

# CITY OF CUPERTINO LOCAL ROAD SAFETY PLAN

1<sup>ST</sup> STAKEHOLDER MEETING

FEBRUARY 3, 2022



CITY OF  
CUPERTINO



# PURPOSE OF TODAY'S MEETING

- Introduce the LRSP project
- Project Timeline
- Your Role
- Present Collision Analysis Findings
- Project Online Dashboard and Map Input Platform
- Open Discussion
- Next Steps



# WHAT IS A LOCAL ROAD SAFETY PLAN (LRSP)?

## ■ Overarching Goals:

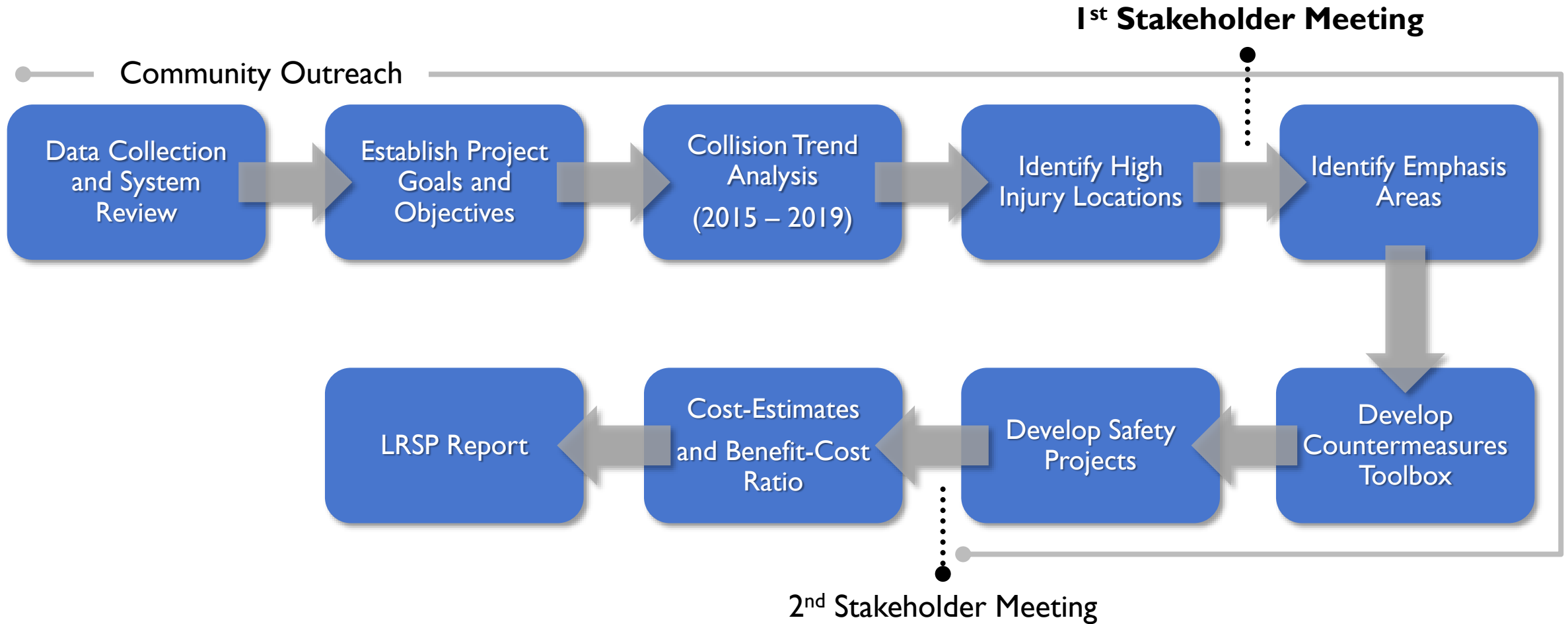
- To reduce fatalities and severe injuries (F+SI) on the City's roadways and intersections
- To identify, analyze and prioritize roadway and intersection safety improvements on local roads
- A required document to be eligible for the Highway Safety Improvement Program (HSIP) grant funding

## ■ Considers Engineering and Non-engineering Strategies

- **4 E's of Traffic Safety:** Education, Enforcement, Engineering and Emergency Medical Services (EMS)



# PROJECT STATUS AND MILESTONES

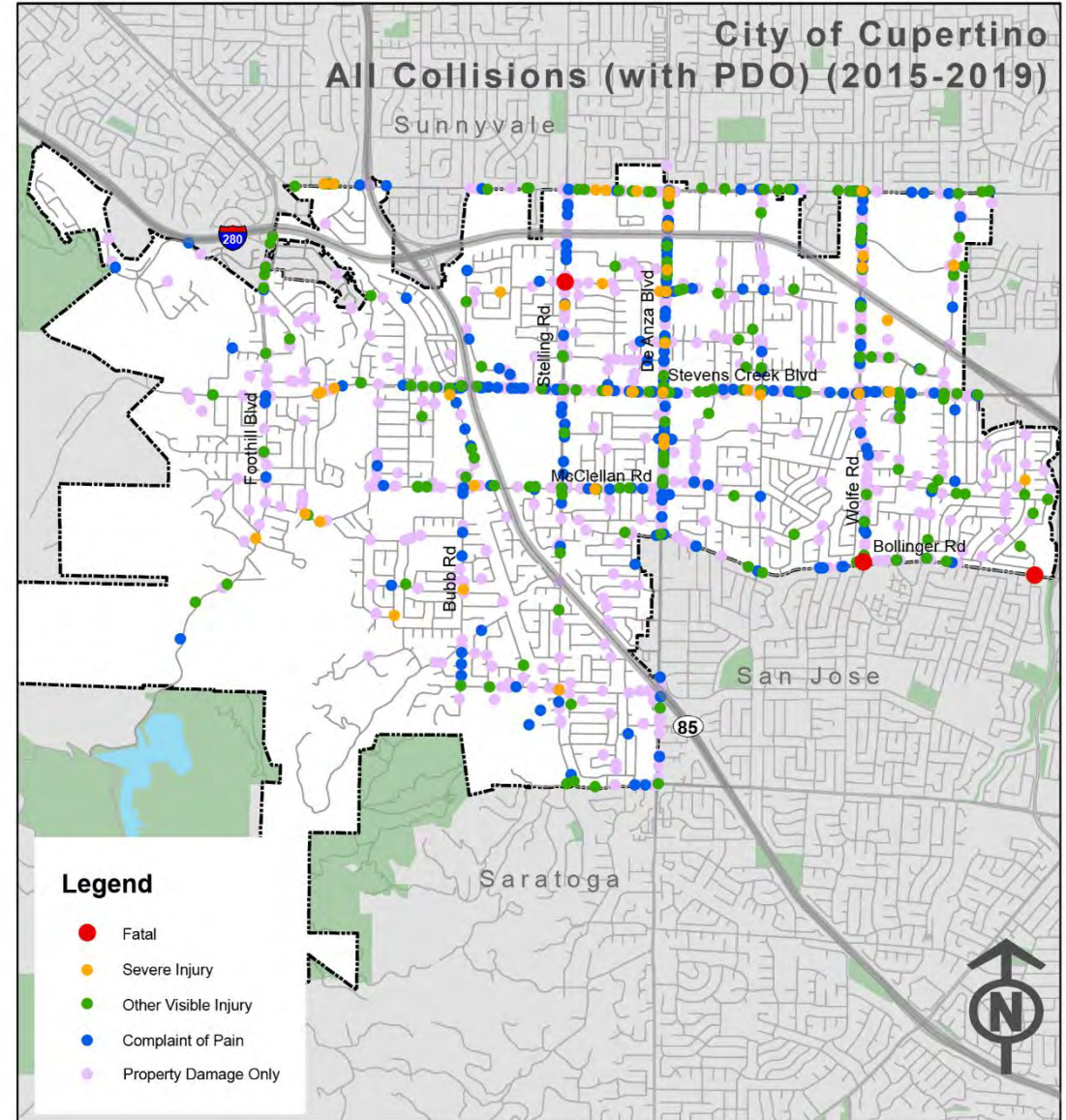
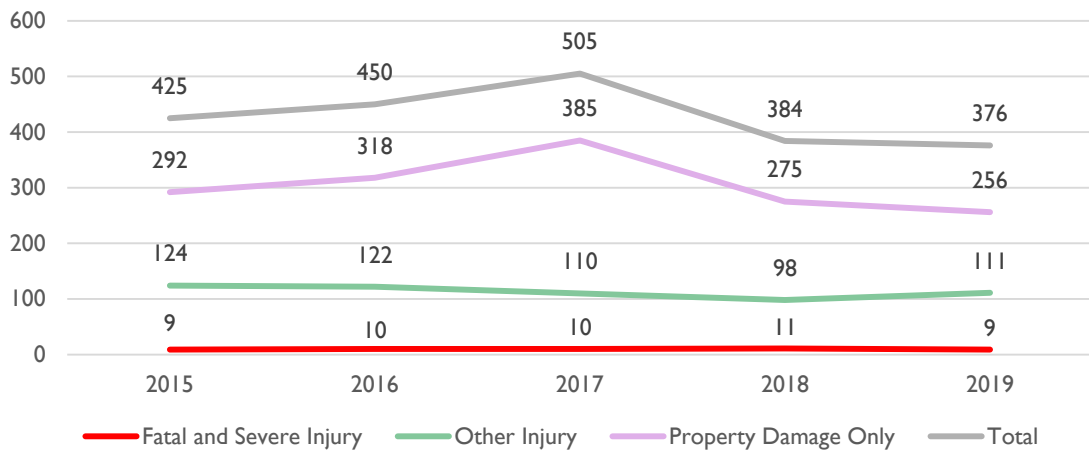
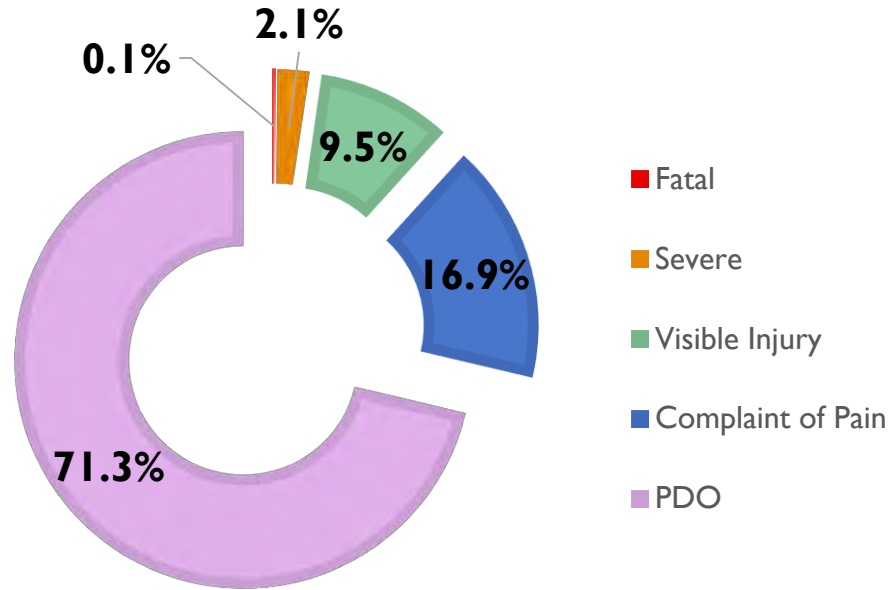


# YOUR ROLE AS SAFETY CHAMPIONS

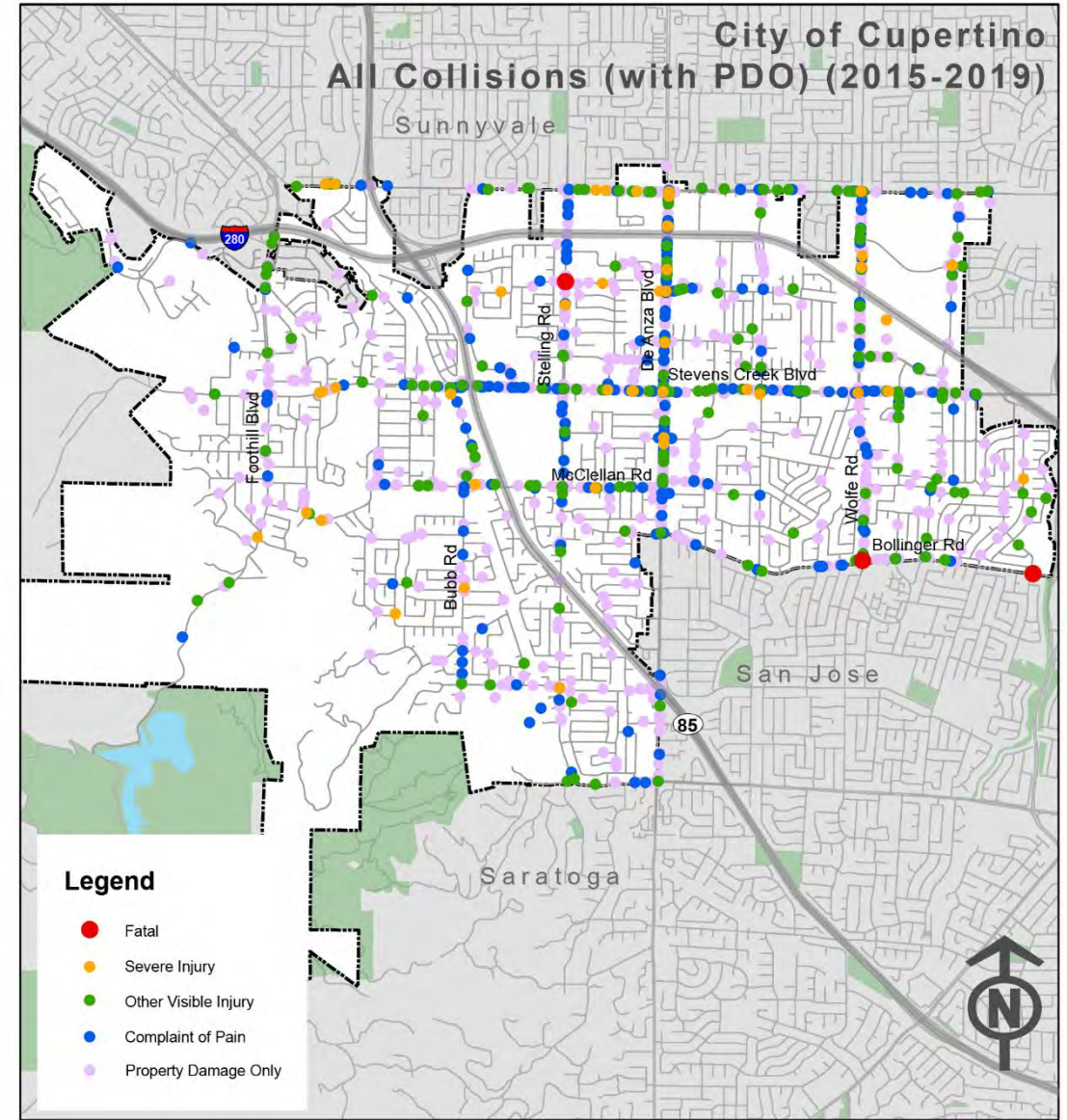
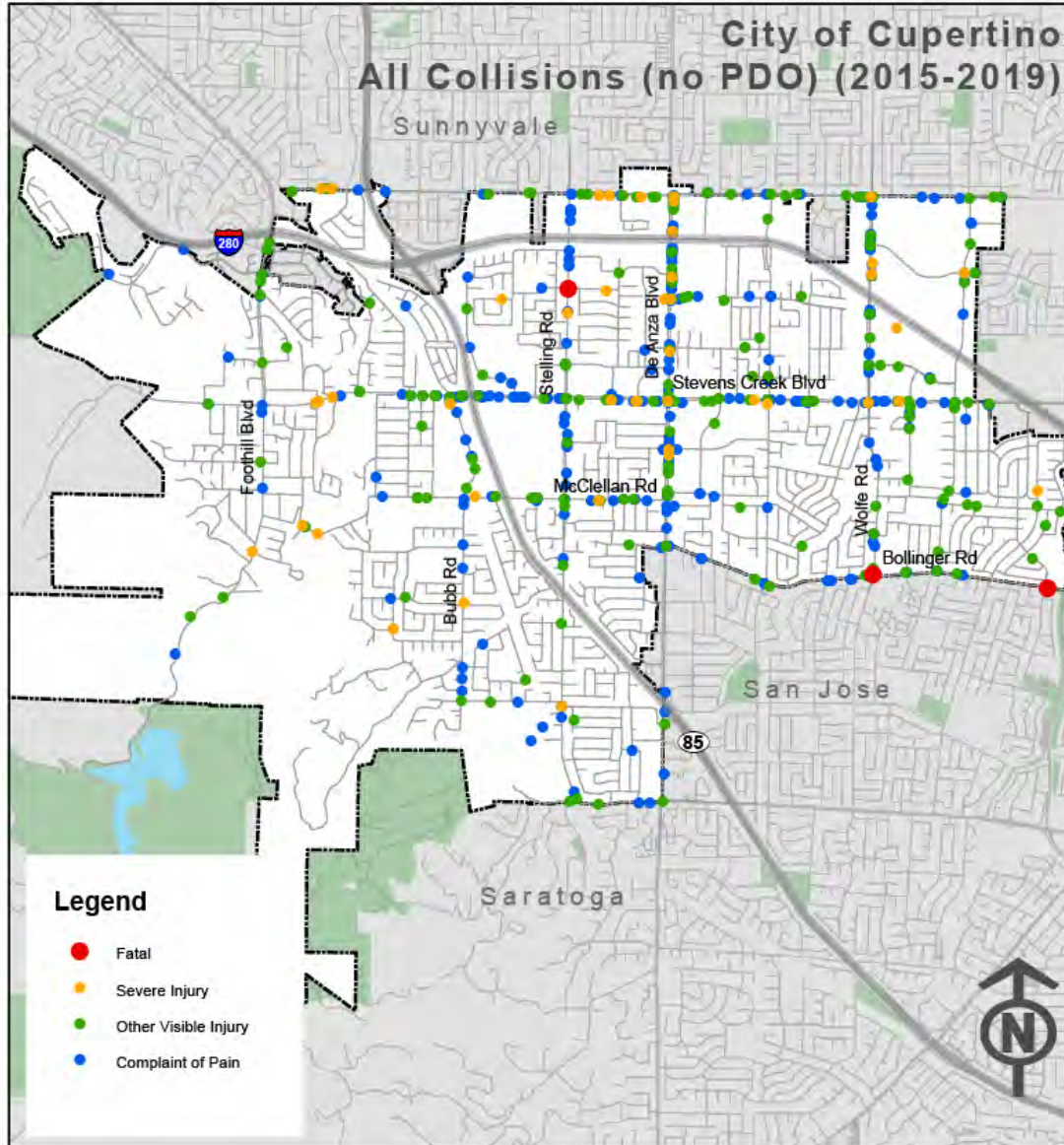
- Tell us about traffic safety related issues
- Tell us what you heard from the members of the community
- Help set the goals and objectives of the LRSP
- Share with us any existing programs/safety measures under the E categories (Education, Enforcement, Engineering and Emergency Medical Services)
- Report your concerns in an interactive survey at [www.engagecupertino.org/lrsp](http://www.engagecupertino.org/lrsp) - Share the survey within your organization
- Give us feedback on our deliverables and strategies as developed
- Stay informed about the project



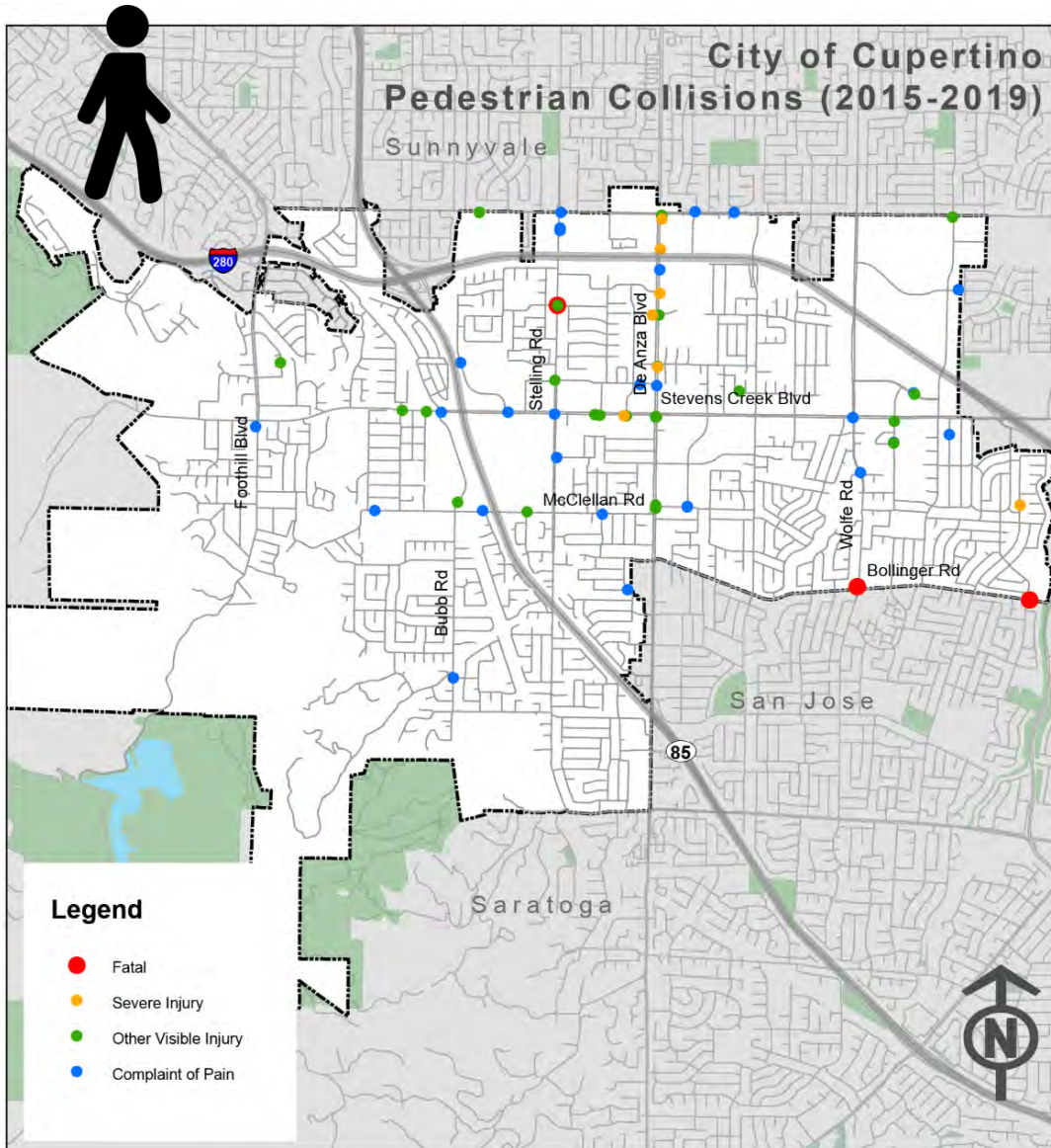
# ANALYSIS FINDINGS (2015 – 2019): ALL COLLISIONS



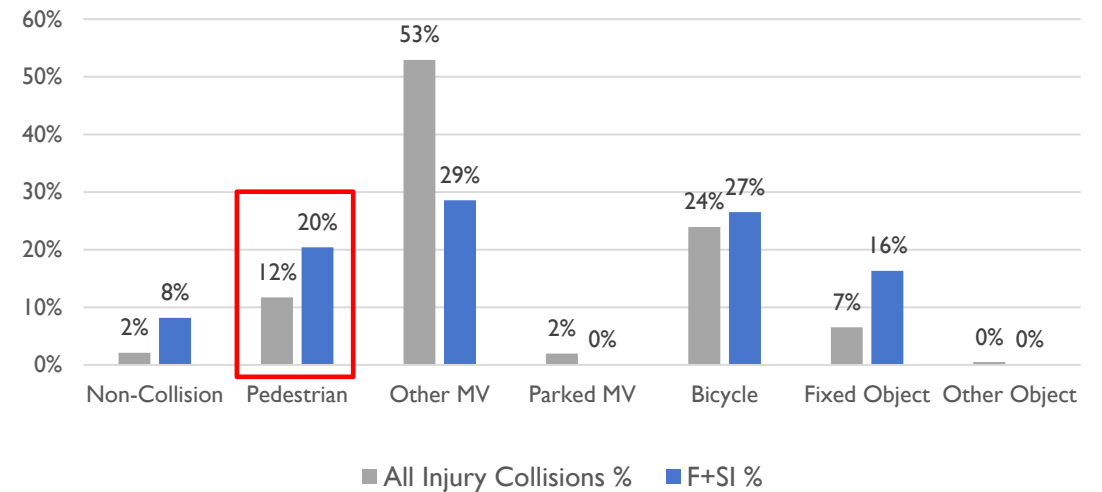
# ANALYSIS FINDINGS (2015 – 2019): INJURY VS ALL COLLISIONS



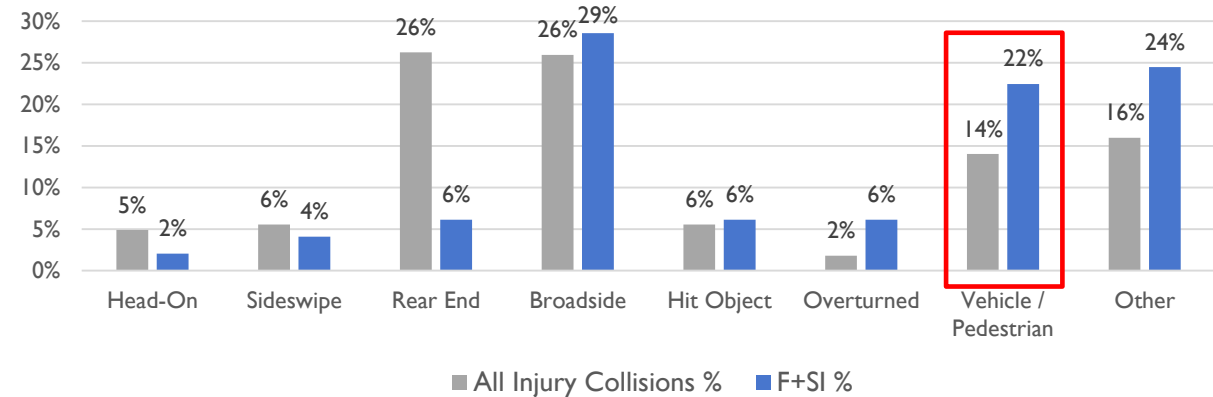
# PROMINENT COLLISION TRENDS (INJURY COLLISIONS)



Motor Vehicle Involved With

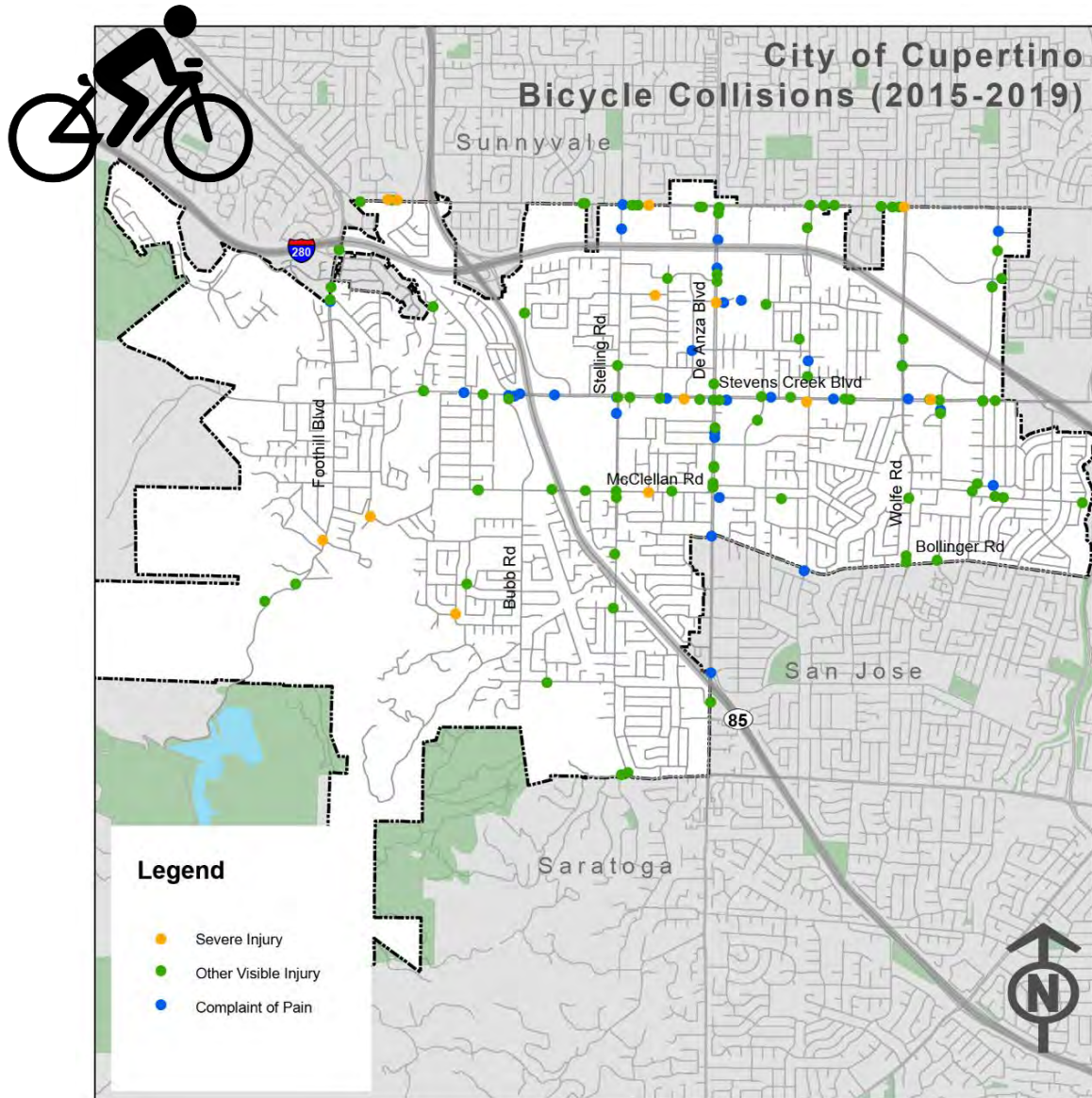


Collisions by Type

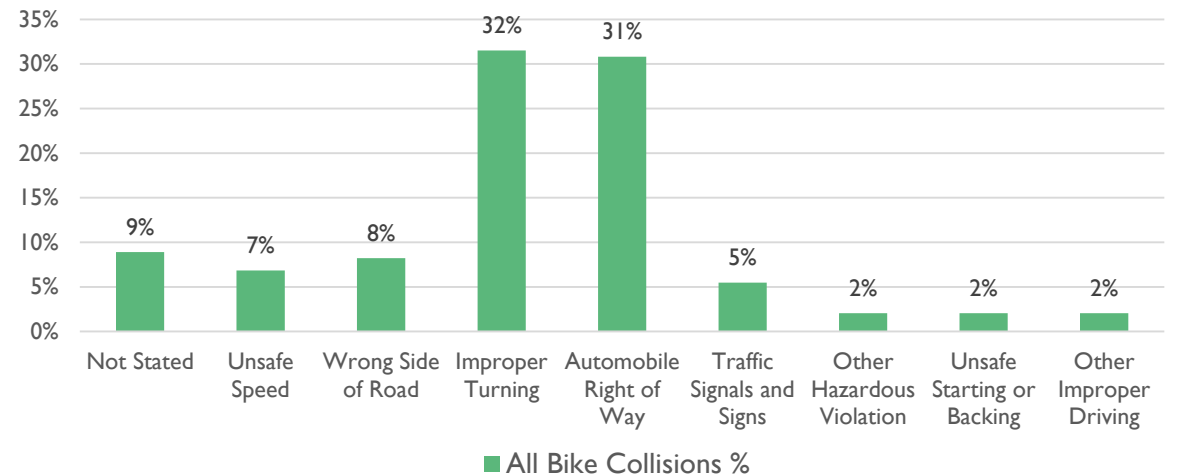
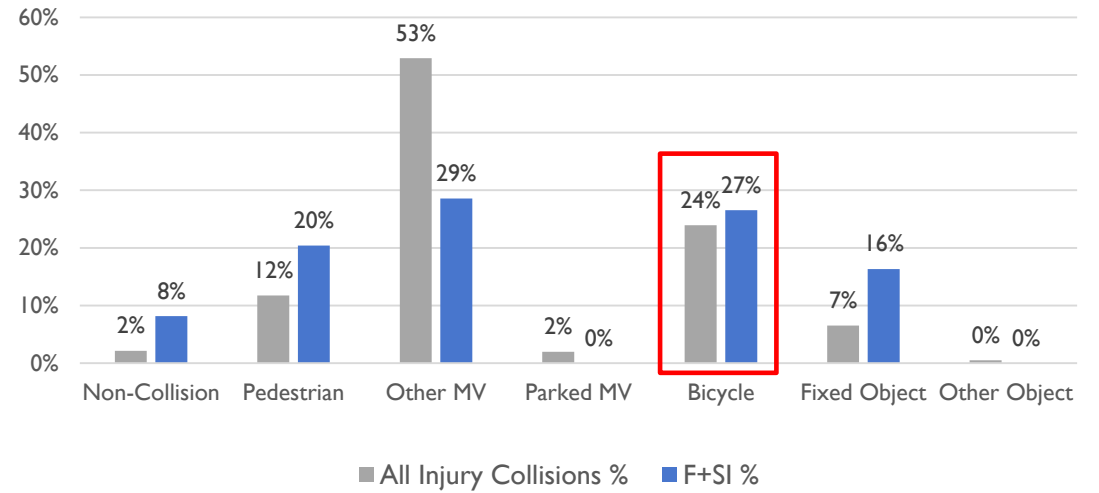




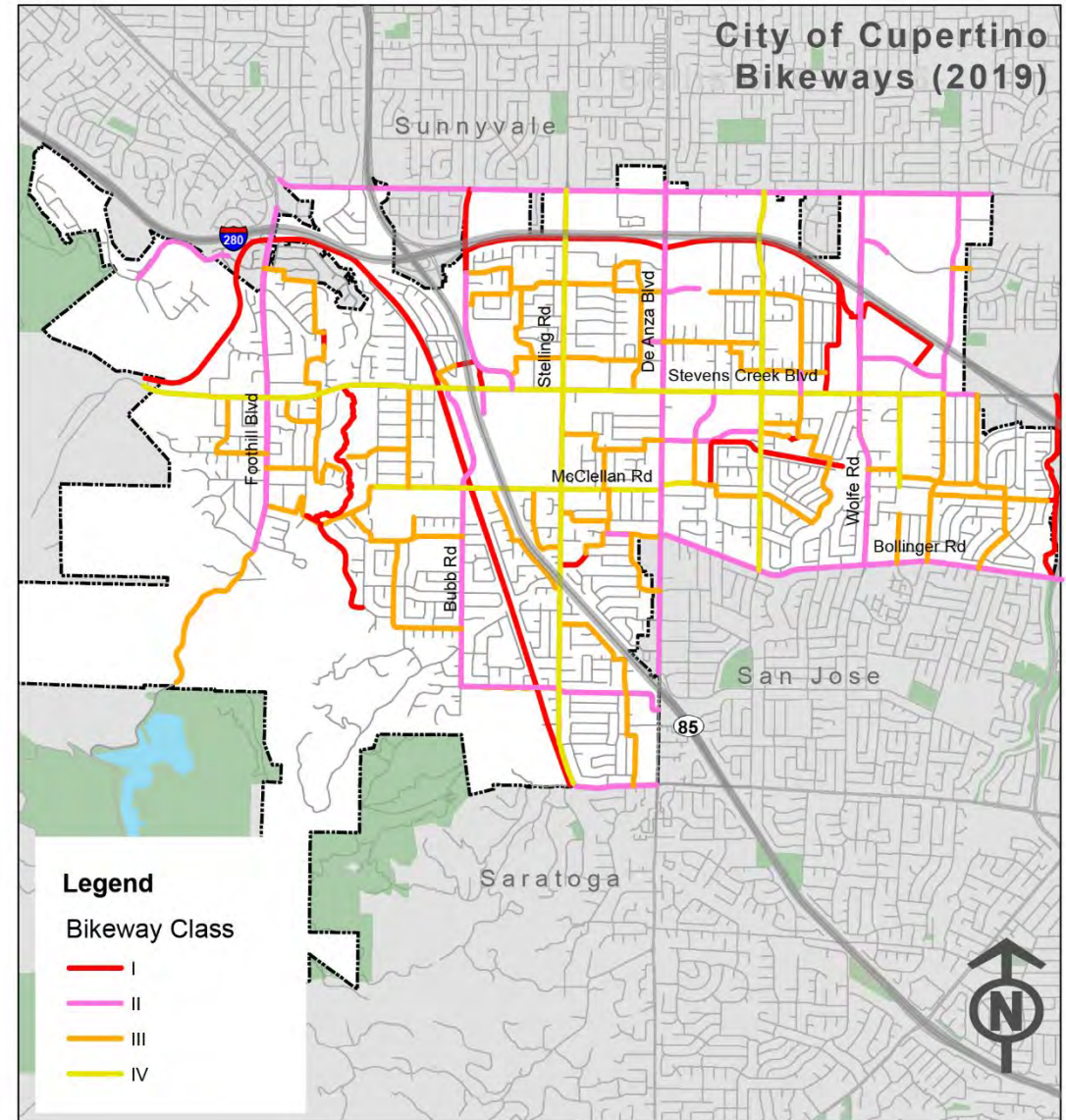
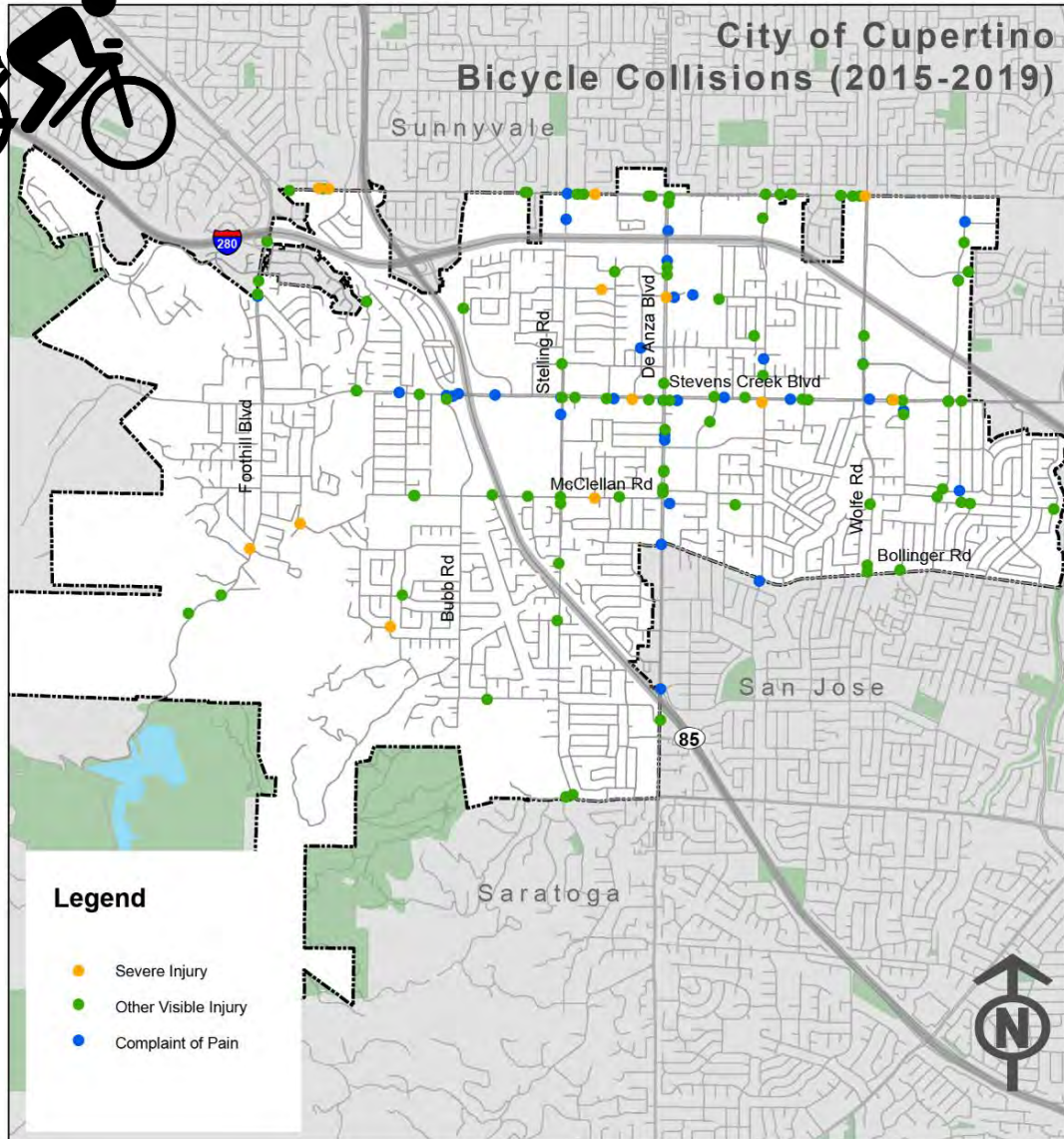
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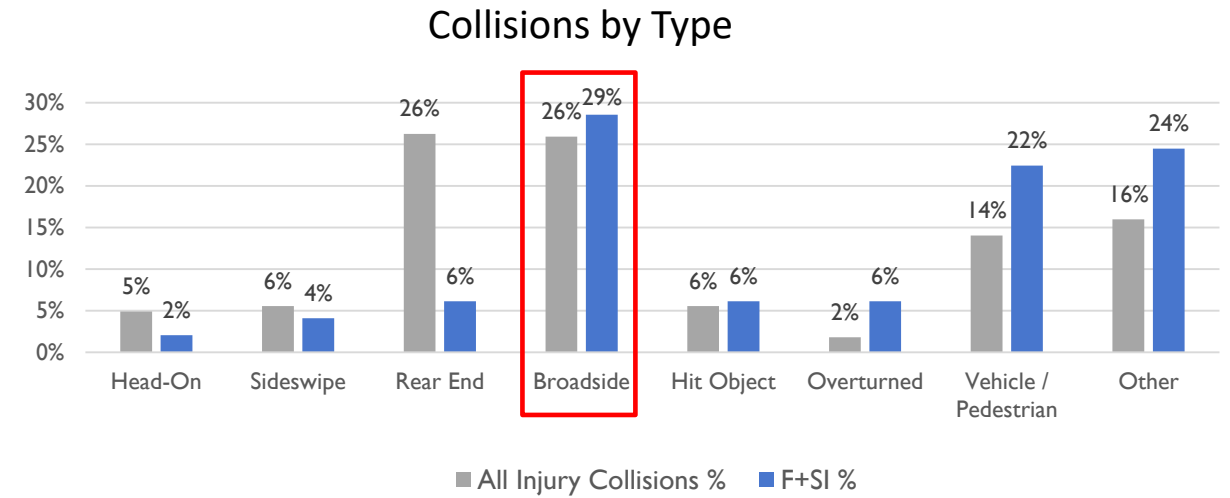
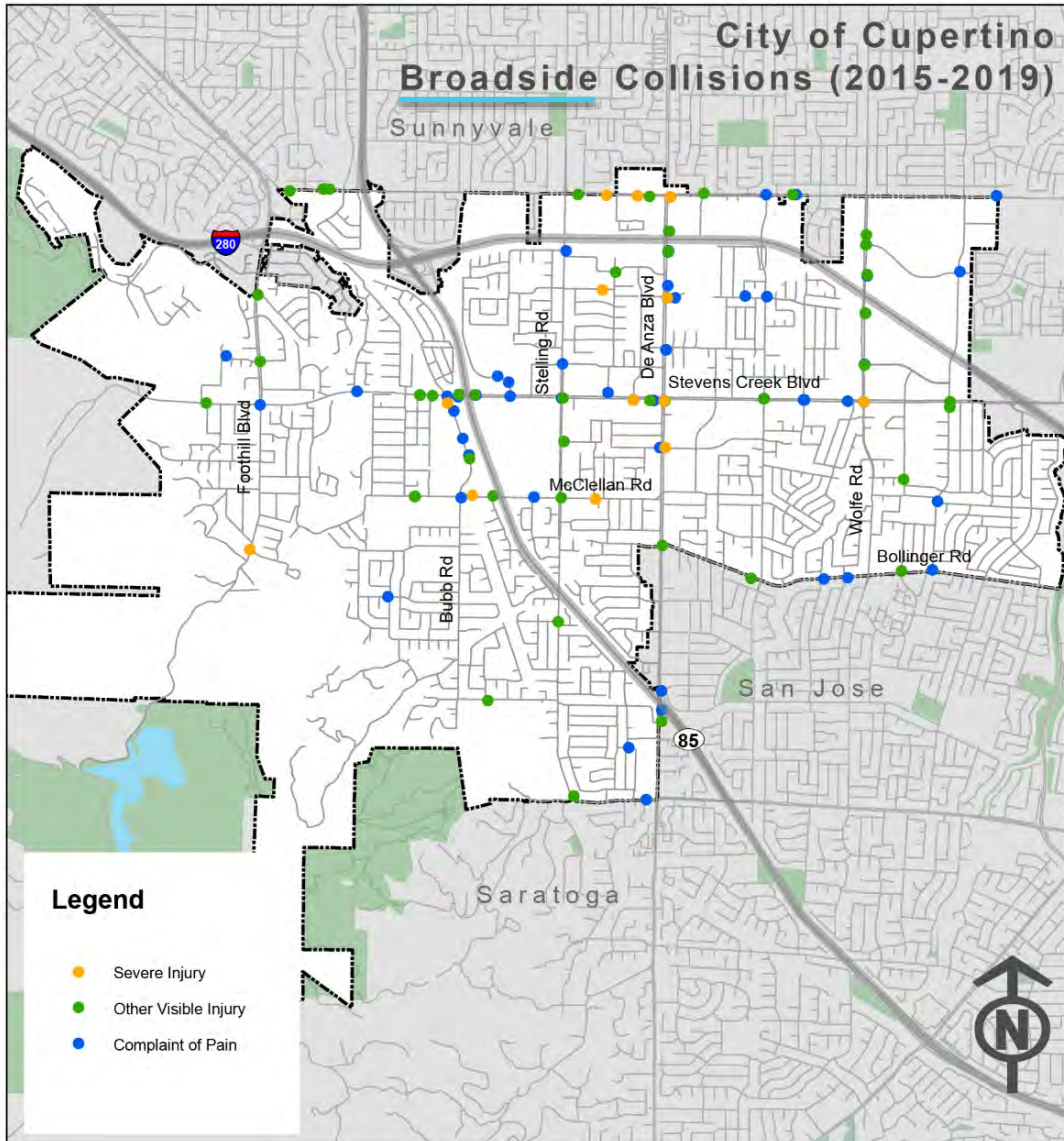
Motor Vehicle Involved With



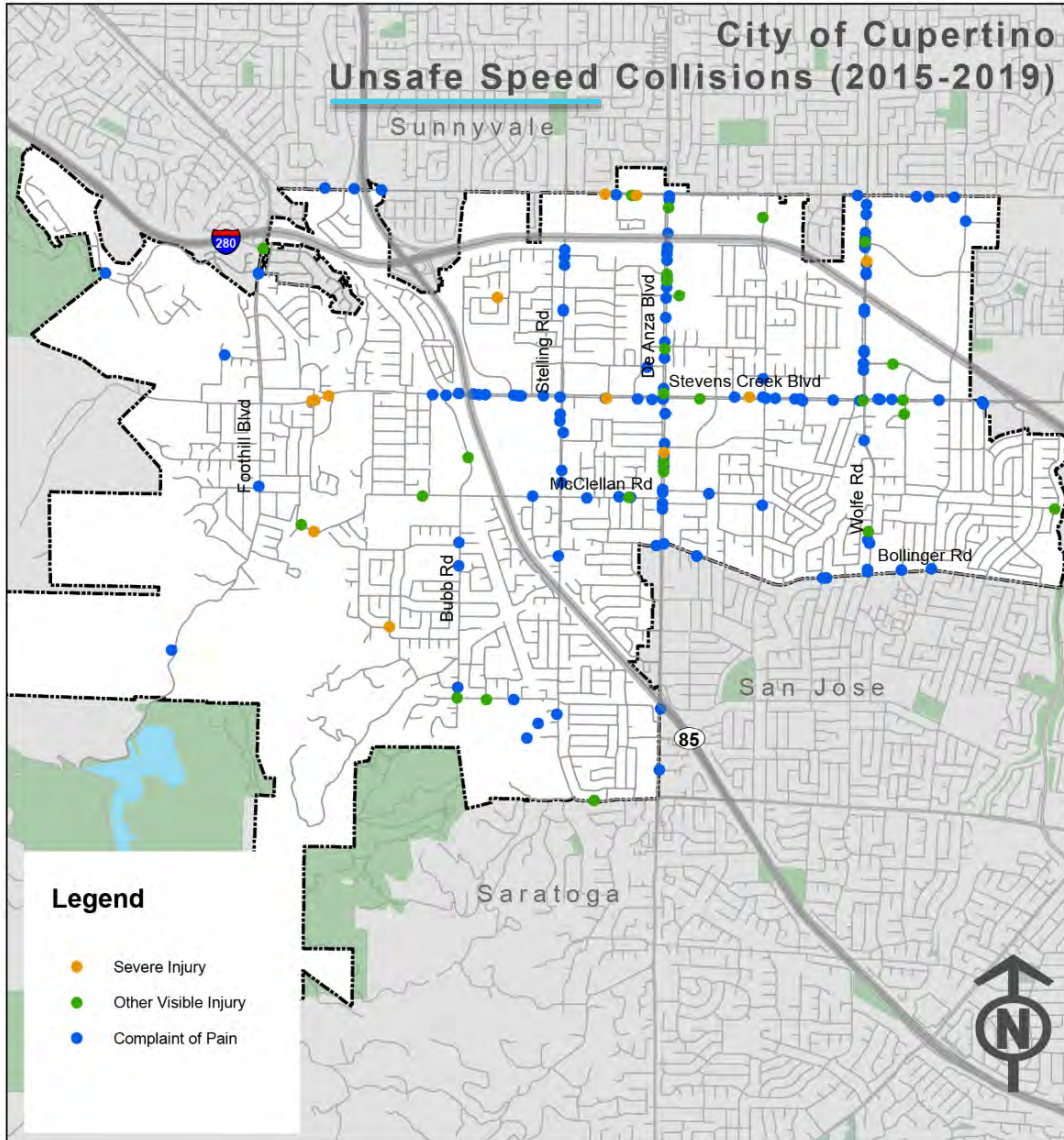
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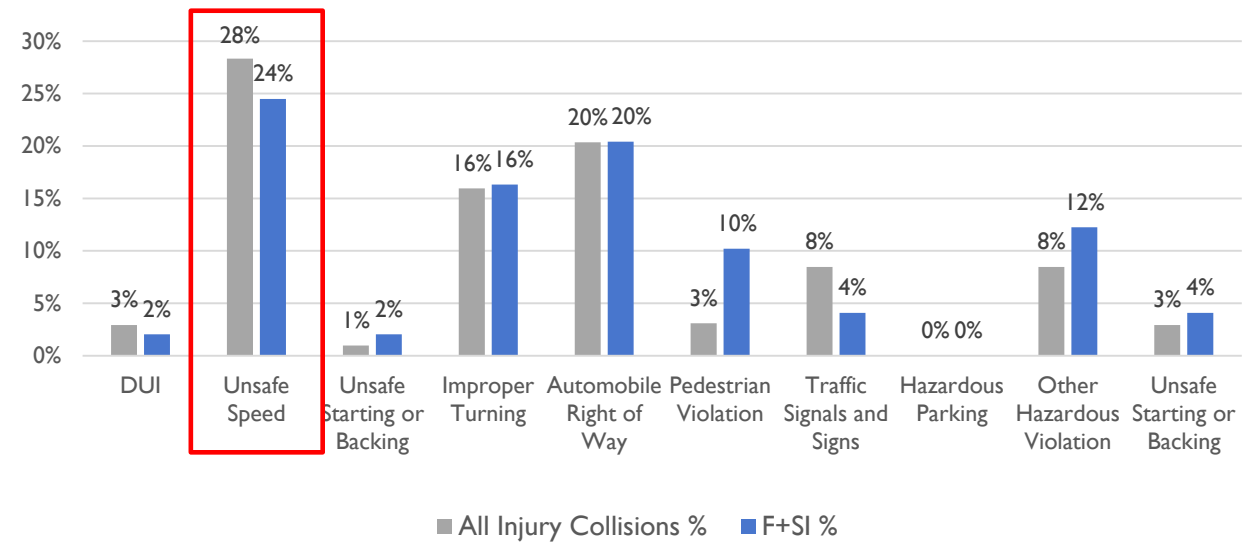
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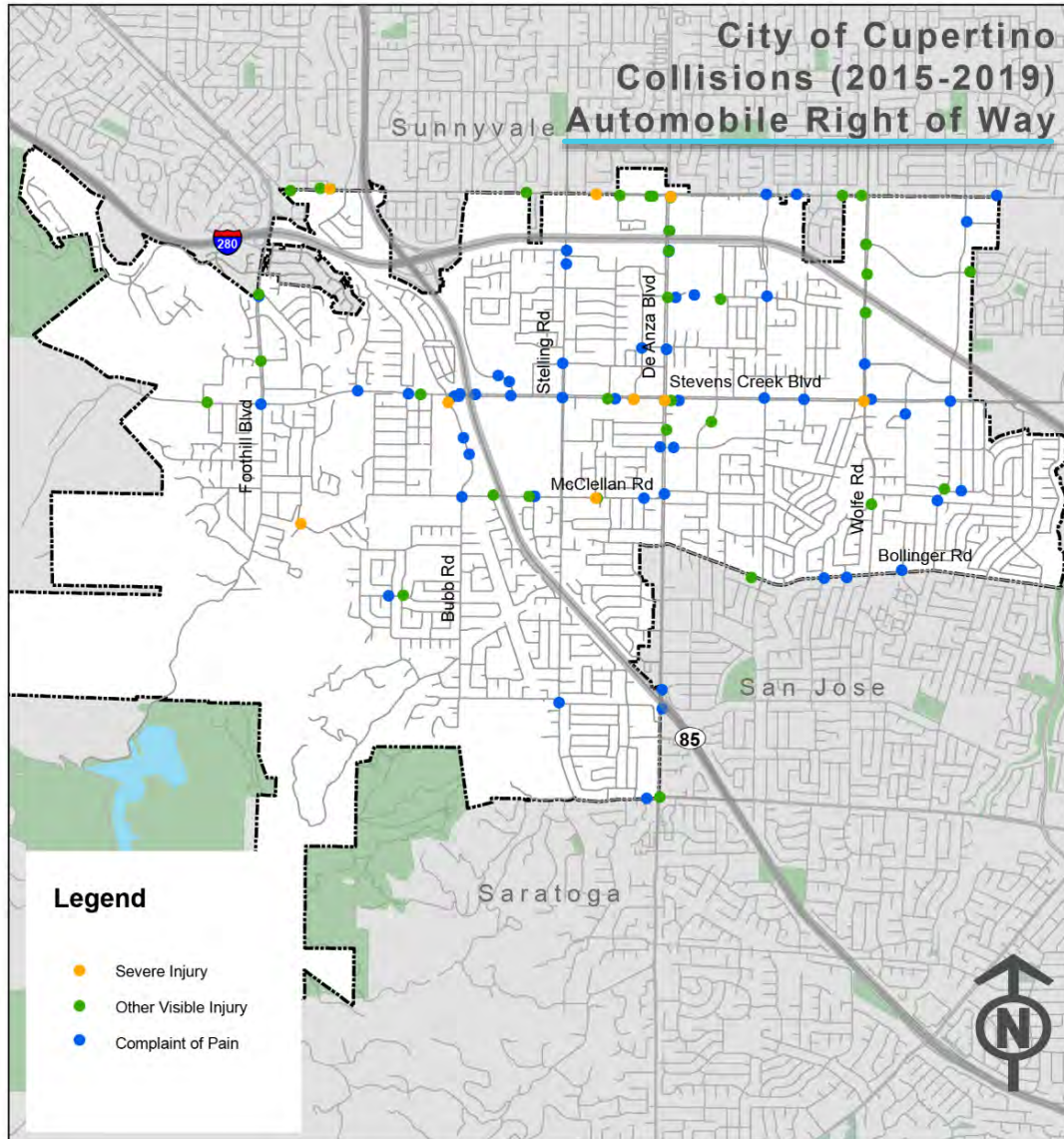
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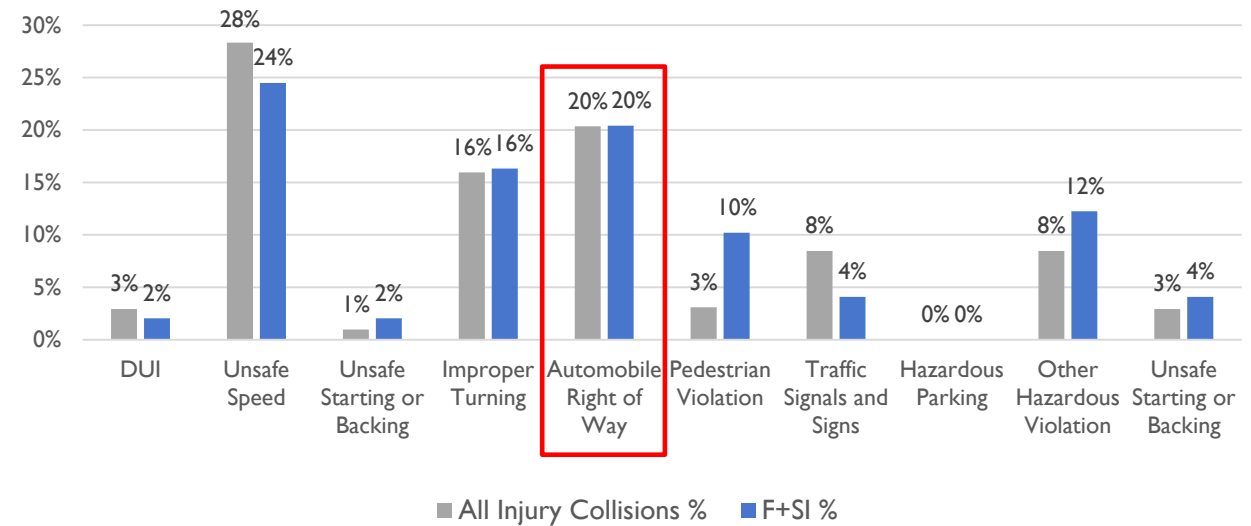
Top Primary Collision Factors



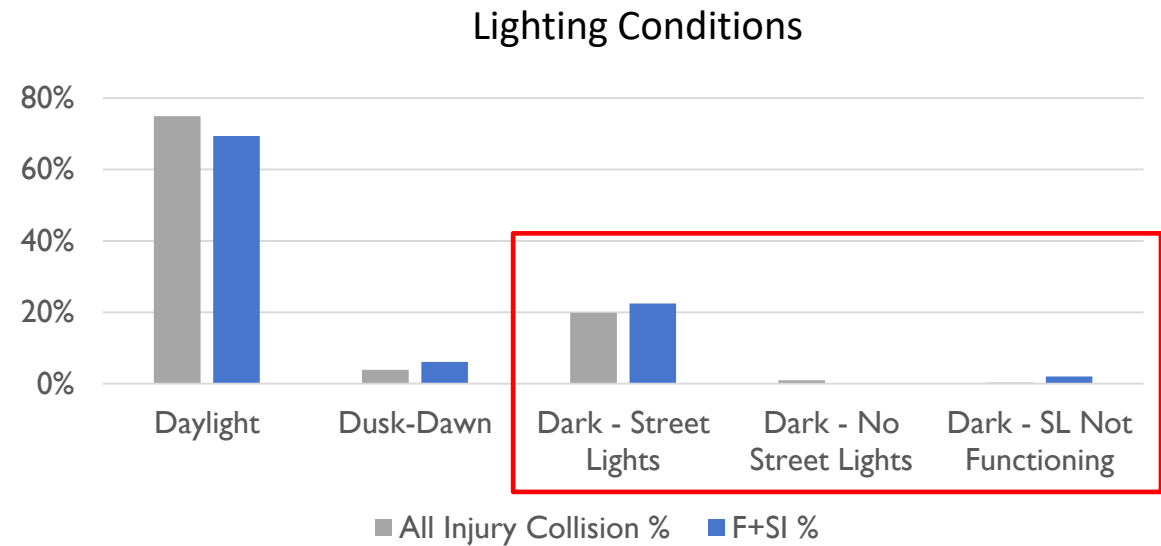
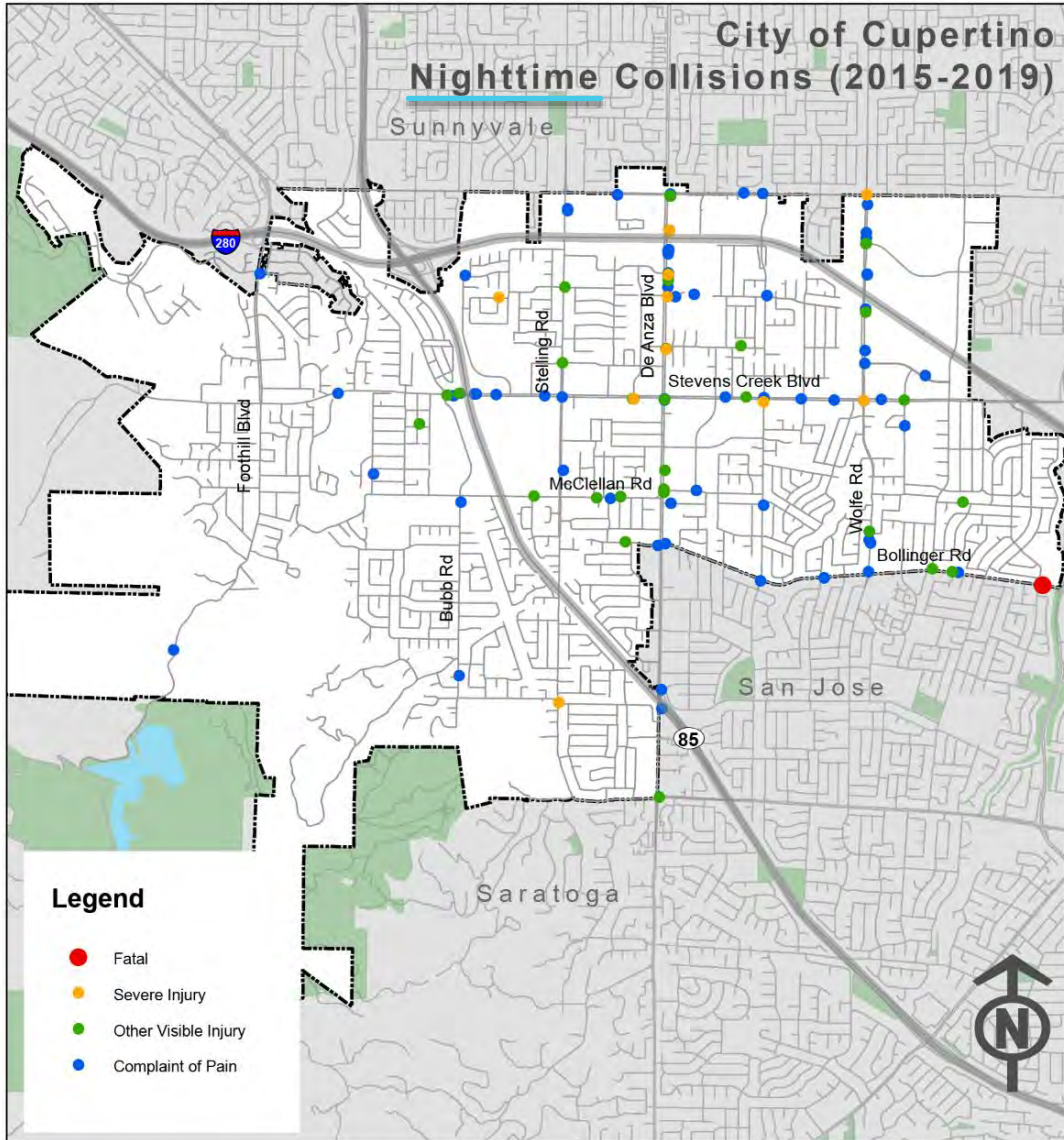
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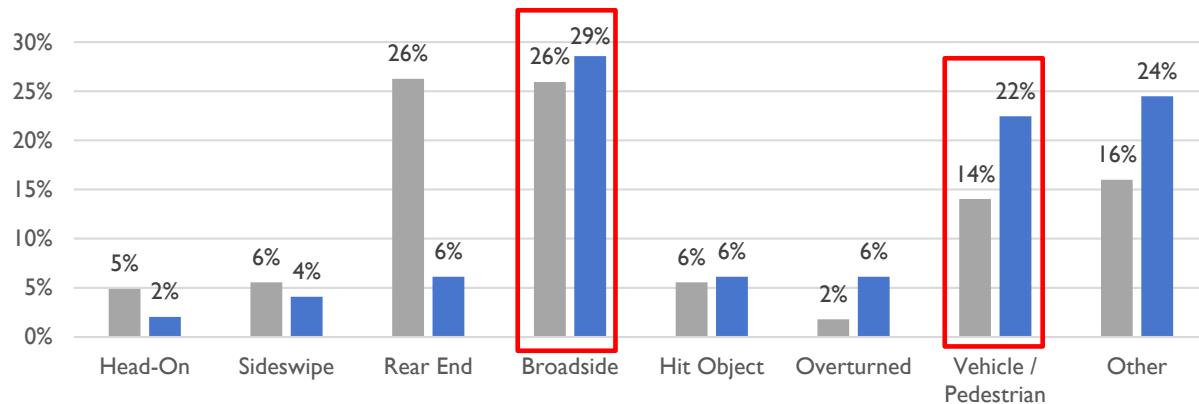


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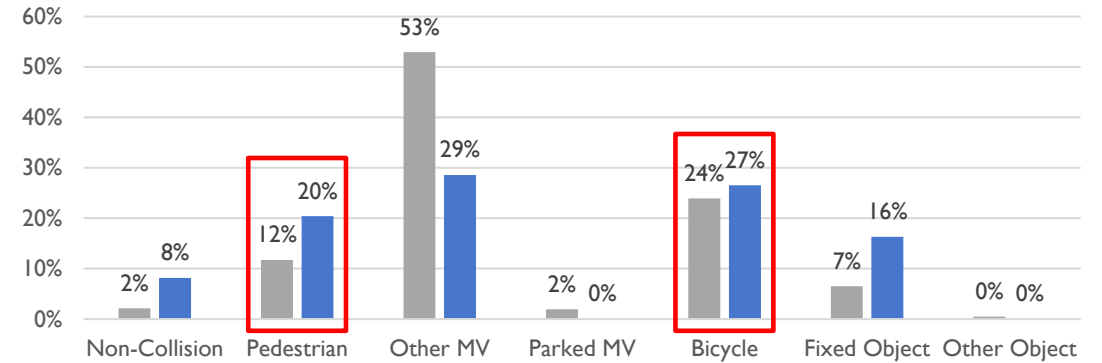


# ANALYSIS FINDINGS (2015 – 2019): INJURY COLLISIONS

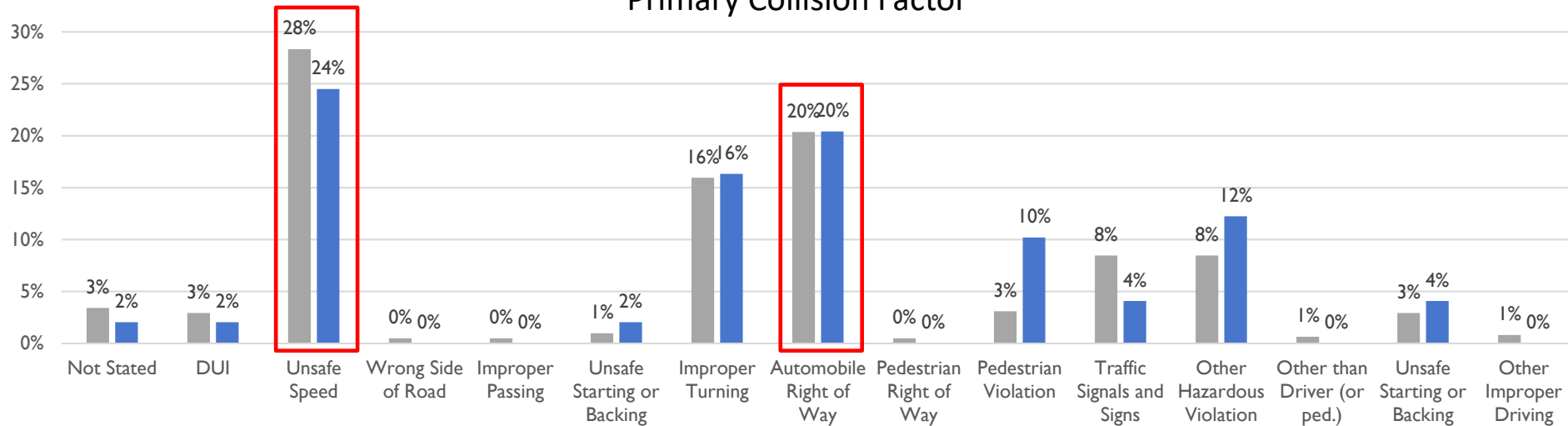
### Collisions by Type



### Motor Vehicle Involved With



### Primary Collision Factor



**Note:**

- Injury Collisions – fatal, severe injury, other visible injury and complaint of pain collisions
- F+SI – fatal and severe injury collisions

# EPDO SCORE

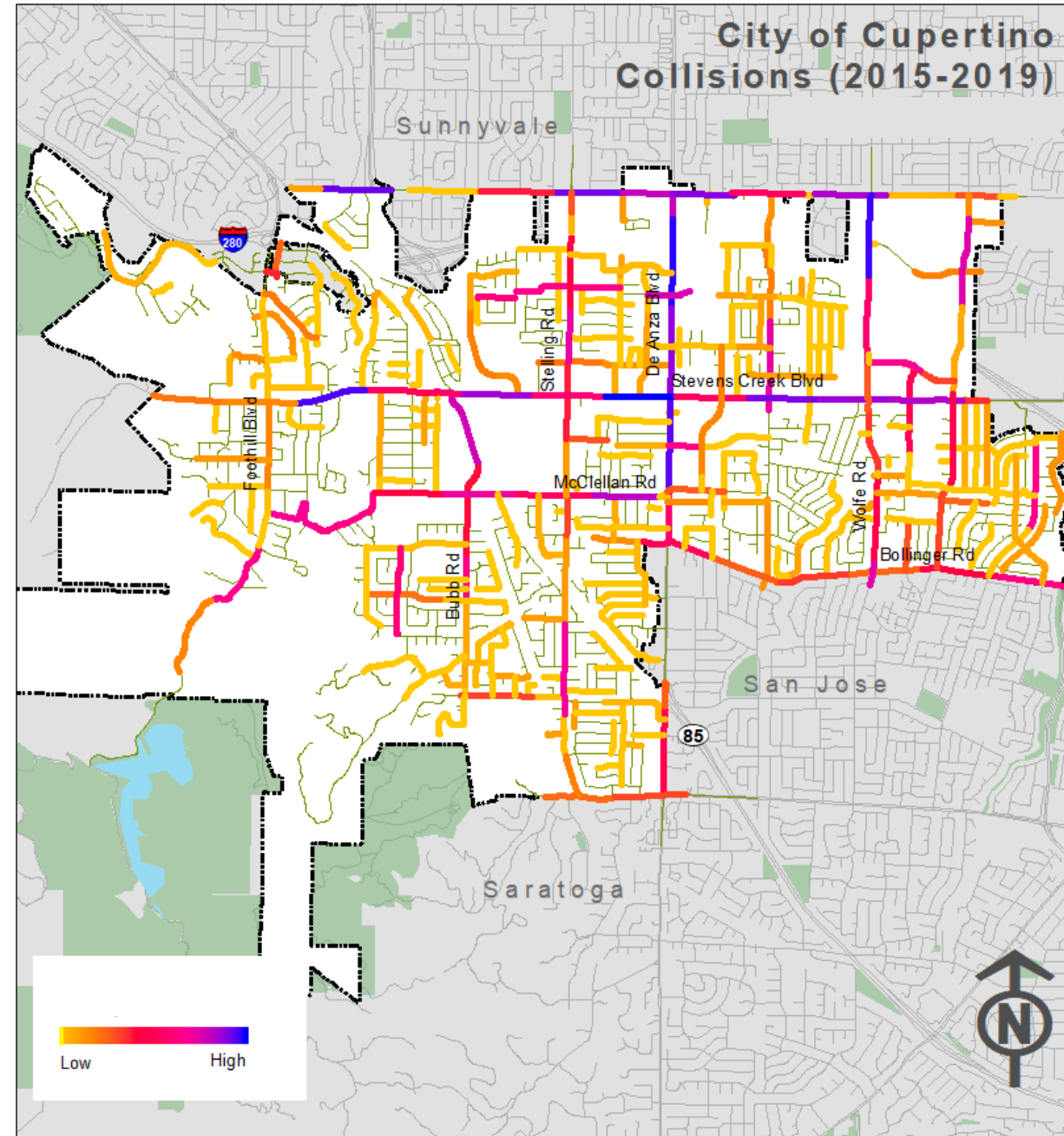
SOURCE : LOCAL ROAD SAFETY MANUAL 2020, CALTRANS

Equivalent property damage only (EPDO) methodology calculates a weighted score to identify locations that are experiencing more severe crashes. **Methodology used to prioritize high risk intersections and roadway segments.**

Collision Severity	EPDO Score
Fatal and Severe Injury Combined	165*
Visible Injury	11
Complaint of Pain	6
PDO	1

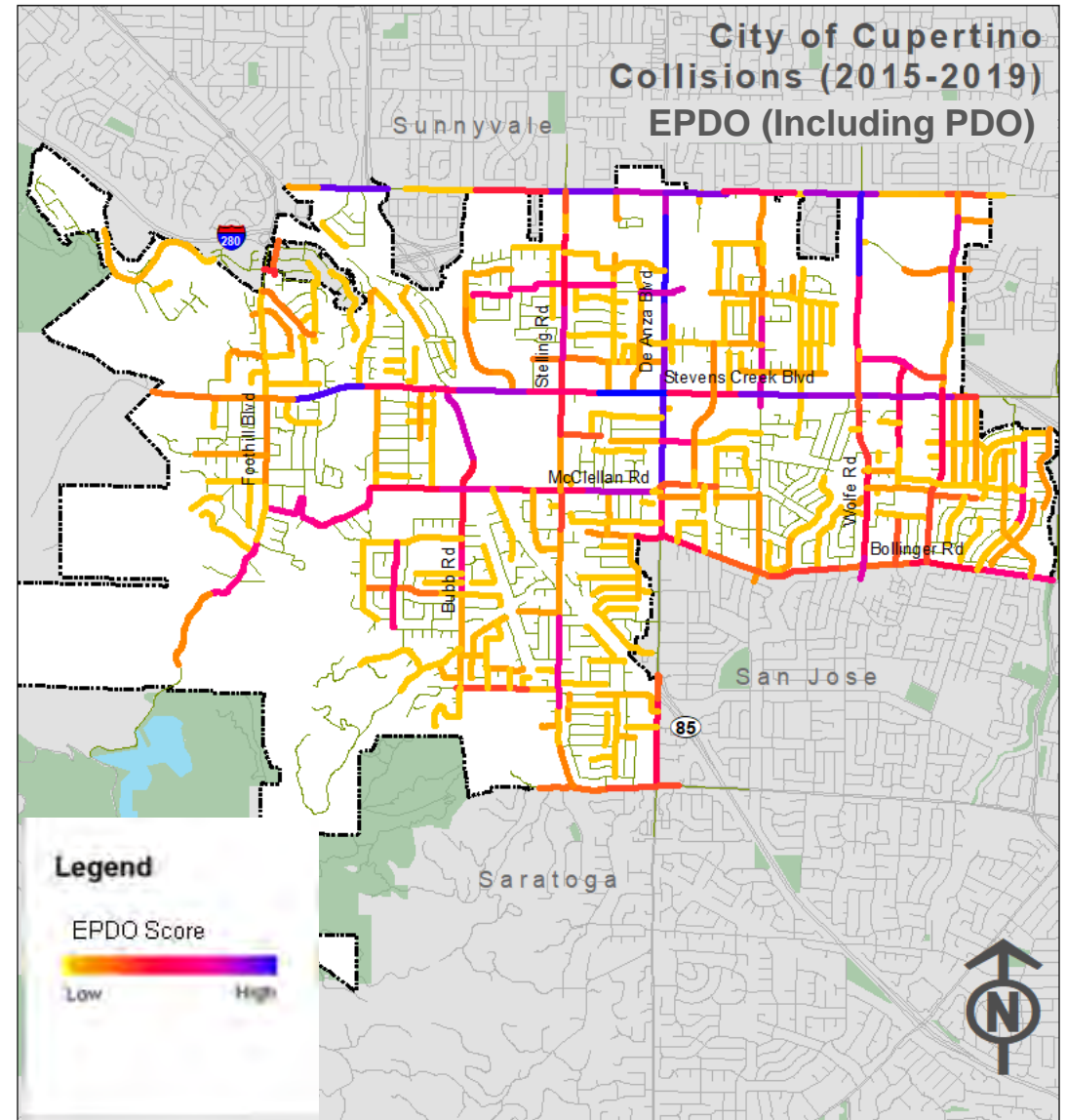
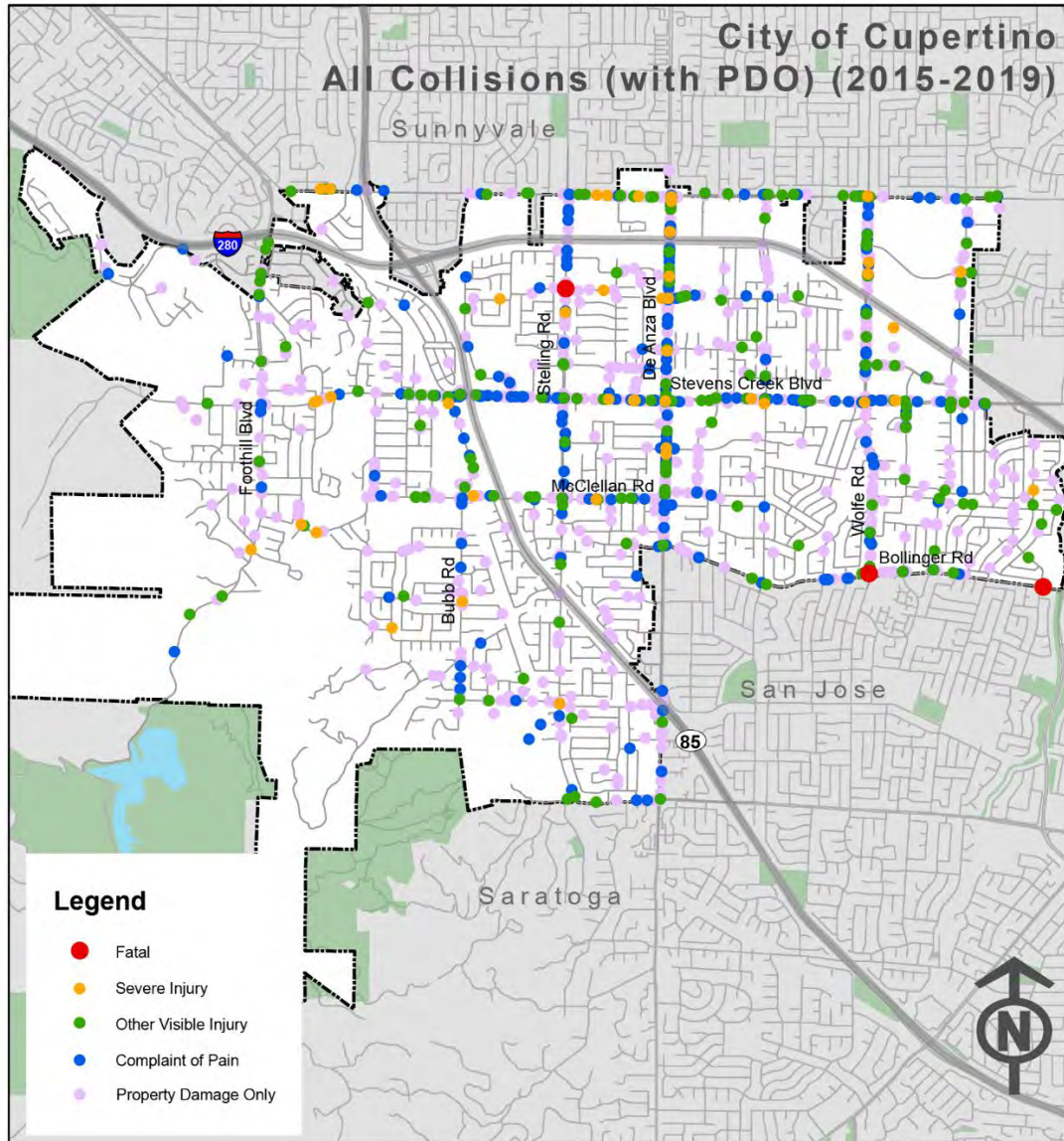
EPDO Score (HSIP Cycle 10) = (165 x Fatal) + (165 x Severe Injury) + (11 x Other Visible) + (6 x Complaint of Pain) + (1 x PDO)

- **STEP 1:** Divide each roadway into 0.3 mile segments
- **STEP 2:** Find the total number of collisions by severity on each segment
- **STEP 3:** Calculate each segment's EPDO Score
- **STEP 4:** Assign EPDO Score to each roadway segment
- **STEP 5:** Find locations with high severity and most frequency

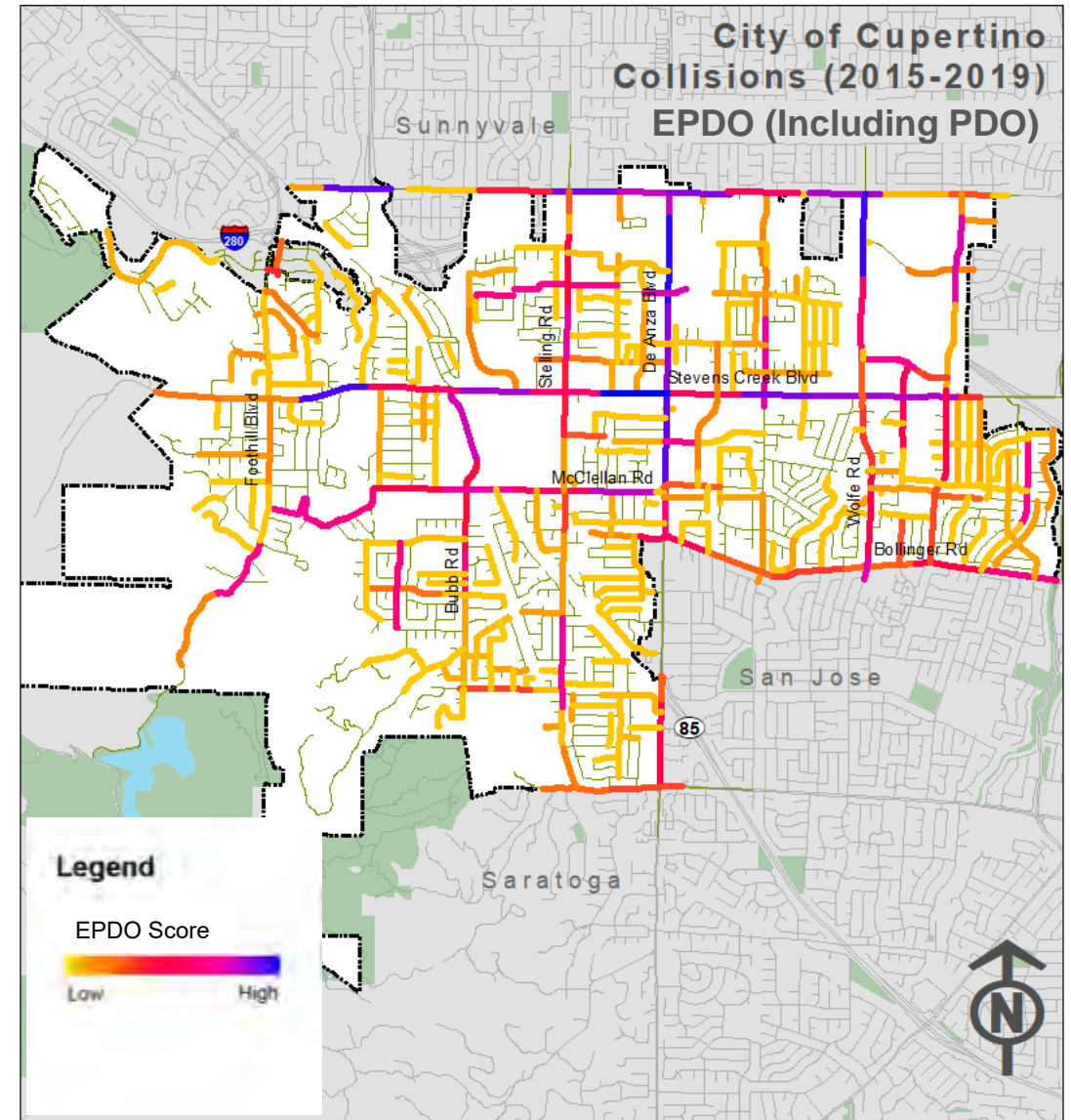
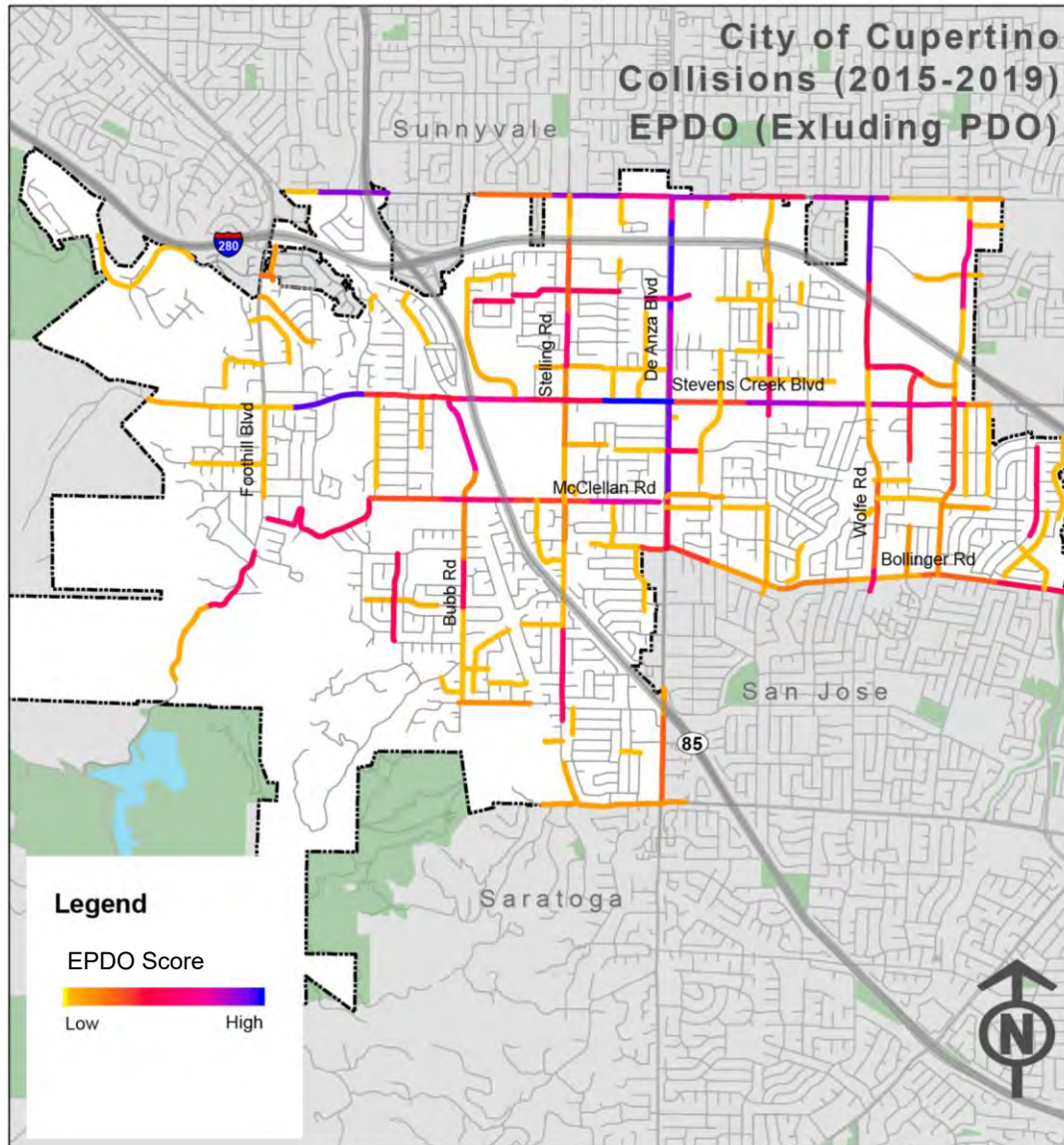




# EPDO SCORE MAP COMPARISON

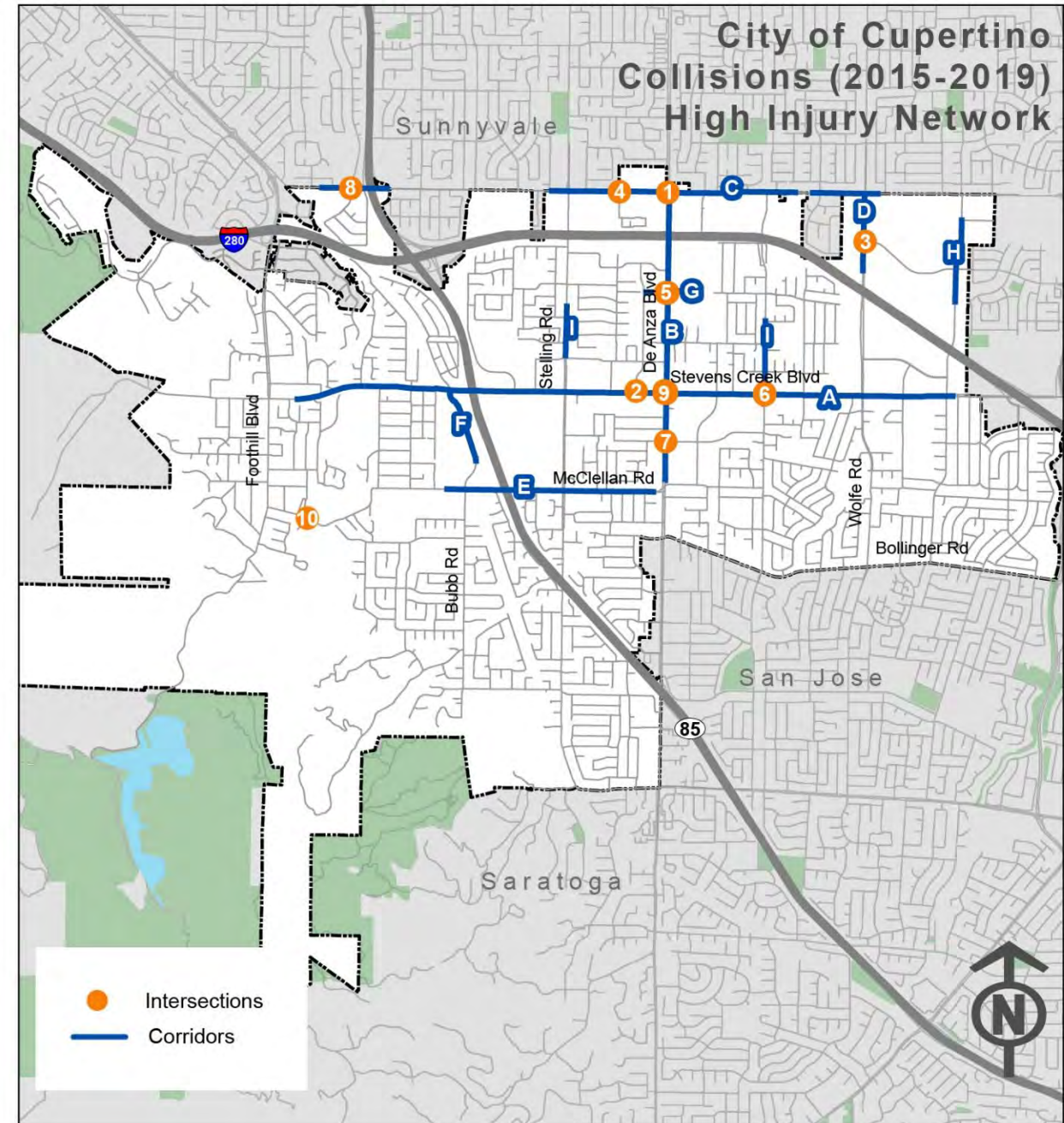


# EPDO SCORE MAP COMPARISON: PDO VS NON PDO



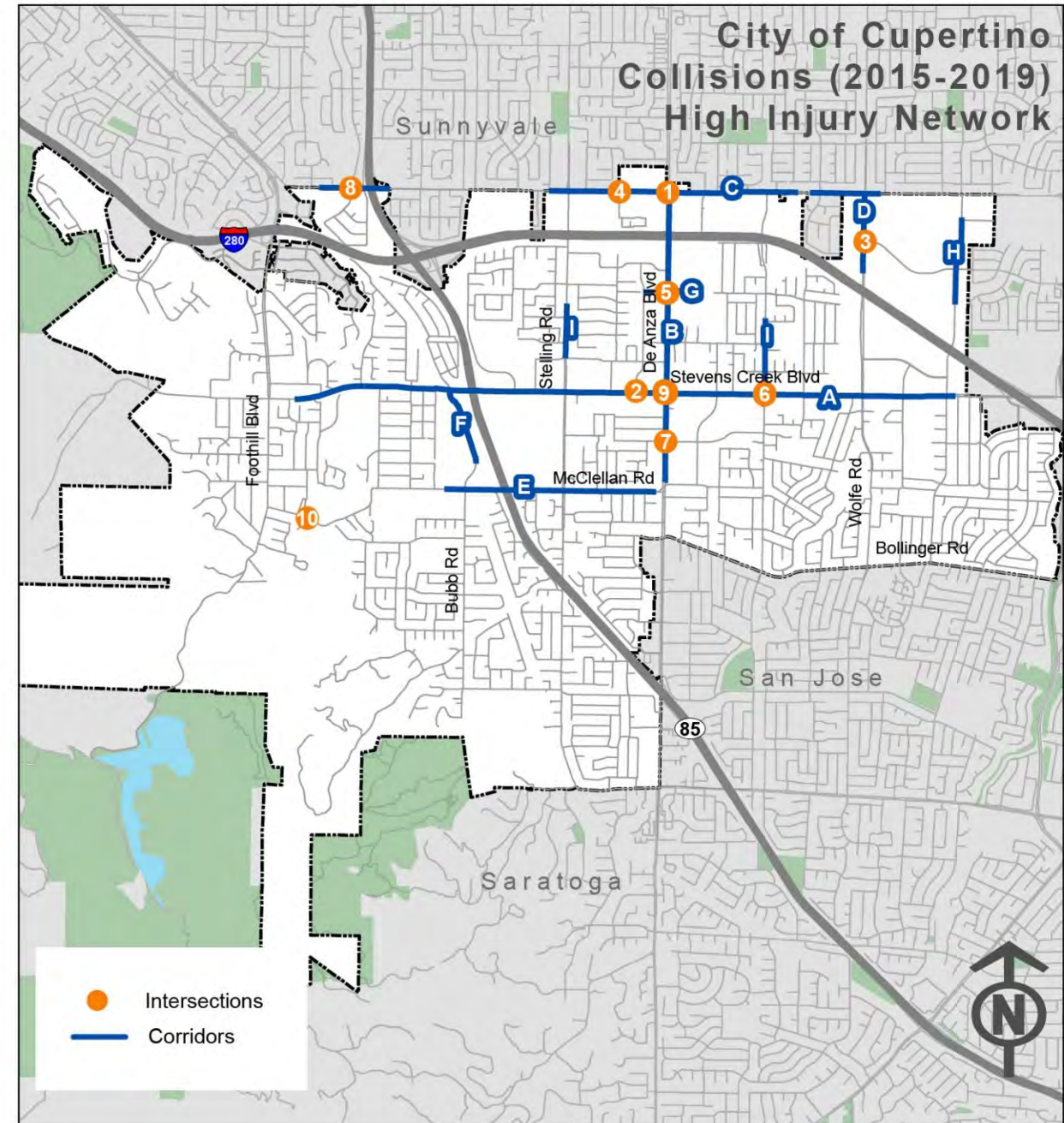
# HIGH-RISK INTERSECTIONS

ID	Intersection	EPDO Score
1	De Anza Blvd and Homestead Rd	1,028
2	Bandley Dr and Stevens Creek Blvd	800
3	Prunridge Ave and Wolfe Ave	546
4	Franco Ct/Forge Way and Homestead Rd	545
5	De Anza Blvd and Mariani Ave	465
6	Blaney Ave and Stevens Creek Blvd	400
7	S De Anza Blvd and Rodrigues Ave	388
8	Barranca Dr and Homestead Rd	373
9	De Anza Blvd and Stevens Creek Blvd	373
10	McClellan Rd and Clubhouse Ln	349



# HIGH-RISK CORRIDORS

ID	Corridors	EPDO Score
A	Stevens Creek Blvd: Janice Ave to Judy Ave	3,139
B	De Anza Blvd: Pacifica Dr to Homestead Rd	2,096
C	Homestead Rd: Fallen Leaf Ln to Wolfe Rd	1,666
D	Wolfe Rd: Homestead Rd to Pruneridge Ave	570
E	McClellan Rd: Imperial Ave to De Anza Blvd	490
F	Bubb Rd: Stevens Creek Blvd to 2,000 ft south of Stevens Creek Rd	220
G	Mariani Ave: Bandy Dr to Infinite Loop	209
H	Tantau Ave: Forge Dr to Pruneridge Ave	208
I	Blaney Ave: Pear Tree Ln to Stevens Creek Blvd	192
J	N Stelling Rd: Alves Dr to Greenleaf Dr	192



# OPEN DISCUSSION

- Questions on the project dashboard.
- Questions on the LRSP process and your role.
- Traffic and safety-related concerns on roads.
- Particular areas of concerns (not highlighted here).
- Concerns you may have heard from others.
- Existing programs/safety measures under Education, Enforcement, Engineering and Emergency Medical Services



# NEXT STEPS

- Summarize stakeholder and public input
- Identify and prioritize engineering countermeasures and non-engineering strategies
- Develop safety projects for all high-risk locations
- Hold 2<sup>nd</sup> Stakeholder Meeting

# PROJECT DASHBOARD IS LIVE!

Home » Local Road Safety Plan

## Local Road Safety Plan

[f](#) [t](#) [in](#) [e](#)

### Project Overview

The City of Cupertino is developing a comprehensive Local Road Safety Plan (LRSP). The LRSP will enable the City to enhance traffic safety for all modes of transportation and for all ages and abilities.

The LRSP will be achieved through a decision-making process that relies on the evaluation of a comprehensive collision database, partnership with stakeholders, and public outreach using the four 'E's of traffic safety: Engineering, Enforcement, Education, and Emergency Medical Services.

The development of the LRSP is funded by the Federal Highway Administration (FHWA) and the California Department of Transportation (Caltrans), and is a requirement for City of Cupertino to be eligible to receive federal funding for local roadway safety improvement projects in the future.

The LRSP will identify safety patterns throughout the City. The LRSP will also result in a toolbox of countermeasures to address the safety patterns as well as proposed projects to improve safety. The LRSP will also identify safety needs, including pedestrian safety, and will result in a toolbox of countermeasures to address these needs. The LRSP development process and implementation will have the opportunity to engage and obtain and offer feedback throughout the process.

### Project Area

**STAY INFORMED**  
Subscribe for project updates

Your email address:

**SUBSCRIBE**

13 members of your community are following this project

### Report Your Area Concern

Your input is essential for the success of this Local Road Safety Plan. Click the link to provide us with your concerns regarding traffic and safety: <https://new.maptionnaire.com/q/9f142ix656a7>

Comment examples:

- This roadway segment is unsafe for walking and biking.
- Cars don't stop at this stop-controlled intersection.
- Speeding on this roadway segment.

### Collision History

This map shows collisions that occurred in the City of Cupertino from 2015 to 2019: <https://arcg.is/Tqi090>

<https://engagecupertino.org/lrsp>

# REPORT YOUR CONCERNS

The screenshot shows a web page with a dark blue header containing the text "REPORT YOUR CONCERNS". Below the header, there are two buttons: "Report Your Area of Concern" (highlighted in a darker blue) and "Provide Your Feedback". The main content area is titled "Report Your Area of Concern" and includes social media icons for Facebook, Twitter, LinkedIn, and Email. Below the icons is the date "26 Jan 2022". The text reads: "Your input is essential for the success of this Local Plan. Please provide your comments on the Local Plan regarding traffic and safety." followed by a blue link: <https://new.maptionnaire.com/q/9f14zix66ra7>. Below the link, it says "Comment examples:" followed by a bulleted list: 

- This roadway segment is unsafe for walking and biking.
- Cars don't stop at this stop-controlled intersection.
- Speeding on this roadway segment.

 A large blue arrow with the text "Click Here" in white points to the link. At the bottom left of the page, it says "Page last updated: 28 January 2022, 10:36".



# GIVE US LOCATION-BASED FEEDBACK/COMMENTS!

