

# BPAC Meeting

June 24, 2019

## PEDESTRIAN MASTER PLAN



**City of  
Santa Clara**

# Agenda

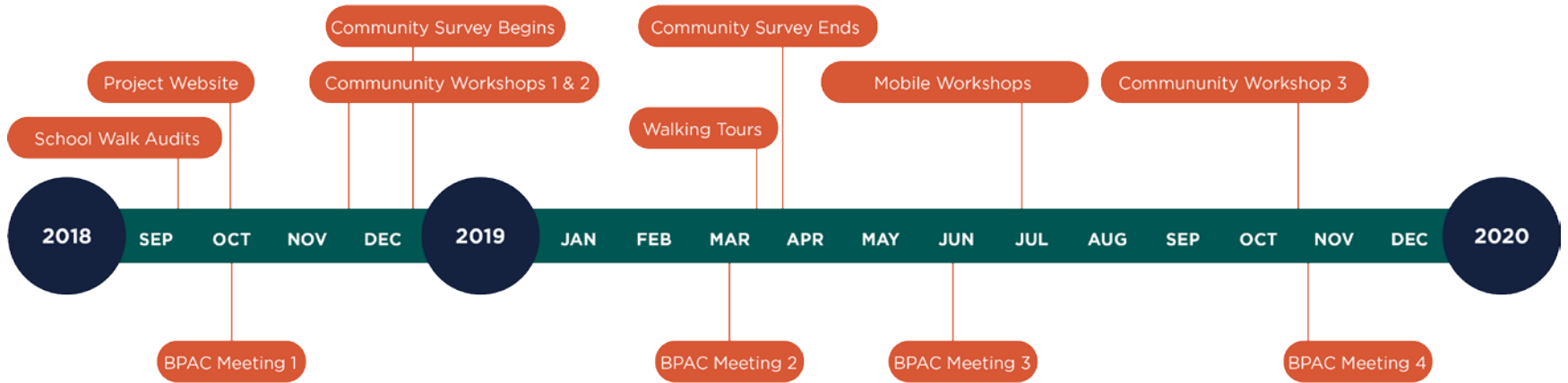
1. Welcome
2. Updated Vision, Goals, Objectives
3. Needs Analysis Process
4. Priority Pedestrian Zones and Draft Recommendations
5. Pedestrian Plan Toolbox

# Project Progress



**City of  
Santa Clara**

# Project Timeline



We are here

# Vision, Goals, Objectives



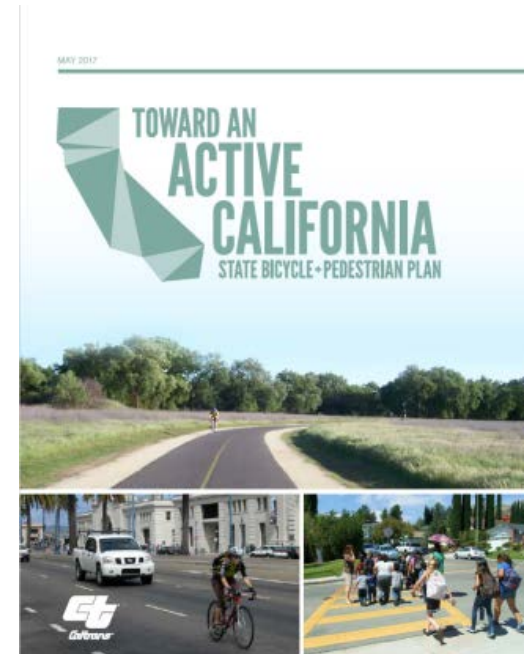
**City of  
Santa Clara**

# Vision

**Make Santa Clara** ~~Santa Clara is~~ a walkable community that provides a comprehensive network of safe, convenient, and comfortable pedestrian routes for people of all ages and abilities.

# Performance Metric

Increase pedestrian mode share from 4% today to 8% by **2027**



# Goals

- **Safe:** Design pedestrian environments that are accessible and reduce the risk of pedestrian-involved collisions.
- **Comfortable:** Identify pedestrian improvements that create an easy-to-navigate and comfortable pedestrian environment.
- **Convenient:** Coordinate future land use efforts that will provide more mobility options for people in Santa Clara to include walking for their utilitarian trips.
- **Active:** Develop lively and unique pedestrian spaces that sustain healthy communities and generate economic activity.
- **Implementable:** Identify, develop, and maintain a complete and convenient pedestrian network.



# Goals - Safe


## BPAC Comments

- Interest from BPAC members to conduct city-wide sidewalk inventory

## Addition

- Policy 1.B.1: Inventory sidewalks, curb ramps, and pedestrian actuation buttons within Santa Clara to determine whether ramps are missing and/or do not meet current standards.

# Goals - Comfortable



BPAC  
Comments

- Transit amenities should be clear from path of travel
- Need goal around lighting and configuration standards
- Examine street closures



Addition

- Policy 2.A.7: In areas with sidewalks that have street furniture, **transit amenities**, utility cabinets, trees and bushes, and other items, clearly establish a “Pedestrian Zone” that is reserved for through movement and destination access and free of obstructions.
- Objective 2.C: Provide pedestrian-scale lighting to promote attractive, distinctive, and safe pedestrian environments

# Goals - Convenient



BPAC Comments

- What are standards for pedestrian-friendly sidewalks, crosswalk, and “pedestrian zone” of a walkway?
- Define metric for distance between crosswalks
- Add policy around connectivity around barriers



Addition

- **Policy 3.A.2:** Provide for design guidelines citywide and within Specific or Precise Plans to address block size and configuration, building types, land-use mix, public open space and trails, and street types.
- **Policy 2.A.8:** Prioritize improvements that improve connectivity and remove physical barriers to walking at road crossings, freeway on/off ramps, railroad tracks, underpasses and across jurisdictional boundaries.

# Goals - Implementable

## BPAC Comments

- Pedestrian Master Plan should be evaluated every 2 years and updated every 10 years
- Rearrange order of Policy 2.a.6 and 2.a.7 to provide clarity to furnishing zone definition

## Addition

- Policy 5.B.1: Regularly monitor implementation of the Plan, and initiate the review and update of the recommended pedestrian facilities and Plan, every 10 years or as funding allows.

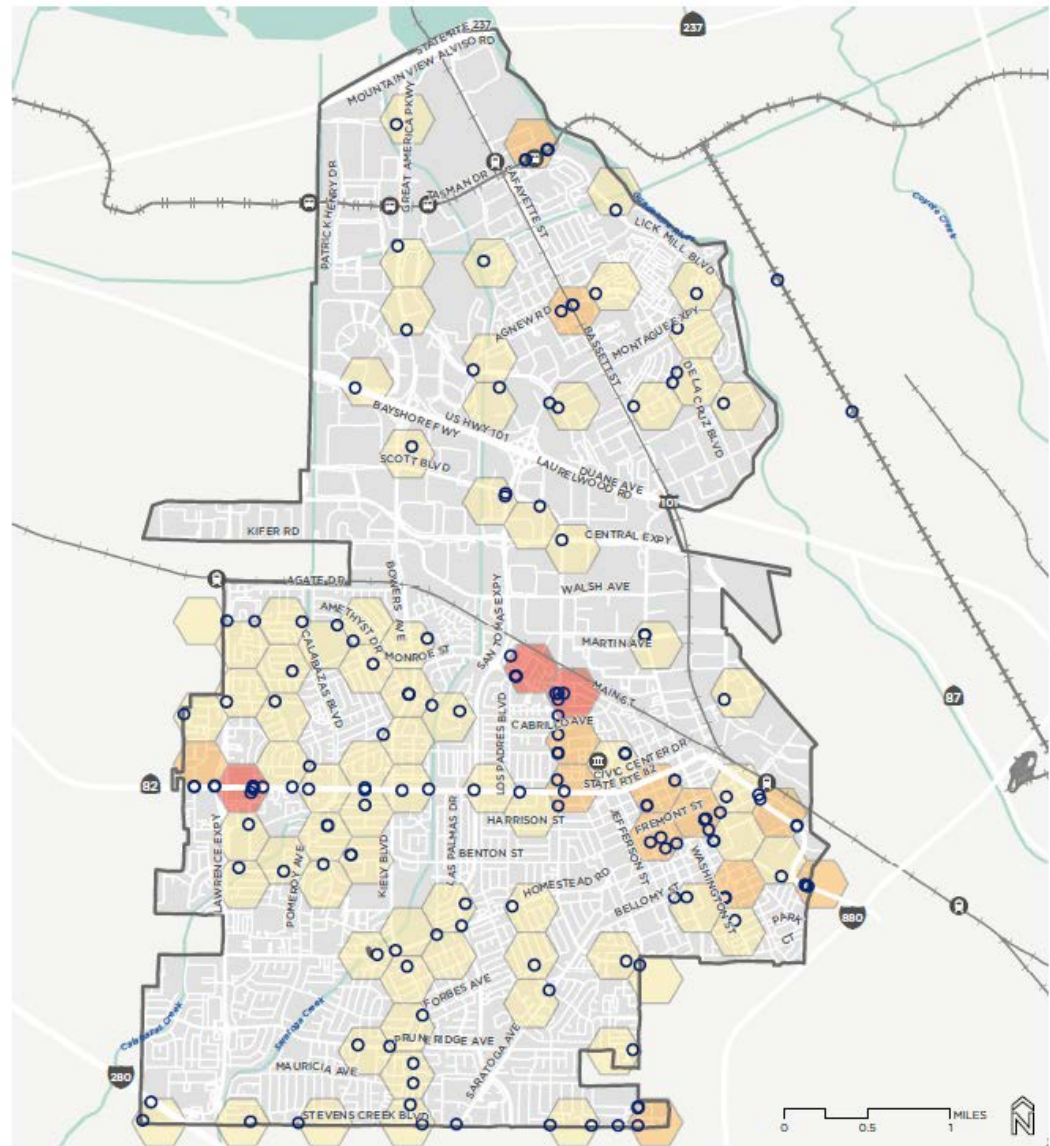
# Needs Analysis



**City of  
Santa Clara**

# Needs Analysis

## Safety



Map 3  
**SAFETY**

SANTA CLARA PEDESTRIAN  
PLAN 2018



Source: City of Santa Clara, Caltrans, US Census, ESRI, VTA, MTC, UC Berkeley TRMS 2015 - 2017  
Map produced April 2019.

**COLLISION AREAS**

- 1 - 2 Collisions
- 3 - 4
- 5 - 7 Collisions

**COLLISION POINTS**

- Pedestrian Collision

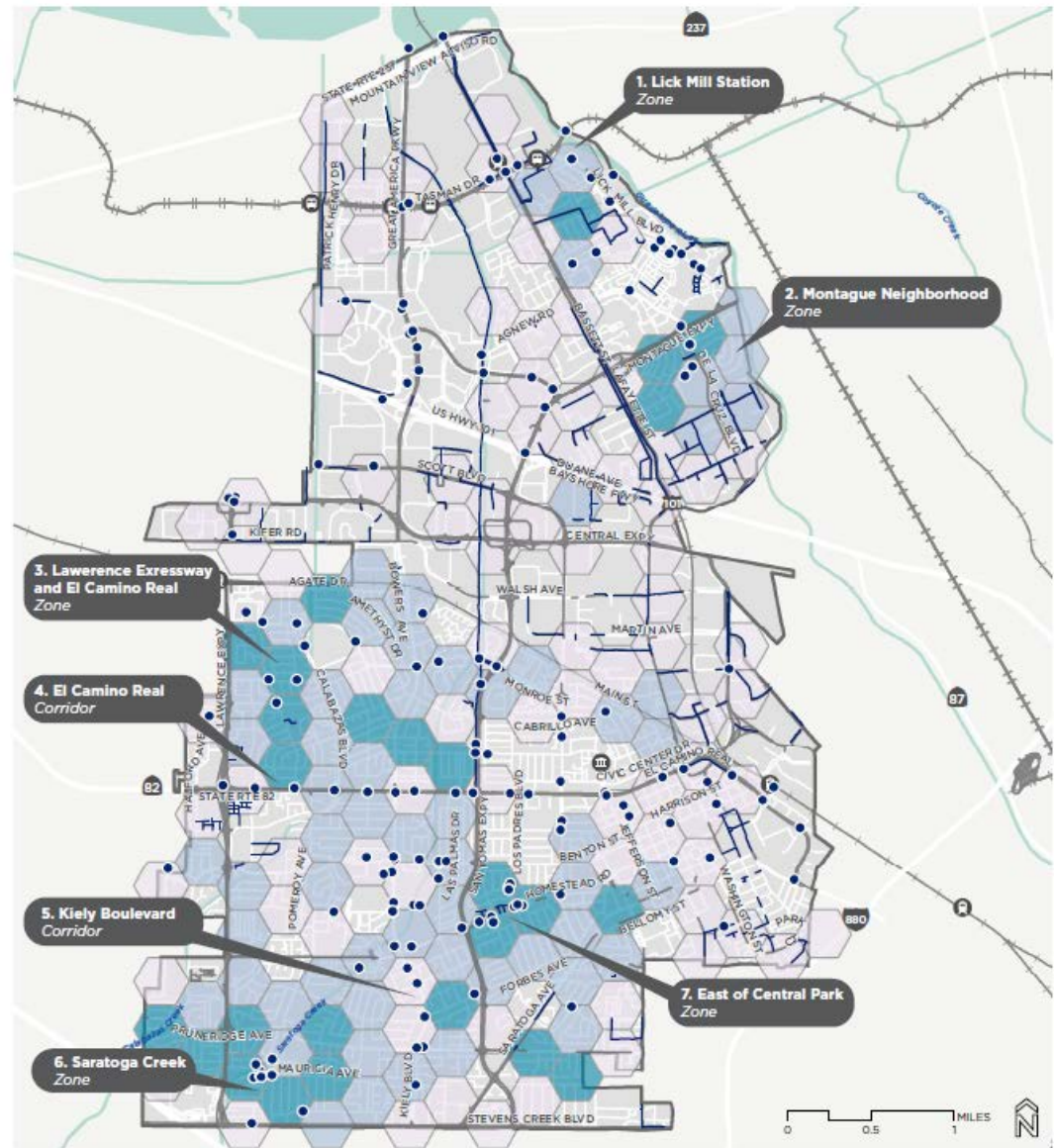
**DESTINATIONS**

- City Hall
- Train Station
- Light Rail Station



# Needs Analysis

## Pedestrian Comfort

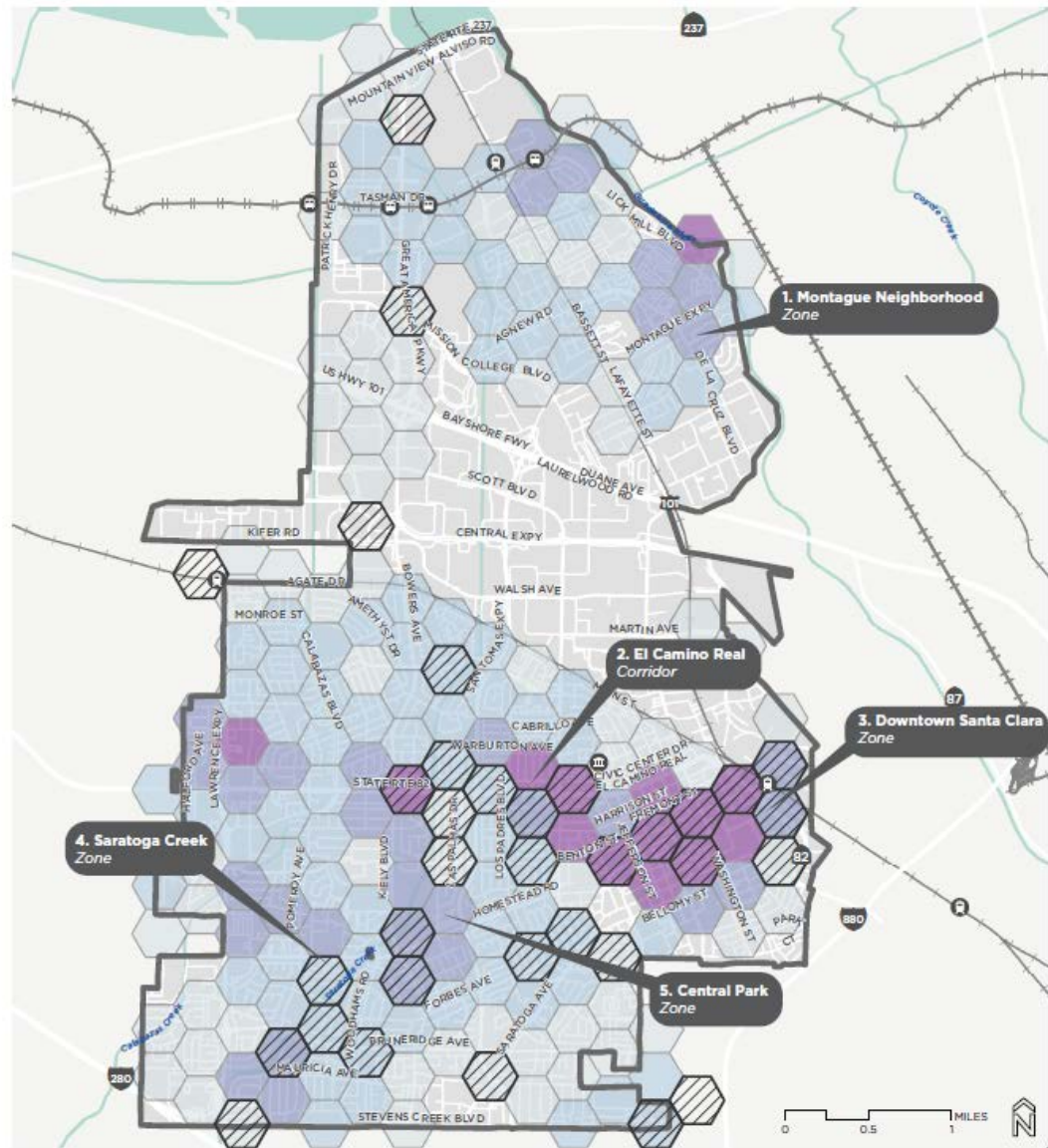


Map 2  
**PEDESTRIAN COMFORT**  
SANTA CLARA PEDESTRIAN PLAN 2018

- |                           |                             |                     |
|---------------------------|-----------------------------|---------------------|
| <b>MISSING CURB RAMPS</b> | <b>HIGH STRESS ROADWAYS</b> | <b>DESTINATIONS</b> |
| 1 - 6 Missing             | High Stress Roadways        | City Hall           |
| 7 - 15                    | Missing Sidewalk            | Train Station       |
| 16 - 30 Missing           | <b>PUBLIC INPUT</b>         | Light Rail Station  |
|                           | Barrier                     |                     |

# Needs Analysis

## Destination Accessibility



Map 3  
**DESTINATION ACCESSIBILITY**

SANTA CLARA PEDESTRIAN PLAN 2018



Source: City of Santa Clara, California, US Census, ESRI, VTA, MTC. Map produced June 2018.

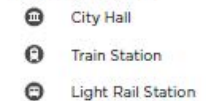
1/4 MILE ACCESSIBILITY TO MAJOR DESTINATIONS



PUBLIC INPUT



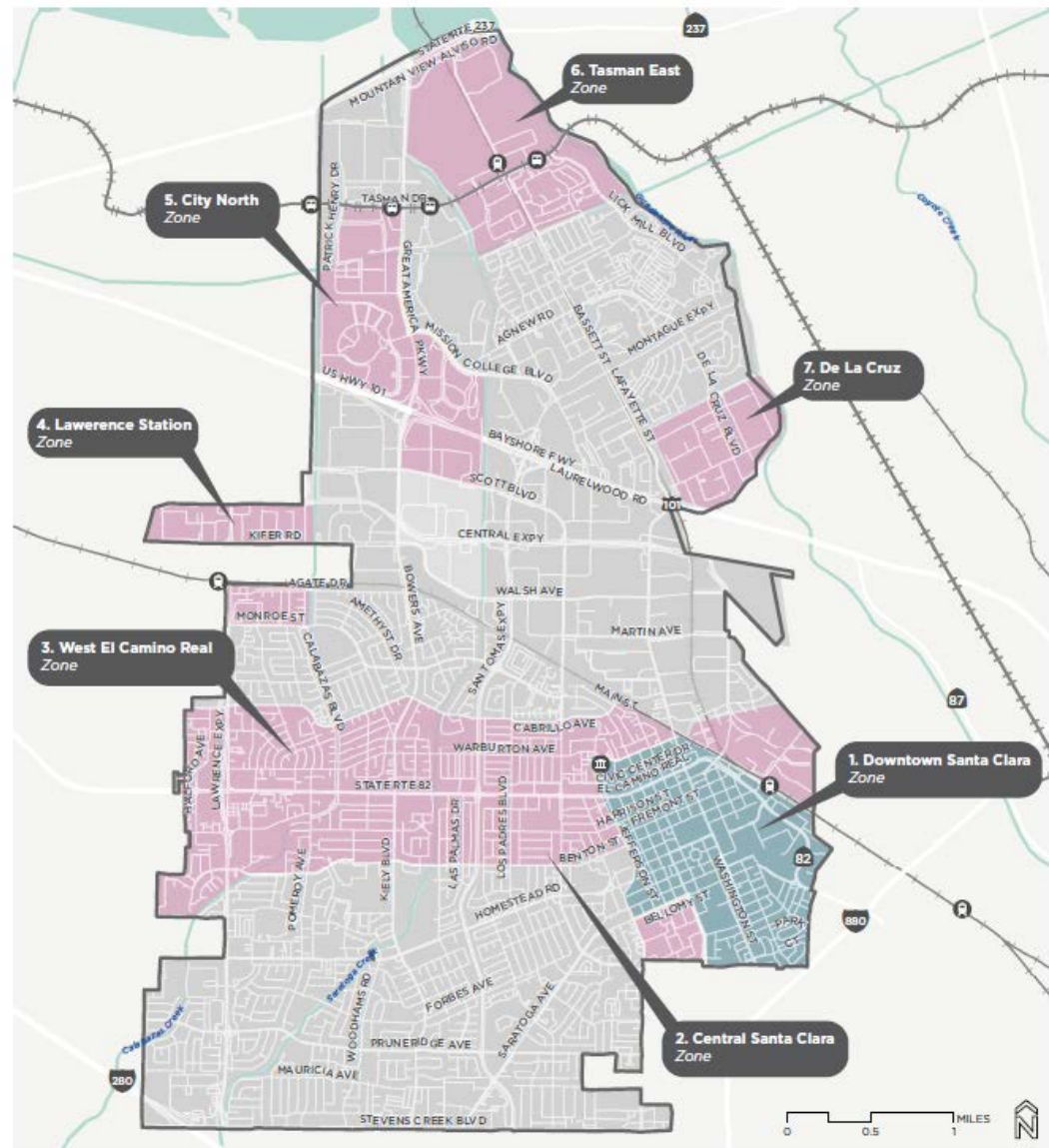
DESTINATIONS





# Needs Analysis

## Walkable Land Use



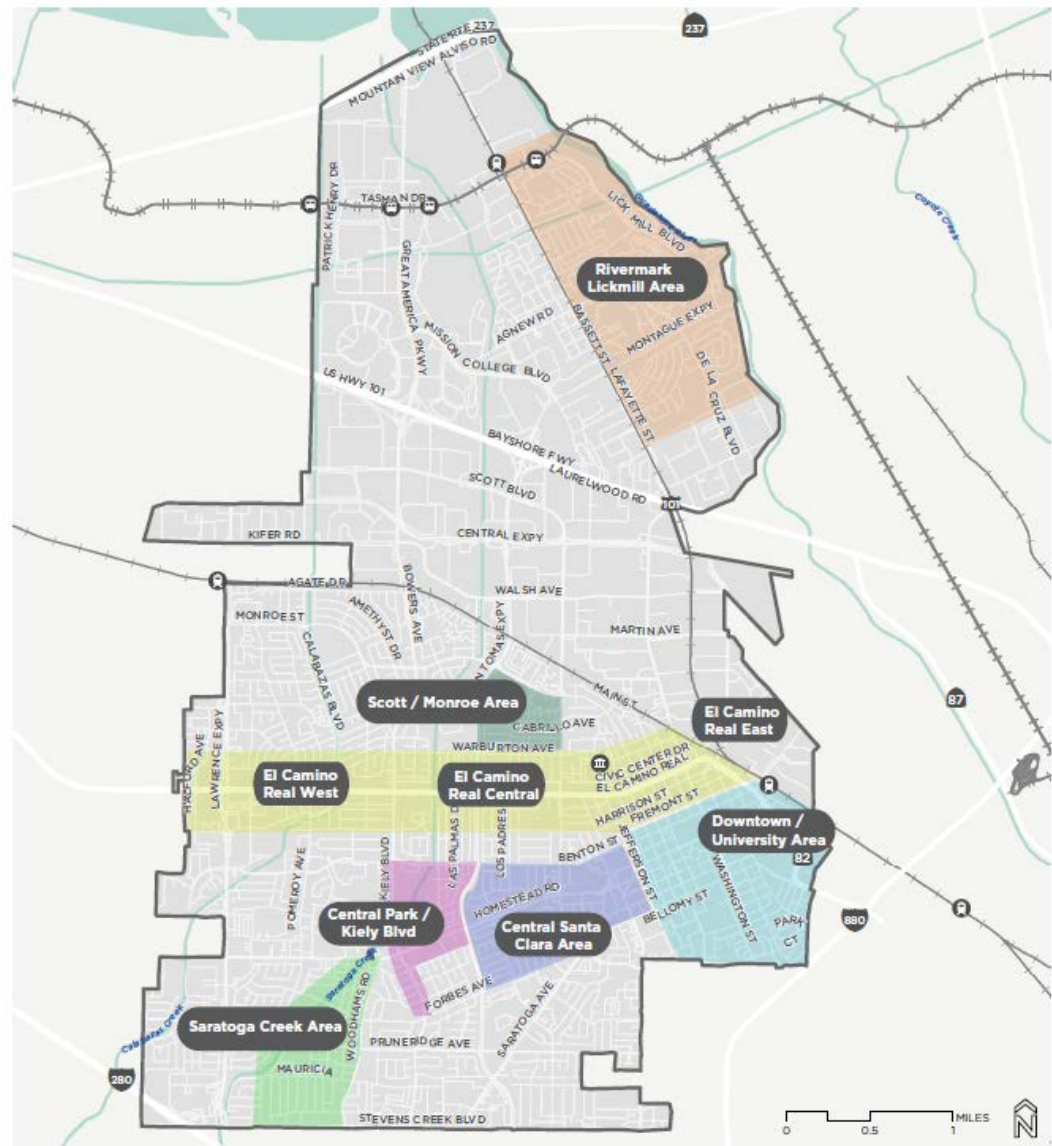
Map 4  
**WALKABLE LAND USE**  
SANTA CLARA PEDESTRIAN PLAN 2018

Auto Oriented / Walkable Suburban  
Transitional  
Walkable Urban

**DESTINATIONS**  
City Hall  
Train Station  
Light Rail Station

# Needs Analysis

9 Zones



Map 5  
**PRIORITY  
PEDESTRIAN ZONES**

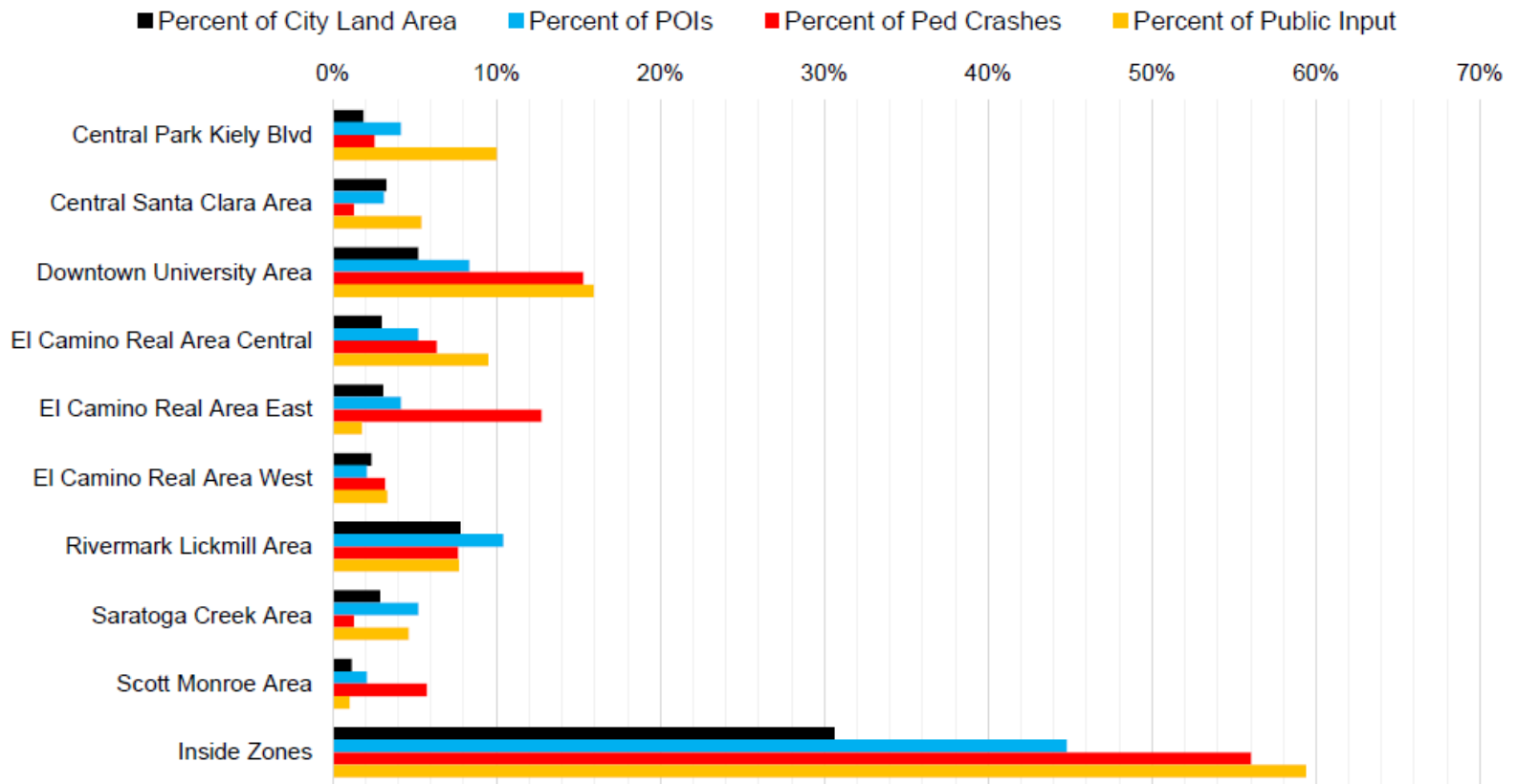
SANTA CLARA PEDESTRIAN  
PLAN 2018

**DESTINATIONS**

- City Hall
- Train Station
- Light Rail Station

# Ped Priority Zones

**Percentage of POIs, Pedestrian Crashes, and Public Input within Priority Zones**



# Recommendation Strategy



**City of  
Santa Clara**

# Recommendation Strategy

1. Citywide Recommendations
  - Policy and goals
2. Ped Priority Zone Recommendations
  - Curb ramps
  - Missing sidewalks
  - Developer guidelines
3. Intersection-level Recommendations
  - Safety, Public Input Map, School Audit, Walk Audit, Community Meetings, Pop-up Events





# CENTRAL PARK KIELY BLVD

## RECOMMENDATIONS

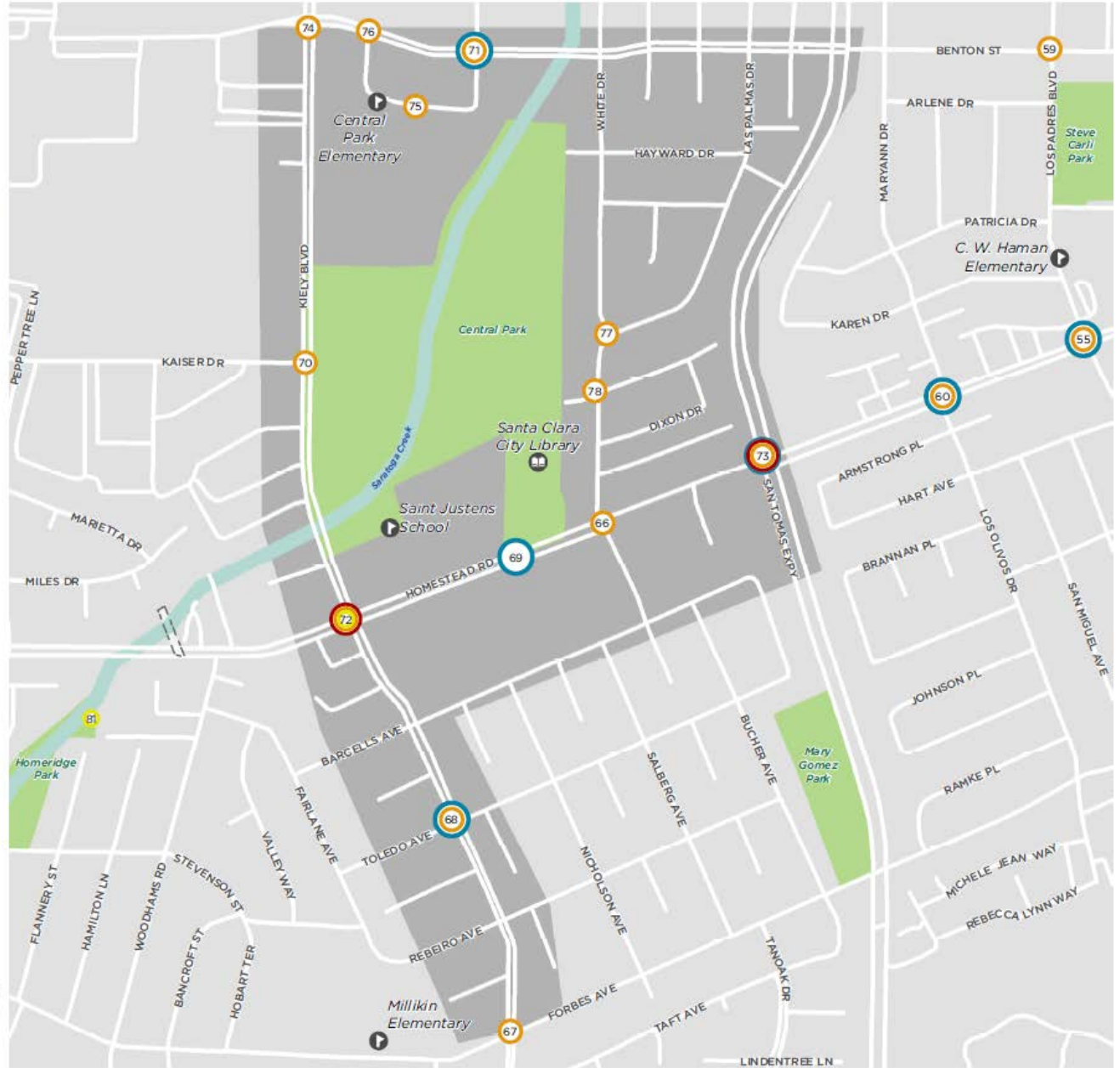
SANTA CLARA PEDESTRIAN  
PLAN 2018

### Pedestrian Improvement Type

- # Project ID Number
- Walking Environment Enhancement
- Crossing Improvement
- Transit Stop Improvement
- Signal Improvement
- Priority Pedestrian Zone
-  Library
-  School
- Park
- City Boundary



Source: City of Santa Clara, Caltrans, US Census, ESRI. Map produced May 2019.



# Recommendations Toolbox



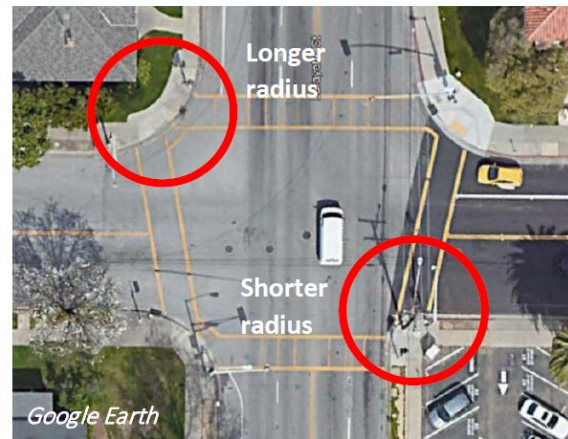
**City of  
Santa Clara**

# Crossing Improvements

**Curb Extension**



**Curb Radius Reduction**



**High Visibility Crosswalk Marking**



**Improved Right-Turn Slip Lane Design**



**Advance Yield/ Stop Lines**



**Curb Ramp**





# Crossing Improvements

Crossing Island



Crosswalk Lighting and Illumination



# Signal Improvements

**Pedestrian Signal/Countdown Signal**



**Pedestrian Hybrid Beacon (PHB) Warrant Study**



**Rectangular Rapid-Flashing Beacon (RRFB) Study**



**Leading Pedestrian Interval**



**Stop Sign/Signal Warrant Study**



**Pedestrian Crosswalk Motion Sensors**





# Transit/ Walking Environment

## Transit Stop Improvement

### Transit Waiting Area Improvements

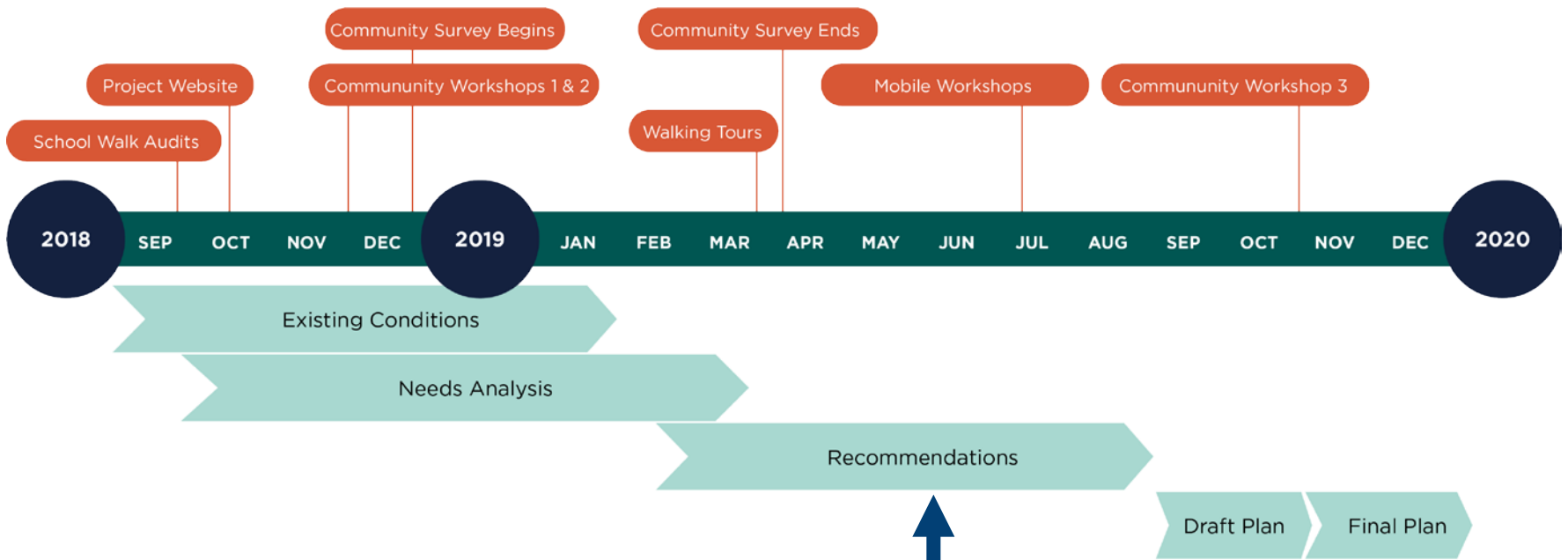


## Walking Environment Enhancement

### Public Space Activation



# Next Steps



BPAC and Public Comment  
Period through July 24

# Questions?