): \$2,821,300**

**R22 – Install/Upgrade signs with new fluorescent sheeting (regulatory or warning)**



# Unfunded Projects

1. Safety on Roadway Segments	\$533,120
2. Striping Through Intersections	\$183,400
3. Signal Timing Improvements	\$1,459,350
TOTAL	\$2,175,870

# Grant Awarded Projects

1. Citywide Signal Upgrades	\$2,130,800
2. Citywide Signage Upgrades	\$2,821,300
TOTAL	\$4,952,100



A photograph of a street scene with a 'Dal Rae' sign and palm trees, overlaid with a semi-transparent red banner containing the word 'Questions'.

# Questions