

Unincorporated San Mateo County Local Road Safety Plan

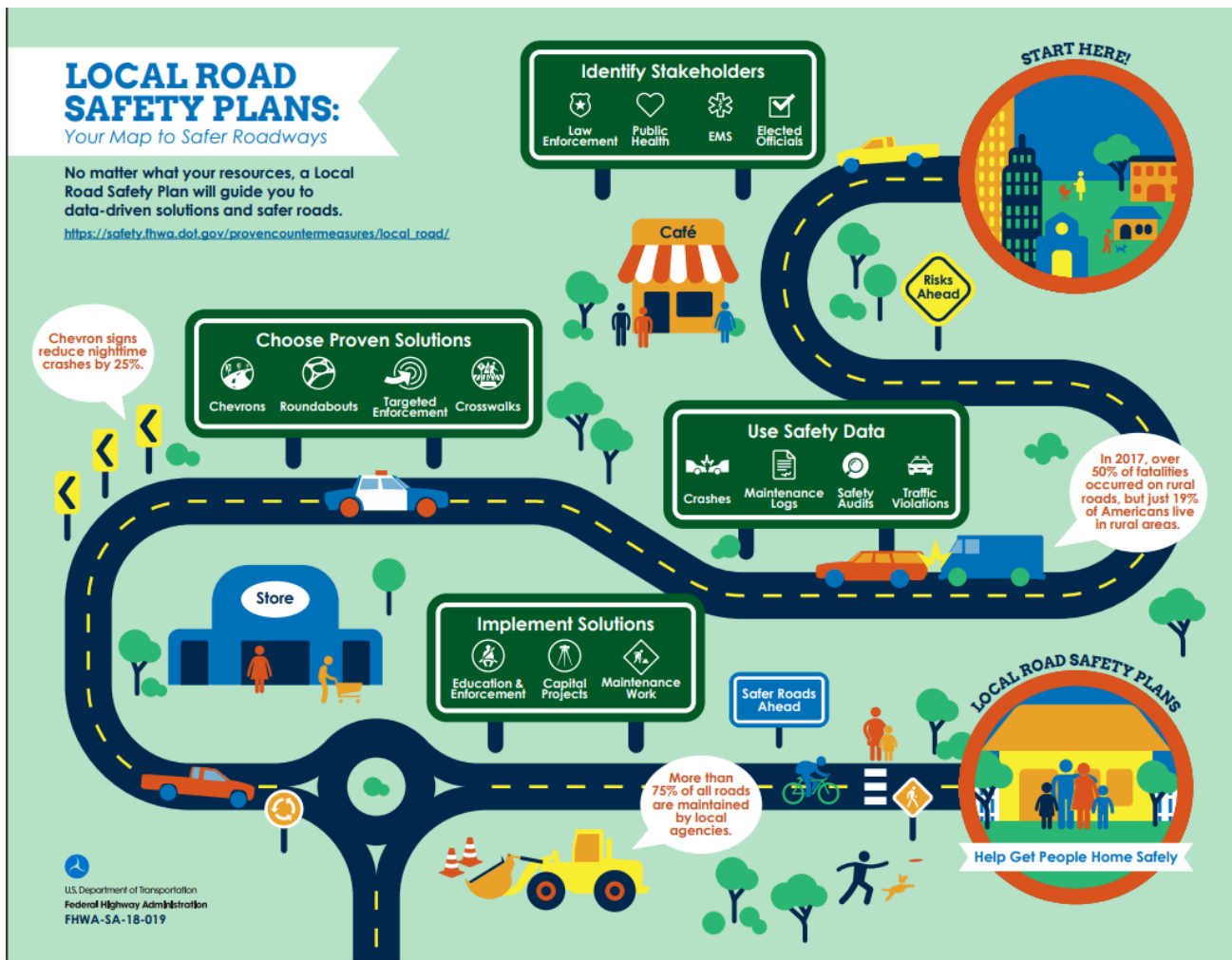
Department of Public Works



COUNTY OF SAN MATEO



What is a Local Road Safety Plan?



Local Road Safety Plan Goals

Goals

0 traffic-related fatalities by 2035

Reduce severe injury collisions by 50% by 2035

Improve safety for all roadway users



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Project Stakeholders

California Highway Patrol

Caltrans

San Mateo County Office of Sustainability

San Mateo County Planning & Building Department

San Mateo County Bicycle and Pedestrian Advisory Committee

San Mateo County Board of Supervisors

San Mateo County Department of Public Health



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Project Data

Based on injury collision reports collected by law enforcement from 2014 through 2020

Limitations:

- Hospital data did not have location
- No good data sources for near-misses



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Data Analysis Process

Collision Data for road segments and intersections

Intersections:

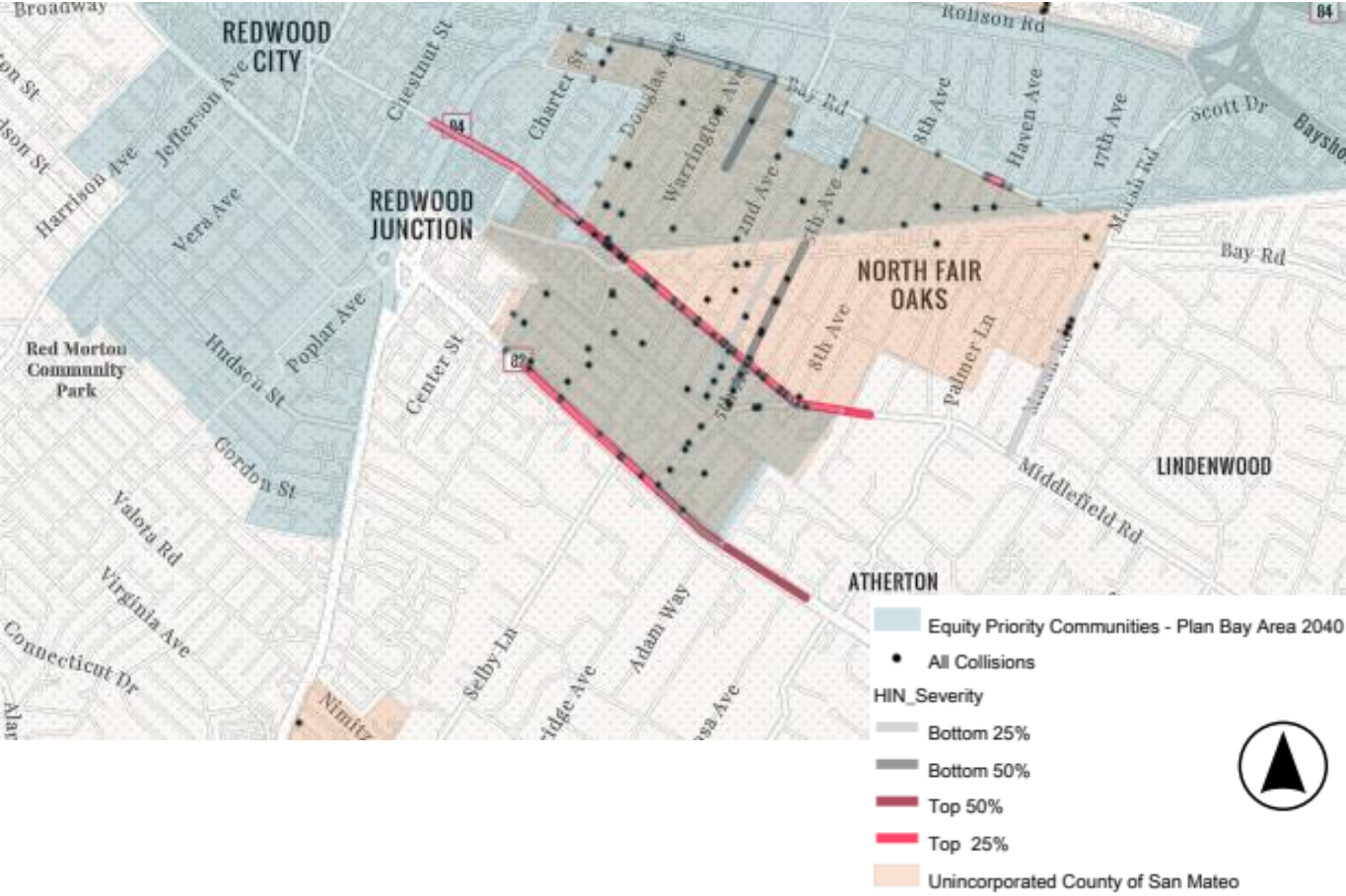
- Identified priority intersections with top 15 most injury collisions
- Separated signalized/unsignalized

Road Segments:

- Identified top 20 roads using collisions.
- Severe Injury and Fatal Collisions given 10x weight
- Active Mode-Involved Collisions also given 10x weight



Data Analysis Process



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Countermeasures

Countermeasures

- Selected from the Caltrans Local Road Safety Manual
- Matched to road segments and intersections based on collision type and modes



Results

Priority Road Segments (truncated to fit in slide. See report for full list)

Street Name	Install Bike Lanes	Install Separated Bike Lanes	Install Chevrons	Install Curve Warning Signs	Install Delineators and Reflectors on Median	Install Edgelines	Install Edgelines and Centerlines	Install Rapid Rectangular Flashing Beacons	Install/Upgrade Crossing with Enhanced Safety	Restrict Parking	Road Diet
4th Ave								X	X		
5th Ave	X ¹						X	X	X		
Alameda de las Pulgas	X										X ²
Alpine Rd				X ³							
Avy Ave							X				
Bay Rd	X						X	X	X		X
Canada Rd		X	X	X							
Cloverdale Rd							X				
Country Club Dr							X				
Edgewood Rd							X				
Golf Course Dr	X										X
Guadalupe Canyon Pkwy		X									X ⁴
Harbor Blvd	X							X	X		X
Higgins Canyon Rd				X			X				
Hillside Blvd	X							X	X		X
Middlefield Rd	X							X	X		X
Old La Honda Rd				X							
Pescadero Creek Rd		X	X	X							
Ringwood Ave				X			X				

¹ Buffered green bike lanes installed in 2021

² Under final design

³ Conceptual study completed

⁴ Under conceptual design

Results

Priority Intersections (Unsignalized)

Primary Street	Secondary Street	Install intersection lighting	Convert to all-way stop control	Install signals	Convert Intersection to roundabout	Install/upgrade larger or additional warning/regulatory signs	Upgrade intersection pavement markings	Install flashing beacons at stop-controlled intersections	Install flashing beacons as advance warning	Create directional median openings to allow/restrict left/U-turns	Install raised medians/refuge island	Install pedestrian crossings at uncontrolled locations with enhanced safety features	Install rectangular rapid flashing beacon	Install pedestrian signal (HAWK)
Alpine Rd	Interstate 280			X ¹	X	X		X	X					
State Route 82	Selby Lane	X		X	X					X	X	X	X	X ²
State Route 1	Cypress Ave		X	X		X	X		X		X			
Spring St	Warrington Ave		X									X	X	
Montgomery Ave	San Carlos Ave		X ³											
State Route 1	Medio Ave										X	X	X	X
State Route 1	Virginia Rd										X	X	X	X
Edgewood Rd	Canada Rd				X	X								
Edgewood Rd	Crestview Dr				X	X								
Middlefield Rd	6 th Ave											X	X	X
Middlefield Rd	2 nd Ave			X								X	X ⁴	X

Results

Priority Intersections (Signalized)

Primary Street	Secondary Street	Install/upgrade larger or additional warning/regulatory	Upgrade intersection pavement markings	Install flashing beacons as advance warning	Create directional median openings to allow/restrict left/U-	Install raised medians/refuge Island	Improve signal hardware	Improve signal timing	Install raised pavement markers and striping through intersection	Modify signal phasing to implement a Leading Pedestrian Interval
State Route 1	Capistrano Ave					X	X	X	X	X
Alameda de las Pulgas	Valparaiso Ave									X
Middlefield Road	5 th Ave						X	X	X	X
Ralston Ave	State Route 92	X		X						

Implementation

- **Some improvements are already completed/underway**
 - Middlefield Road
 - Santa Cruz Ave
- **Projects will be developed from these lists as funding becomes available**
- **Some countermeasures may be implemented as part of maintenance projects**



Next Steps and Future updates

- **Present Final Draft to Public – Fall 2022**
- **Board adoption in – December 2023**
- **Local Road Safety Plan will be re-evaluated, at minimum, every 5 years with new data and evaluation of implemented countermeasures**

