

CITY OF CUPERTINO LOCAL ROAD SAFETY PLAN

COMMUNITY WORKSHOP

MARCH 30, 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:

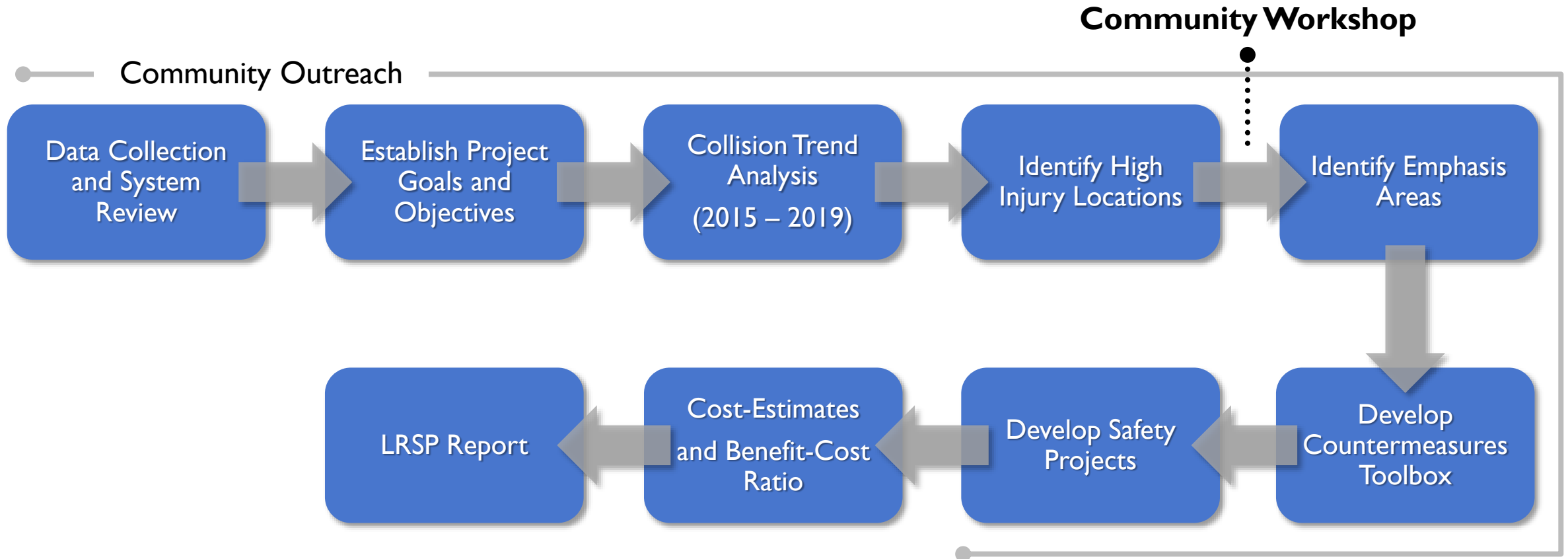
- To reduce fatalities and severe injuries (F+SI) on the City's roadways and intersections
- To identify, analyze and prioritize roadway and intersection safety improvements on local roads
- A required document to be eligible for the Highway Safety Improvement Program (HSIP) grant funding

■ Considers Engineering and Non-engineering Strategies

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



PROJECT STATUS AND MILESTONES

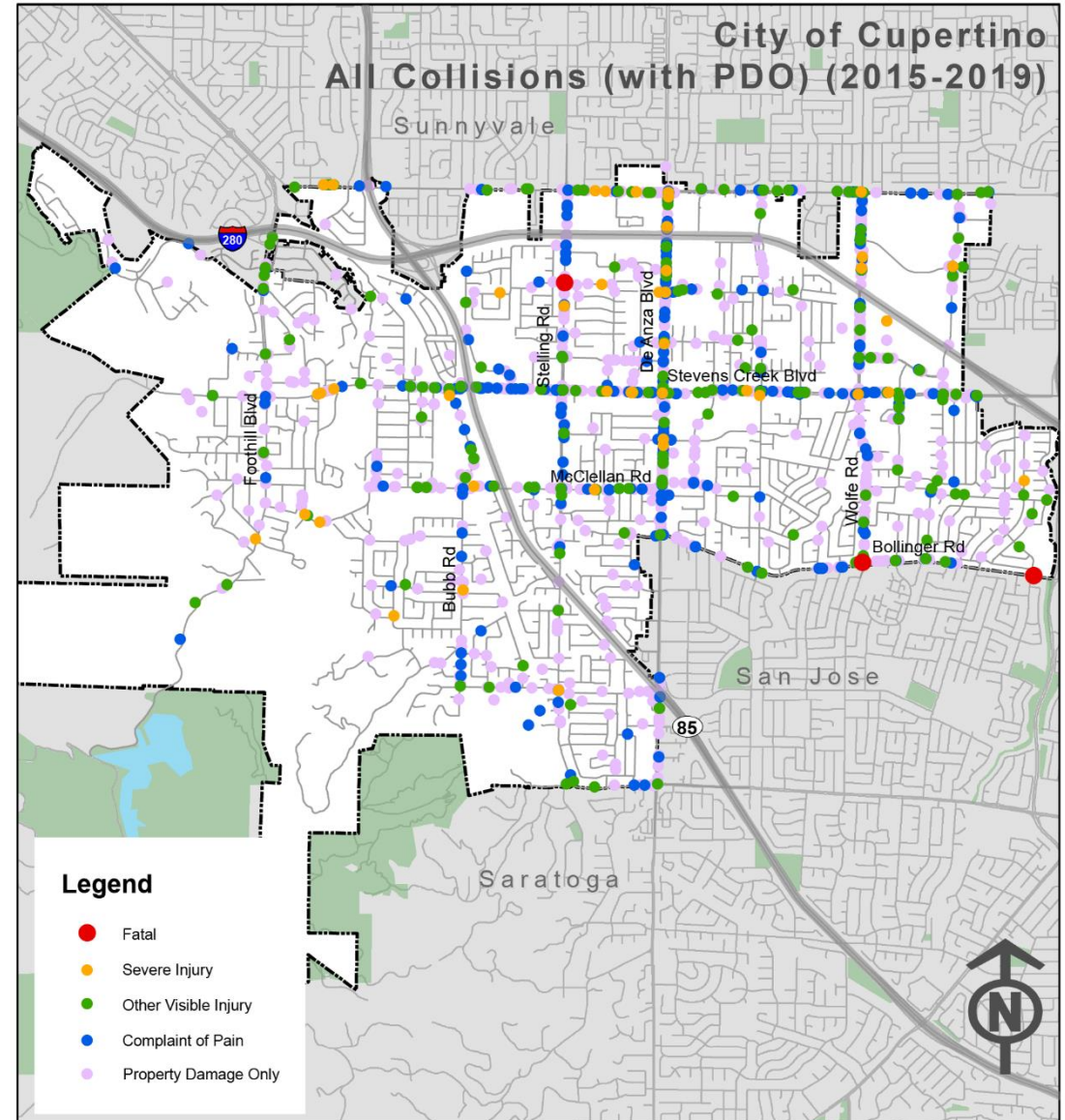
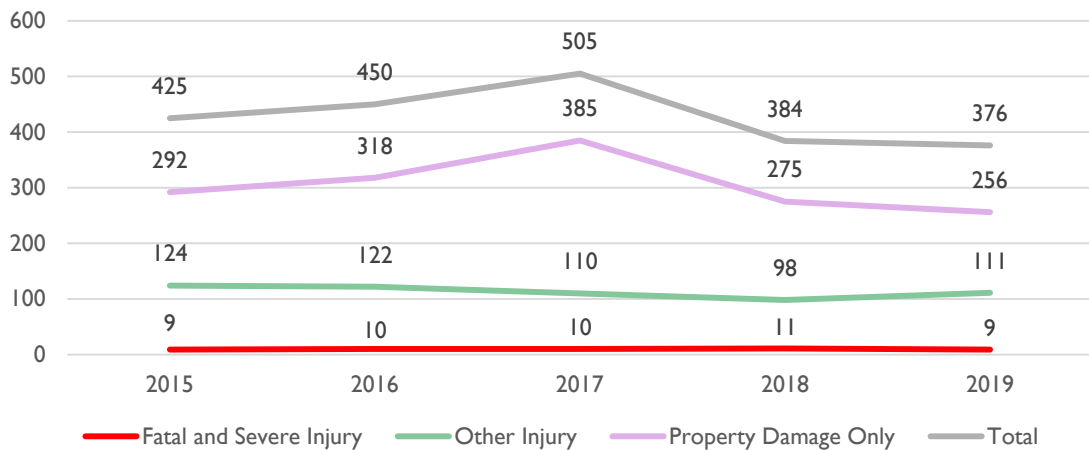
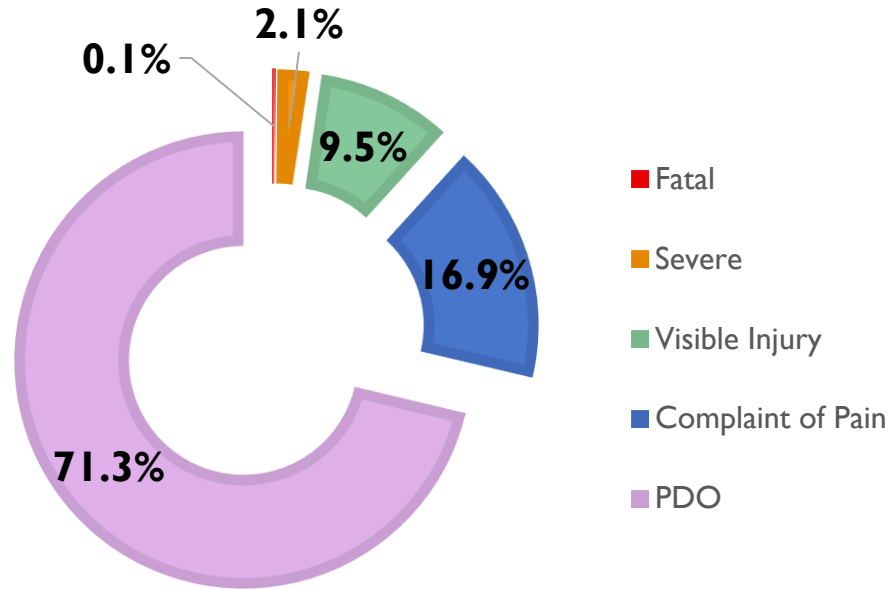


YOUR ROLE AS SAFETY CHAMPIONS

- Tell us about traffic safety related issues
- Tell us what you heard from other members of the community
- Report your concerns in an interactive survey at www.engagecupertino.org/lrsp
- Share the survey with your friends and family
- Stay informed about the project

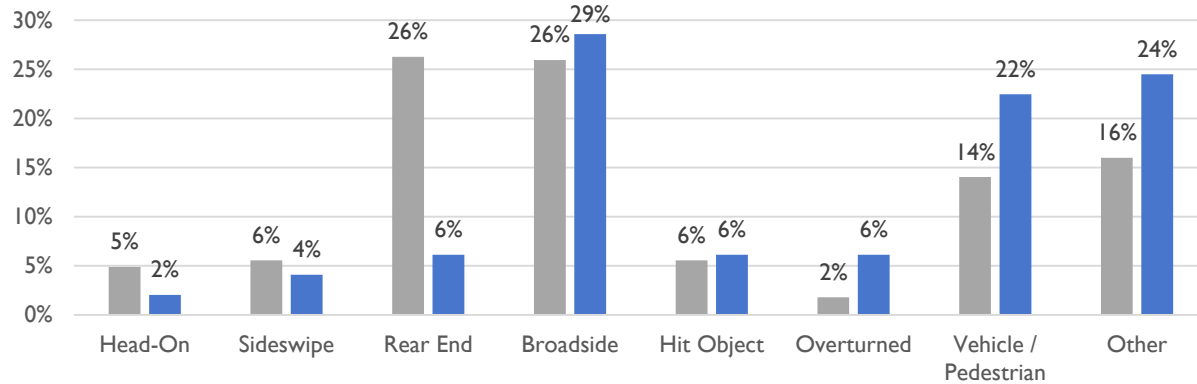


ANALYSIS FINDINGS (2015 – 2019): ALL COLLISIONS

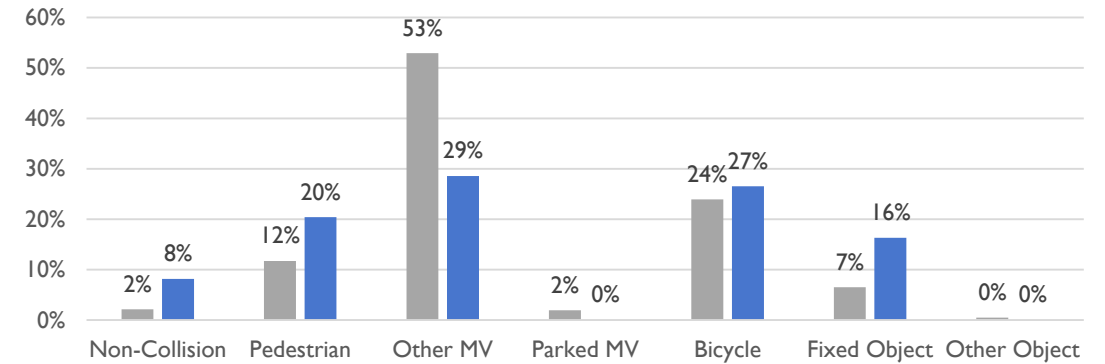


ANALYSIS FINDINGS (2015 – 2019): INJURY COLLISIONS

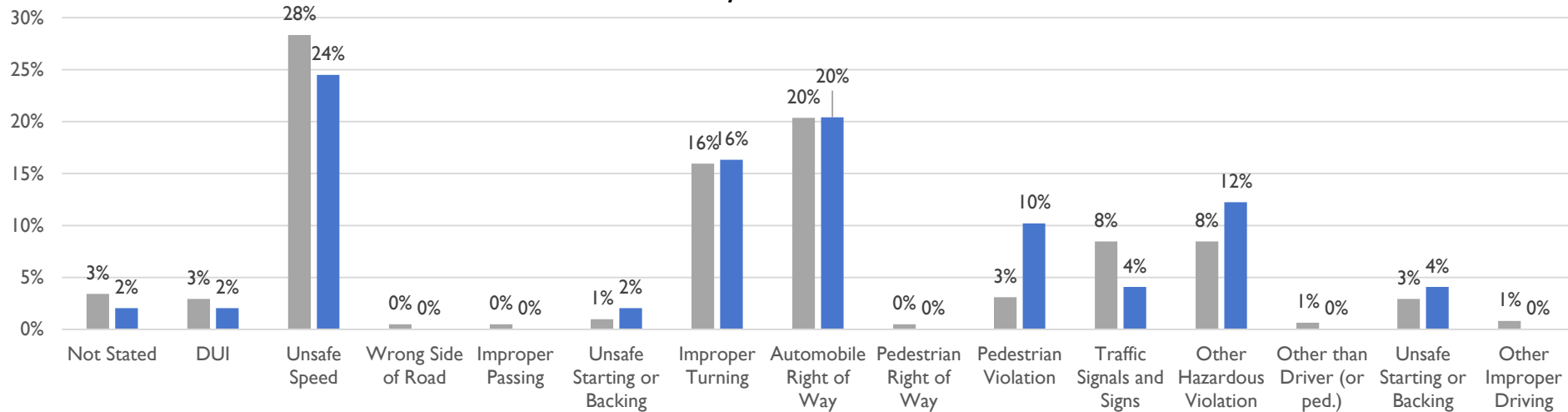
Collisions by Type



Motor Vehicle Involved With



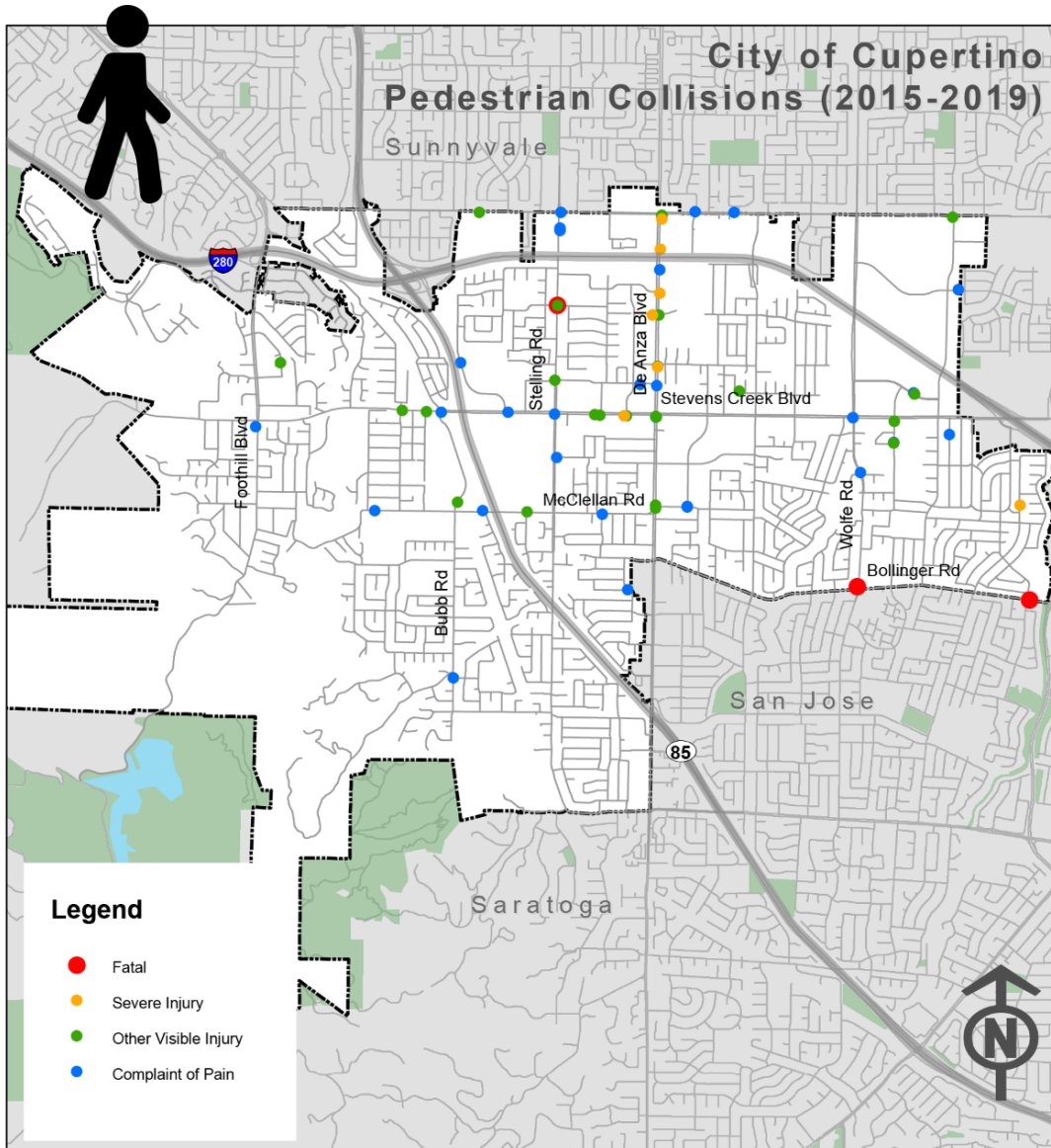
Primary Collision Factor



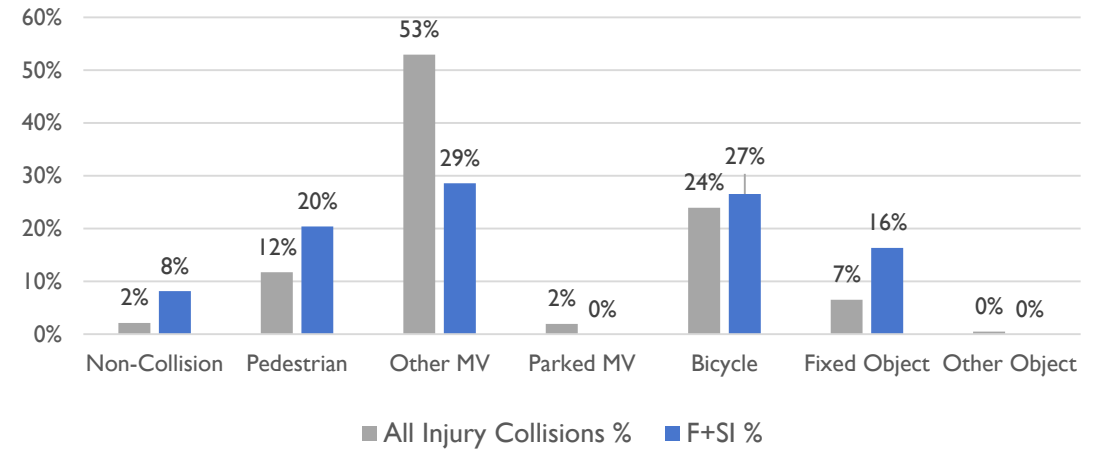
Note:

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

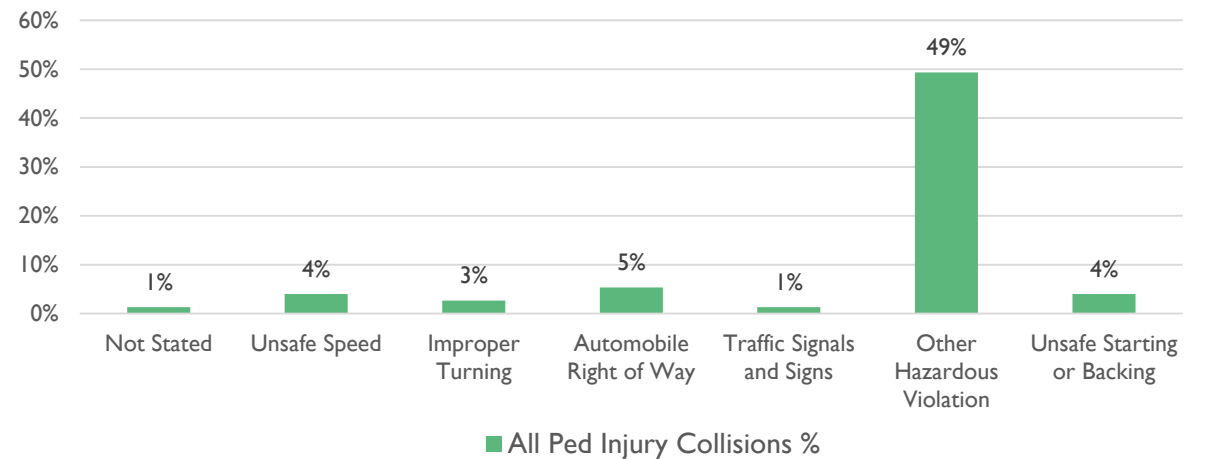
PROMINENT COLLISION TRENDS (INJURY COLLISIONS)



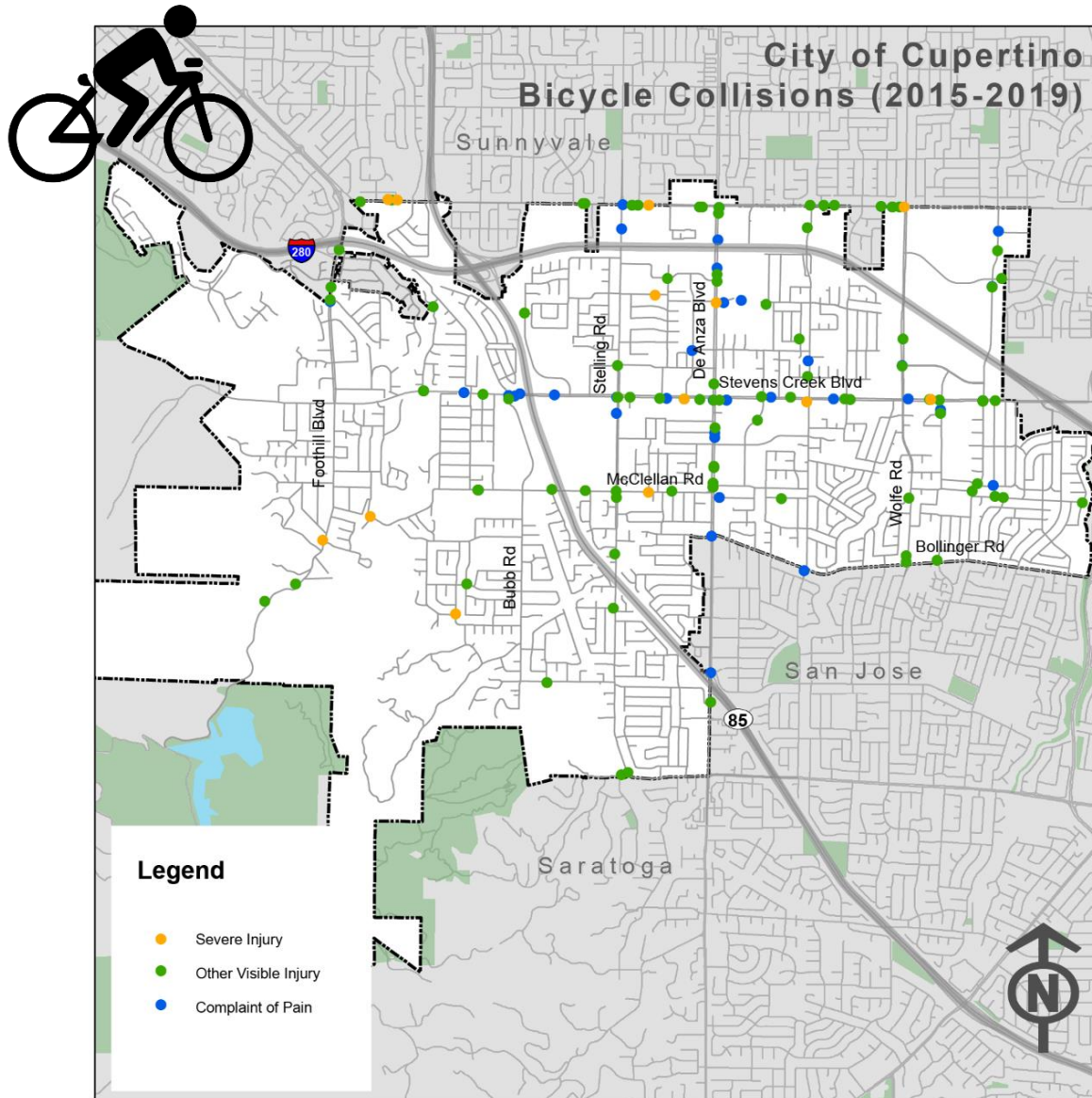
Motor Vehicle Involved With



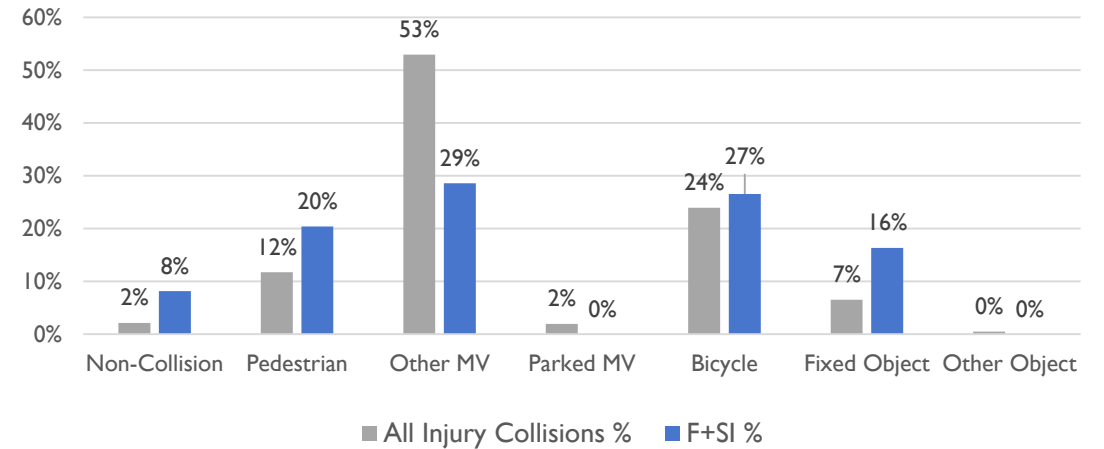
Primary Collision Factor (Pedestrian Injury Collisions)



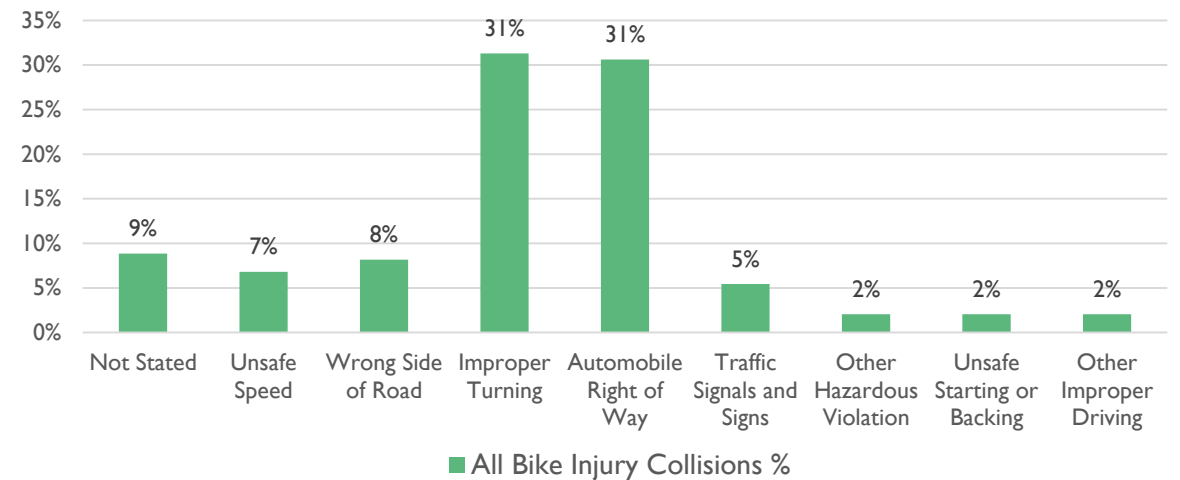
PROMINENT COLLISION TRENDS (INJURY COLLISIONS)



Motor Vehicle Involved With



Primary Collision Factor (Bike Injury Collisions)



EPDO SCORE

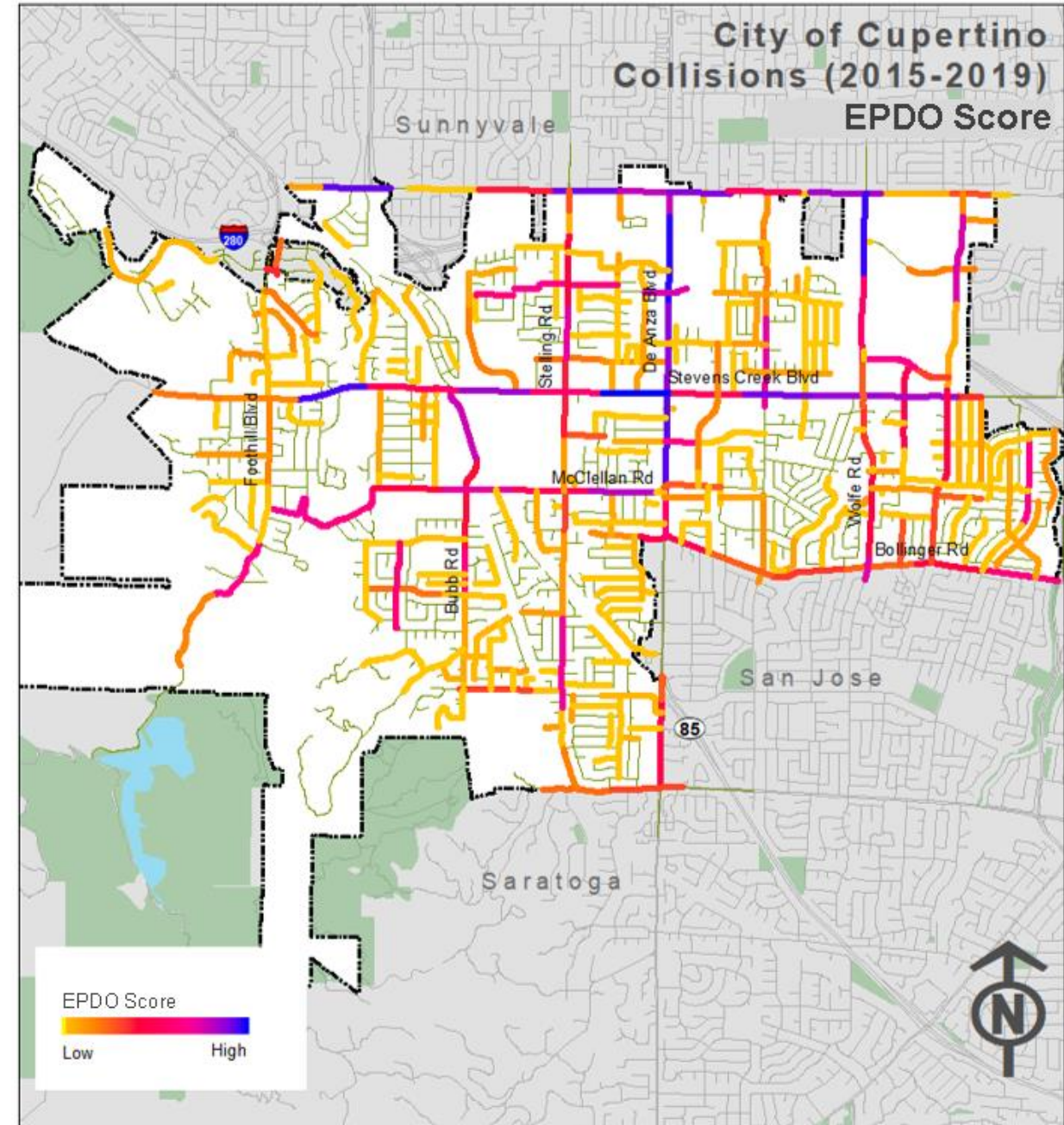
SOURCE : LOCAL ROAD SAFETY MANUAL 2020, CALTRANS

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 |

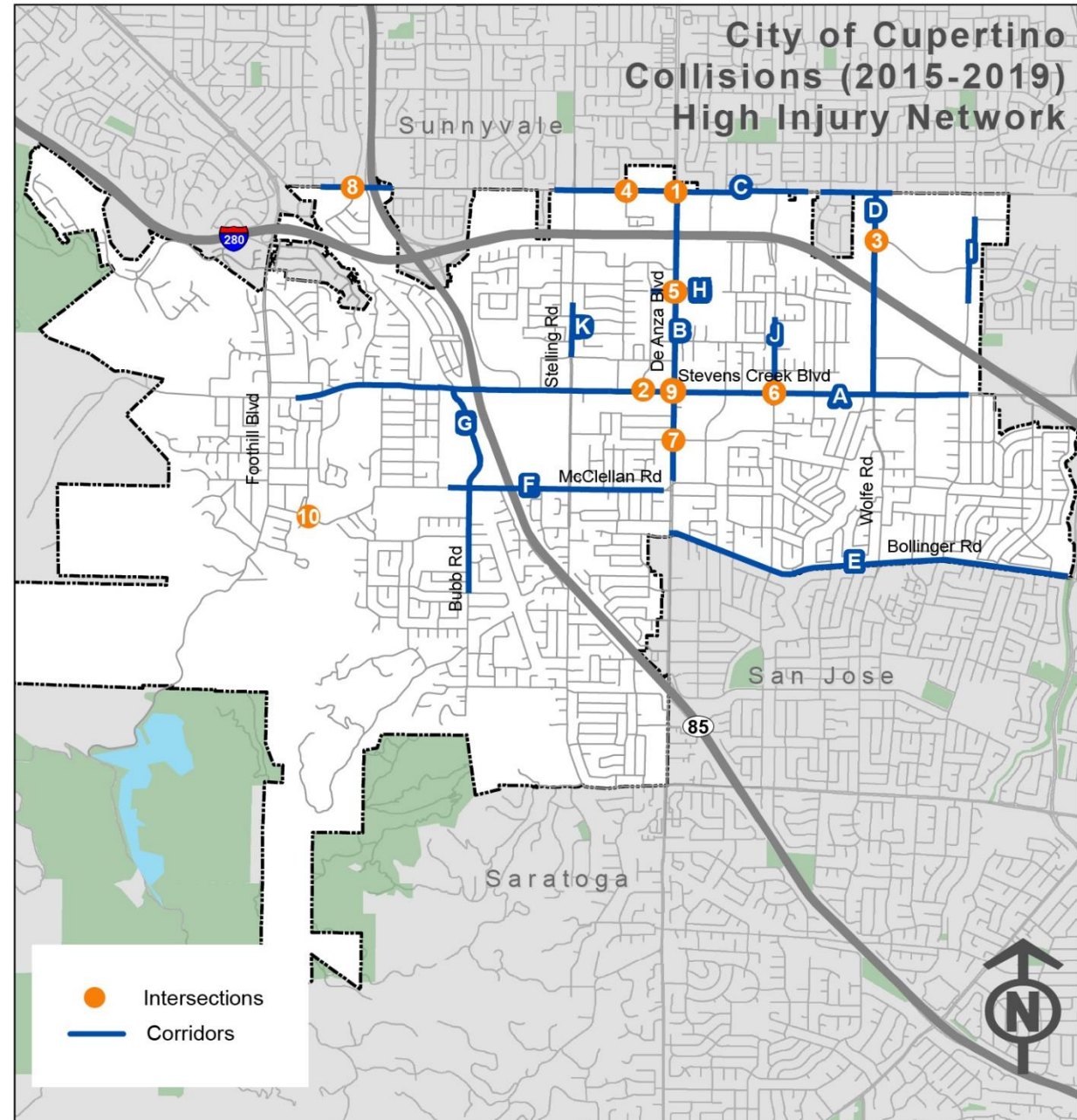
EPDO Score (HSIP Cycle 10) = (165 x Fatal) + (165 x Severe Injury) + (11 x Other Visible) + (6 x Complaint of Pain) + (1 x PDO)

- **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



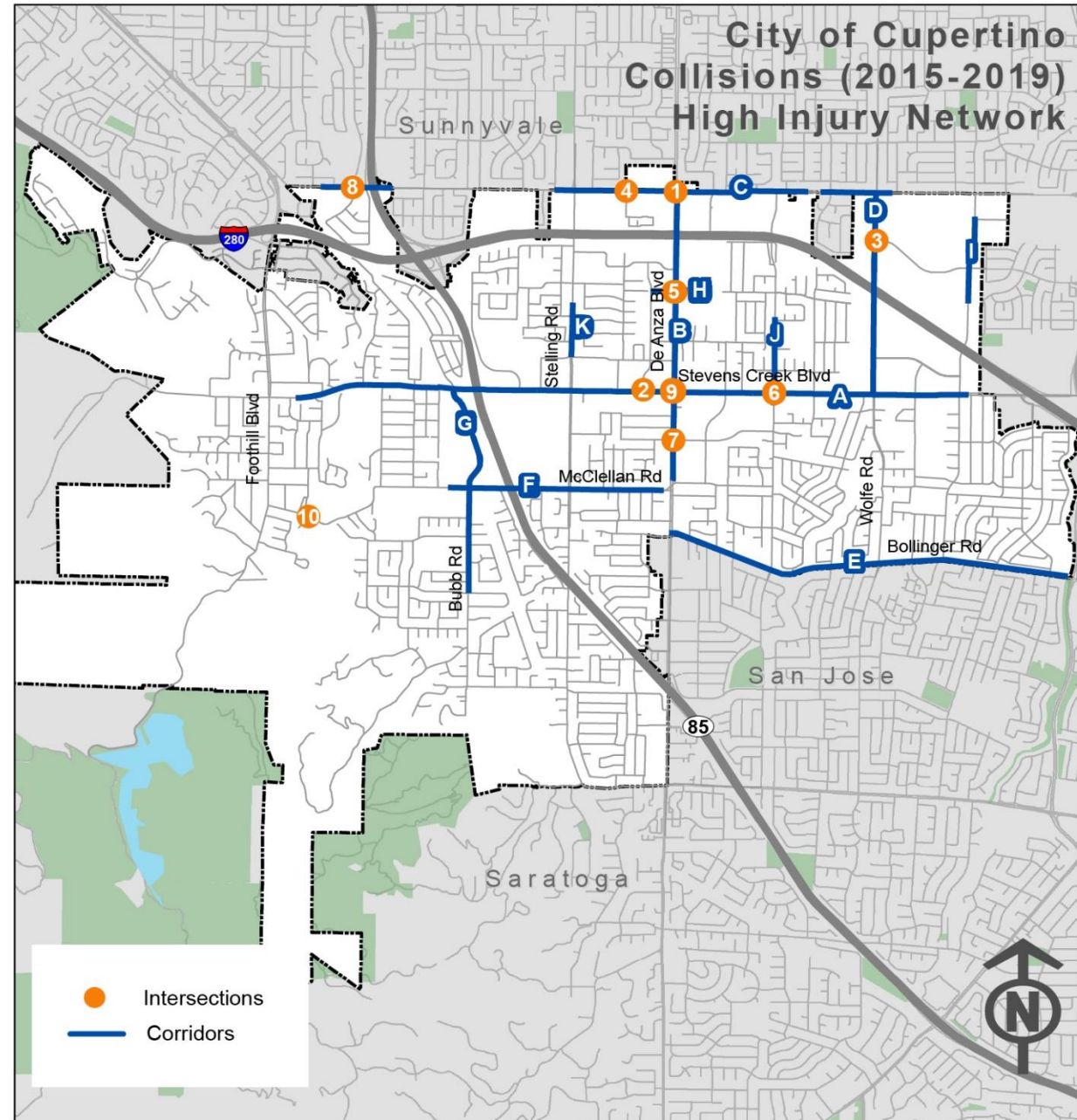
HIGH-RISK INTERSECTIONS

| 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 Bollinger Rd | 729 |
| E | Bollinger Rd: Lawrence Expy to De Anza Blvd | 562 |
| F | McClellan Rd: Imperial Ave to De Anza Blvd | 490 |
| G | Bubb Rd: Stevens Creek Blvd to Columbus Ave | 436 |
| H | Mariani Ave: Bandy Dr to Infinite Loop | 209 |
| I | Tantau Ave: Forge Dr to Pruneridge Ave | 208 |
| J | Blaney Ave: Pear Tree Ln to Stevens Creek Blvd | 192 |
| H | 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.



NEXT STEPS

- Summarize public input
- Identify and prioritize engineering countermeasures and non-engineering strategies
- Develop safety projects for all high-risk locations
- Develop final plan

PROJECT DASHBOARD IS LIVE!

Home » Local Road Safety Plan

Local Road Safety Plan

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Project Overview

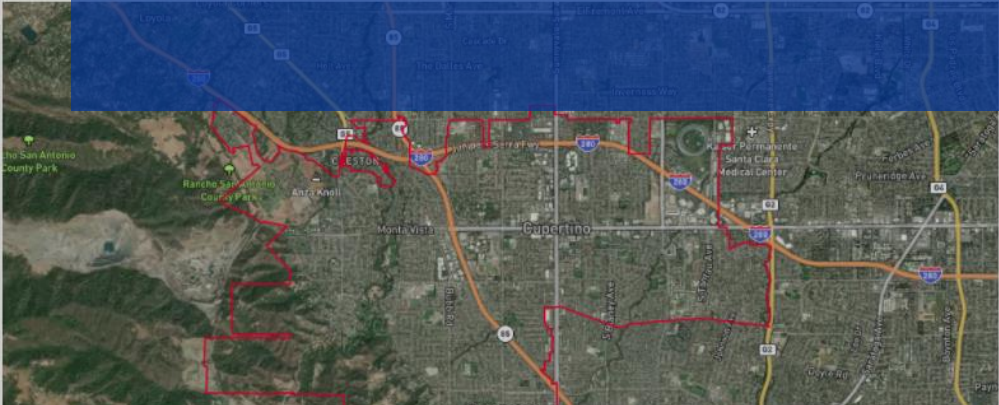
The City of Cupertino is developing a comprehensive Local Road Safety Plan (LRSP). The LRSP will enable the City to enhance traffic safety for all modes of transportation and for all ages and abilities.

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 and bicycle safety, and will result in a toolbox of countermeasures to address these needs. The LRSP's development process and implementation will provide members of the public with the opportunity to engage with the City 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/9fl4zix66ra7>

Comment examples:

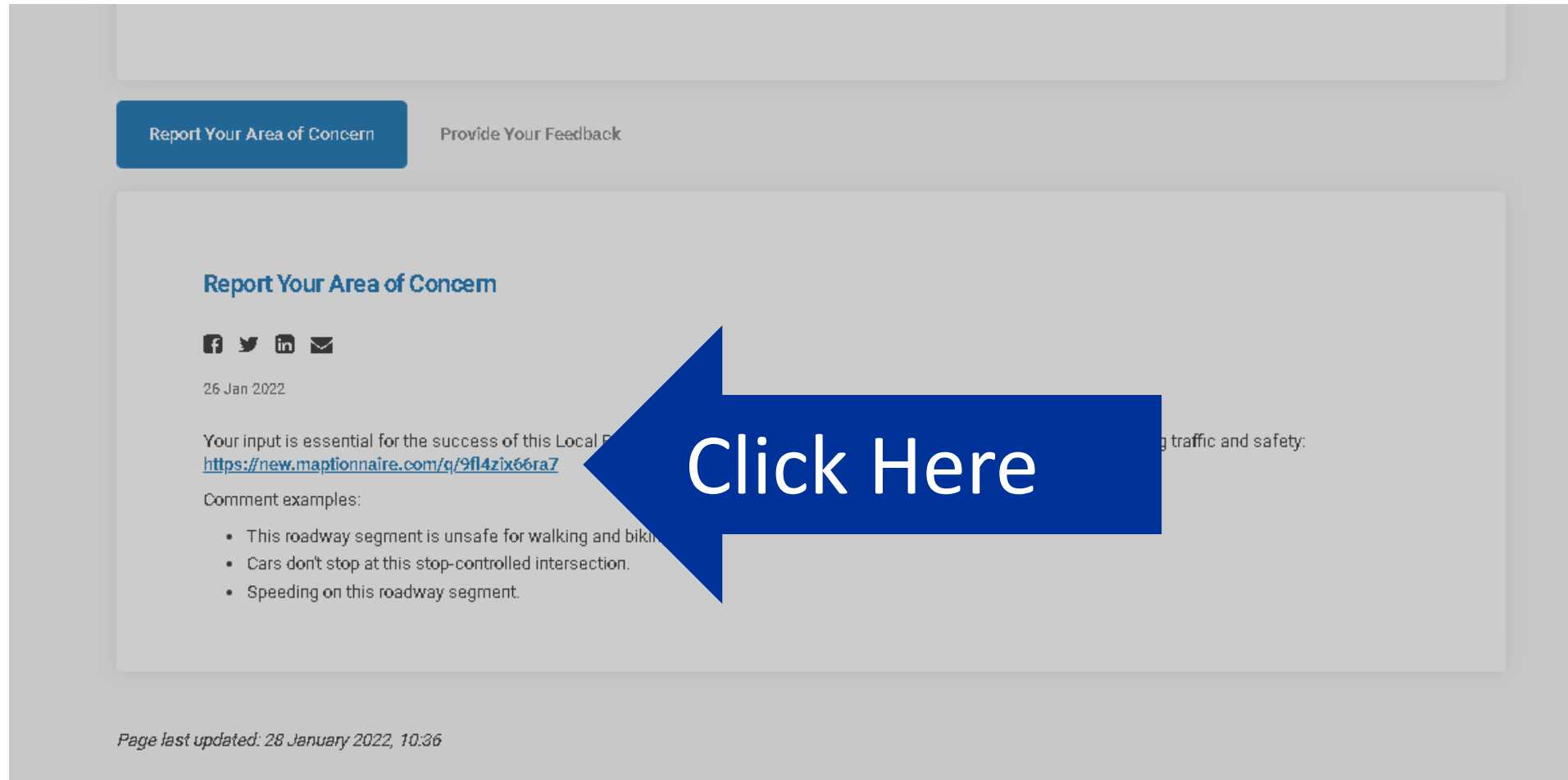
- This roadway segment is unsafe for walking and biking.
- Cars don't stop at this stop-controlled intersection.
- Speeding on this roadway segment.

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 titled "Report Your Area of Concern". At the top, there are two buttons: "Report Your Area of Concern" (highlighted in blue) and "Provide Your Feedback". Below the buttons, the page content includes a heading "Report Your Area of Concern", social media icons for Facebook, Twitter, LinkedIn, and Email, and the date "26 Jan 2022". The main text states: "Your input is essential for the success of this Local Plan. Please provide feedback on the issues affecting traffic and safety: <https://new.maptionnaire.com/q/9f14zix66ra7>". Below this, 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.", and "• Speeding on this roadway segment." A large blue arrow with the text "Click Here" in white points to the URL. At the bottom left of the page, it says "Page last updated: 28 January 2022, 10:36".

GIVE US LOCATION-BASED FEEDBACK/COMMENTS!

