

Recent and Ongoing Traffic Safety Improvements

By: Scott Wikstrom, City Engineer
Donya Amiri, Principal Engineer

Why Are We Here?

- 16 Bike and Ped Collisions involving Minors
- Vision Zero Policy adopted by City Council
- Active Transportation Plan Kickoff and Open House

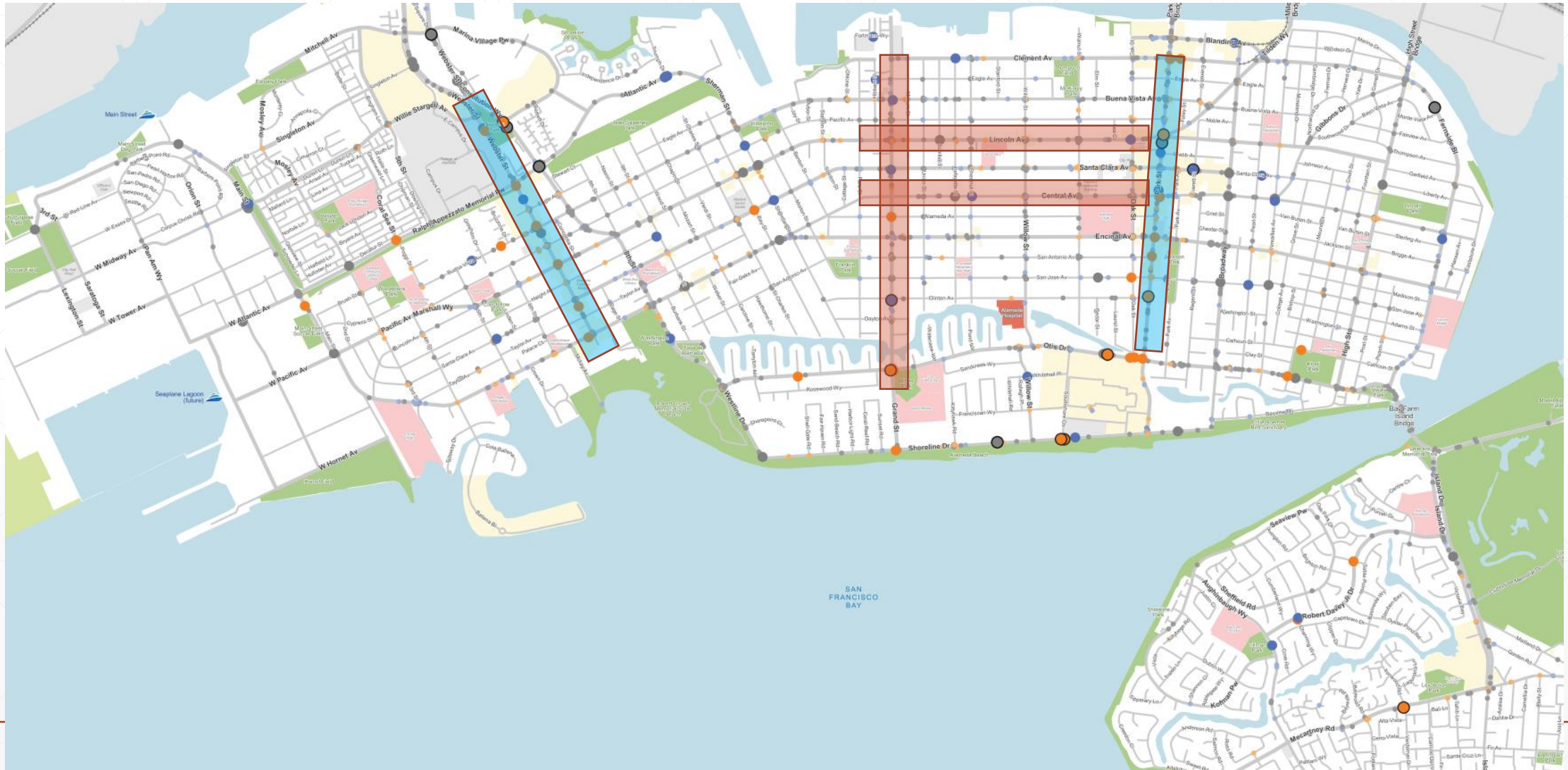


Vision Zero Context

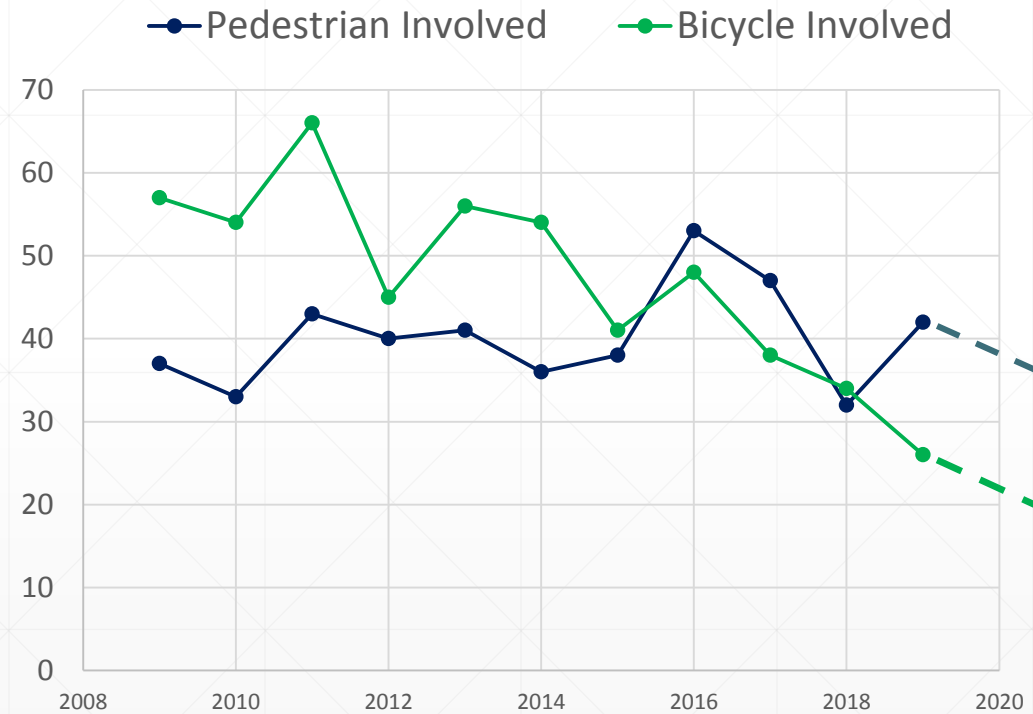
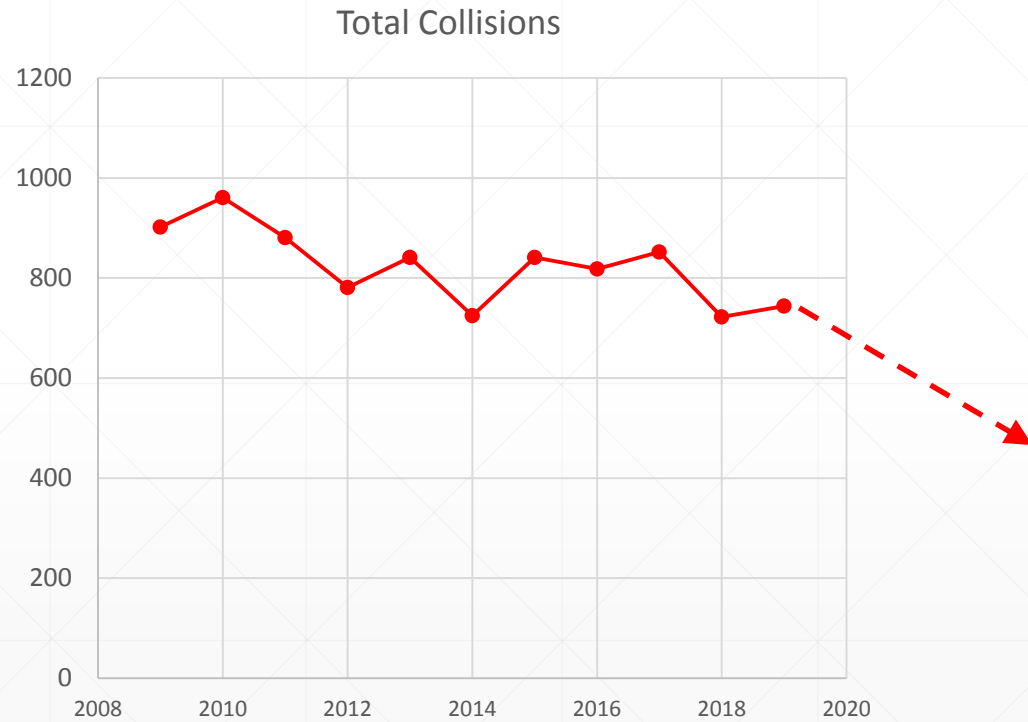
- Guiding Principal for Planning, Design, and Maintenance
- Safety for All Modes and All Users
- Goal of Eliminating Fatalities and Serious Injuries through
 - Education
 - Enforcement
 - Engineering
- **Data Driven Approach**



Collision Map 2009 – 2018



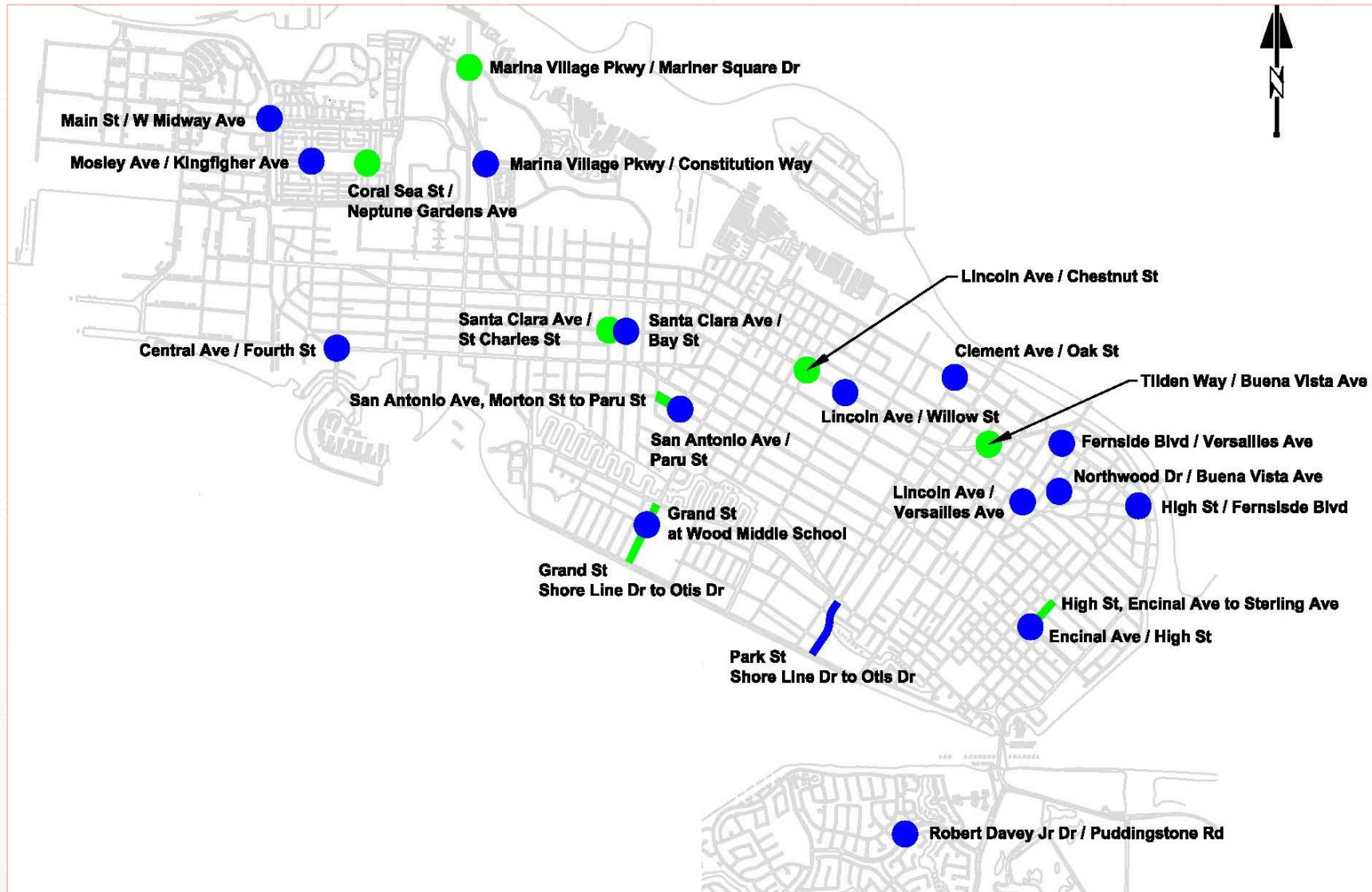
Collision Data by Year 2009-2019



Traffic Safety

1. Immediate Response
 2. Next Steps – Near Term Plans
-

Collision & Improvement Locations



Immediate Response

1. Interdisciplinary Response Team



- ❖ City Manager's Office
- ❖ Engineers
- ❖ Planners
- ❖ Police
- ❖ School Staff

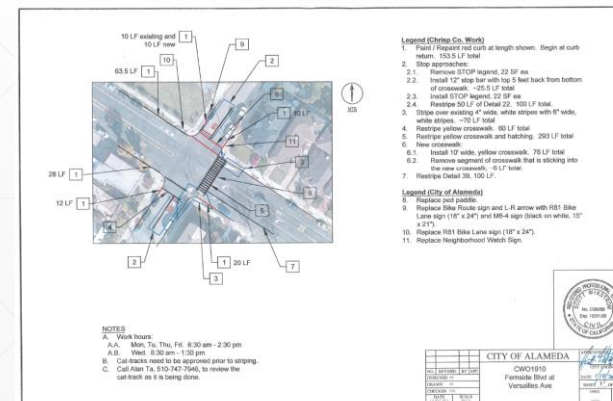
2. Site Visits & Investigation



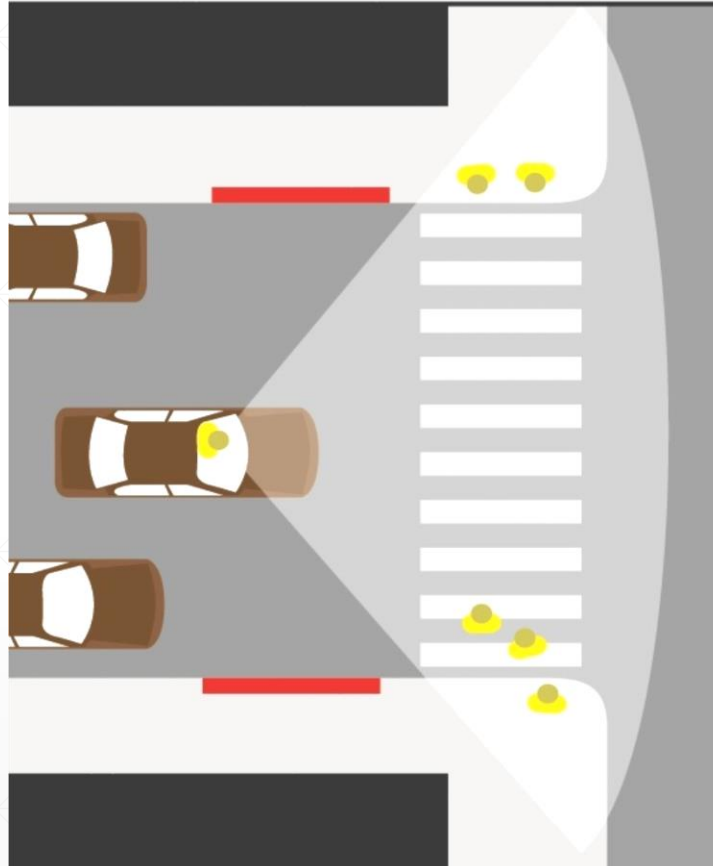
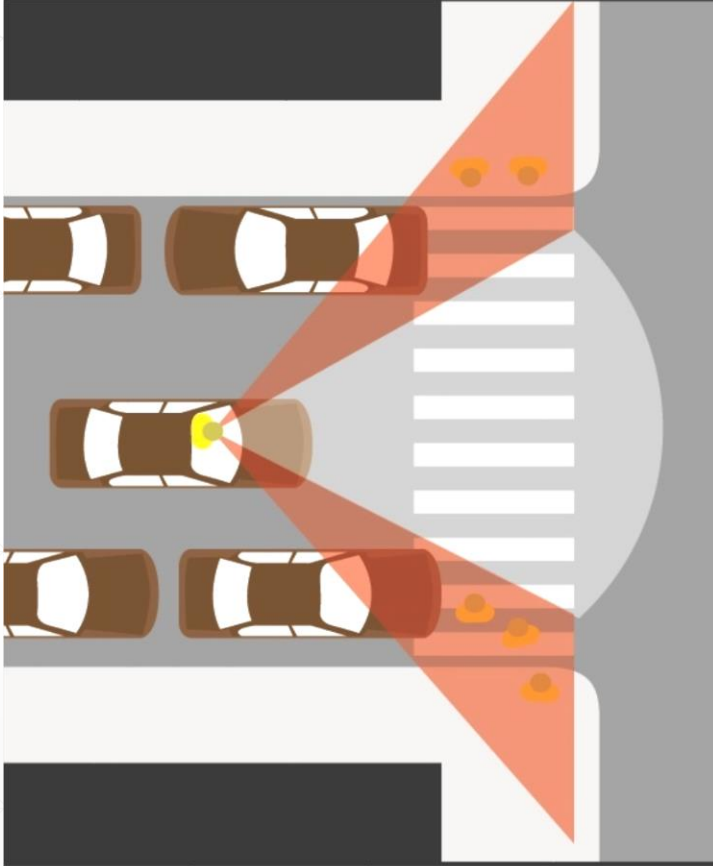
3. Police Enforcement



4. Develop (25) Work Plans & Schedule Work



Daylighting



Red painted curbs at Intersections to improve visibility

Notification Letter



City of Alameda, California

January 16, 2020

Dear Alameda Resident, Business or Property Owner:

The City is deeply concerned about recent pedestrian-involved collisions, especially those involving children walking or biking to/from school. In response, the City has developed a multidisciplinary task force that includes staff from the Police, Public Works, and Planning departments. The task force is in the process of visiting each location that a child-involved collision has taken place since August 2019 to better understand how the collision occurred and review any potential short- and longer-term safety improvements that can be made.

Based on that review and other data, City staff will move forward with the following short-term improvements at key intersections:

1. Repaint and Emphasize Crosswalks – Refresh/install ladder hatching in marked crosswalks to provide better visibility of the crosswalk.
2. Install Stop Bars – Install advance stop bars ahead of crosswalks to create a buffer between pedestrians and motor vehicles.
3. Sign Replacement – Replace faded signs at intersections.

Alameda's "Vision Zero" policy states that the City shall "consider safety as the highest priority when balancing competing needs and demands for space within the public right of way." In accordance with the City Council adopted policy, staff is moving forward with the improvements listed above as well as "daylighting," which involves painting additional "red curb" to improve visibility and pedestrian safety, at the following intersections:

1. Fernside Boulevard at Versailles Avenue
2. Lincoln Avenue at Chestnut Street
3. Northwood Drive at Cambridge Drive / Buena Vista Avenue
4. Santa Clara Avenue at St. Charles Street

This notice is provided as a courtesy and the decision to install these safety improvements cannot be appealed.

If you have any questions, please feel free to contact Alan Ta, Assistant Engineer, at (510) 747-7946 or ata@alamedaca.gov.

Sincerely,


Alan Ta
Assistant Engineer

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Alameda, California 94501
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Ladder Crosswalks and Striping Refresh

Before



After



Encinal Ave and High St

Advance Stop Bar and Striping Refresh

Before



After



Lincoln Ave and Versailles Ave

Next Steps - Near Term Improvements

1. Schools
2. Intersections & Corridors
3. Traffic Signal Timing for Safety
4. Infrastructure Modernization



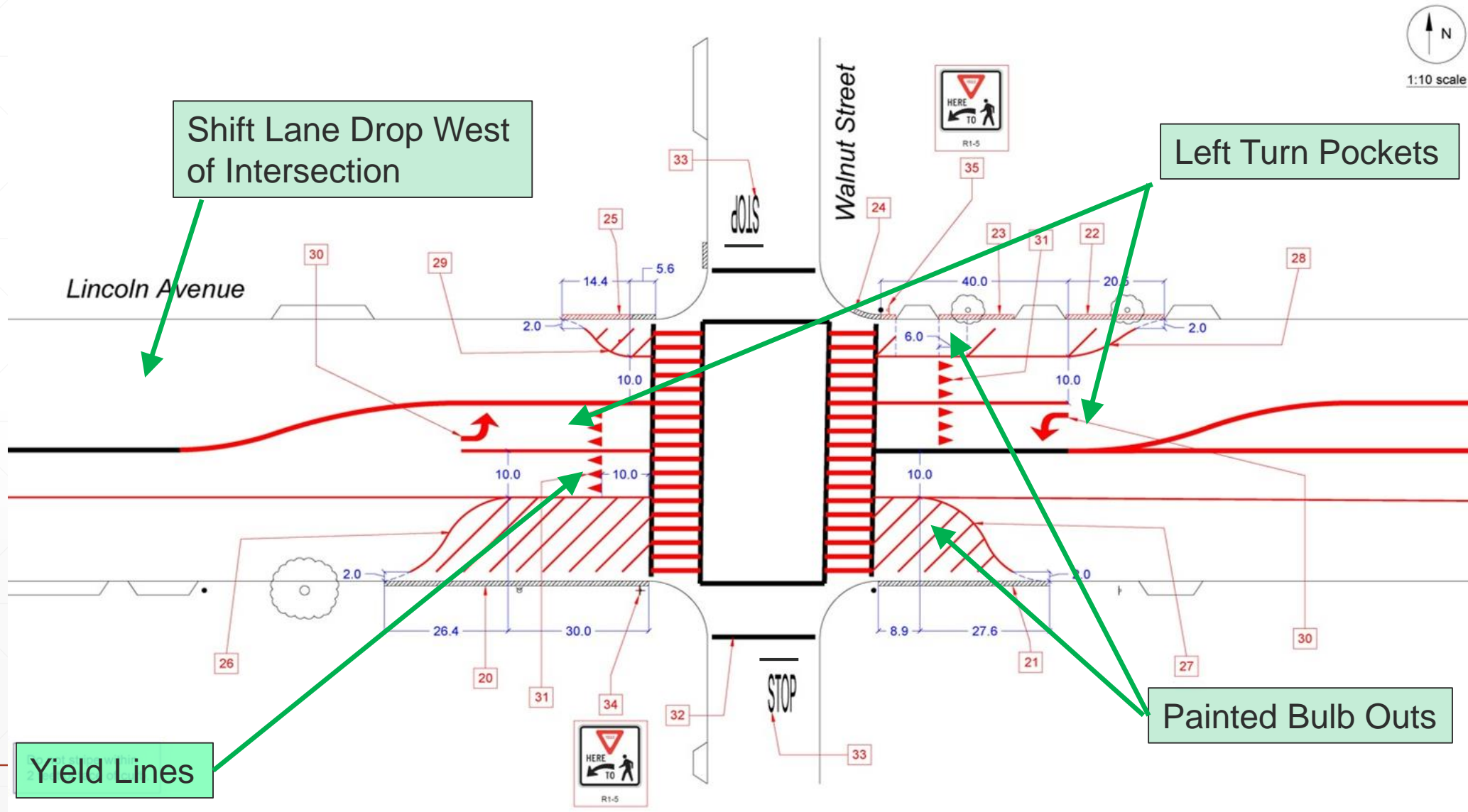
Safe Route to School Assessments



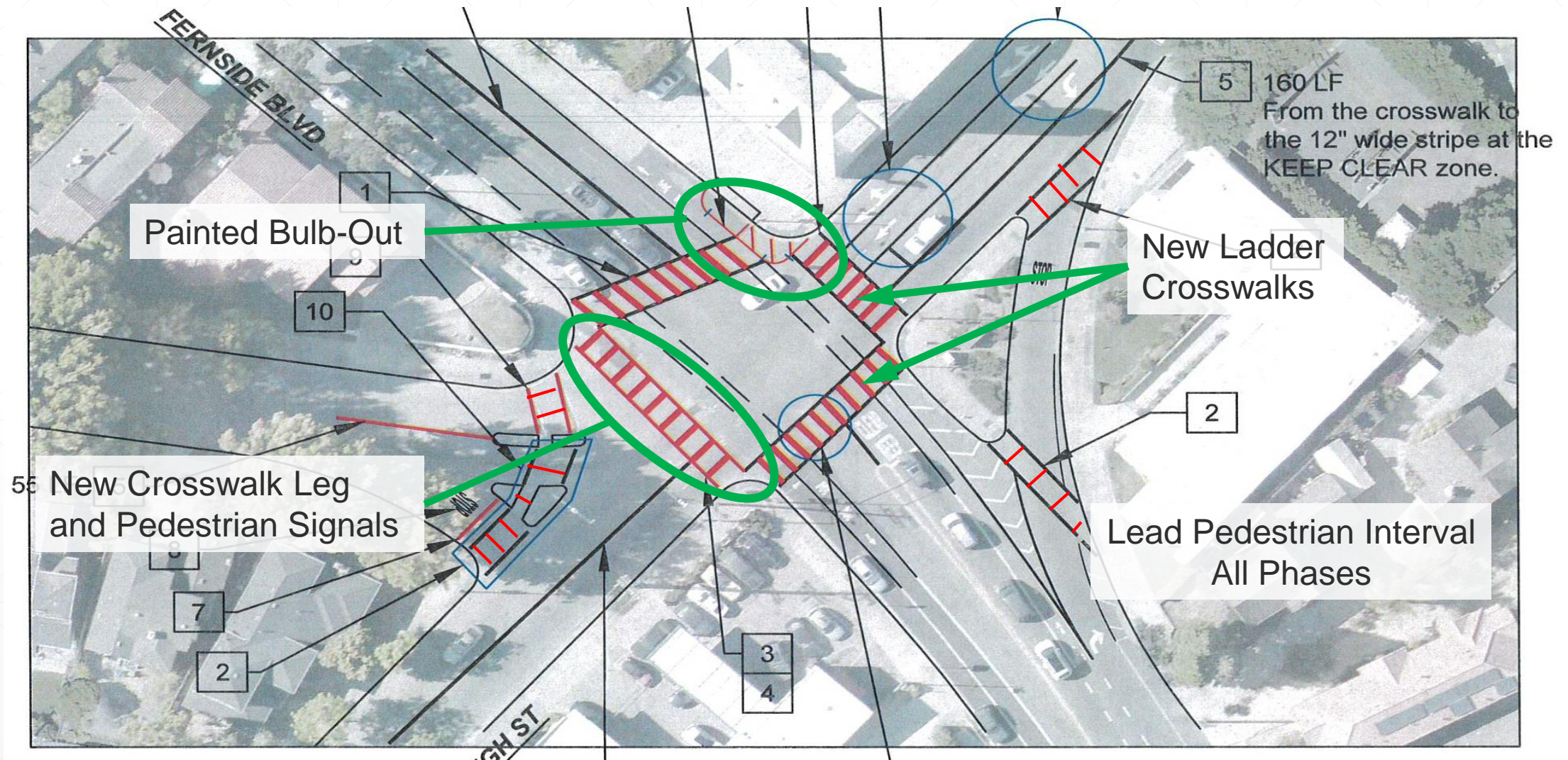
→ Near-term (Dec. 2020)

- **Evaluate** all 7 assessments in hand:
 - Academy of Alameda
 - Edison Elementary
 - Franklin Elementary
 - Love Elementary
 - Lum Elementary
 - Maya Lin Elementary
 - Nea Community Learning Center
 - Wood Middle School
- **Implement** all striping recommendations
- **Perform** engineering analysis as needed
- **Seek funding** for warranted recommendations:
 - Traffic signals
 - Stop control
 - RRFB

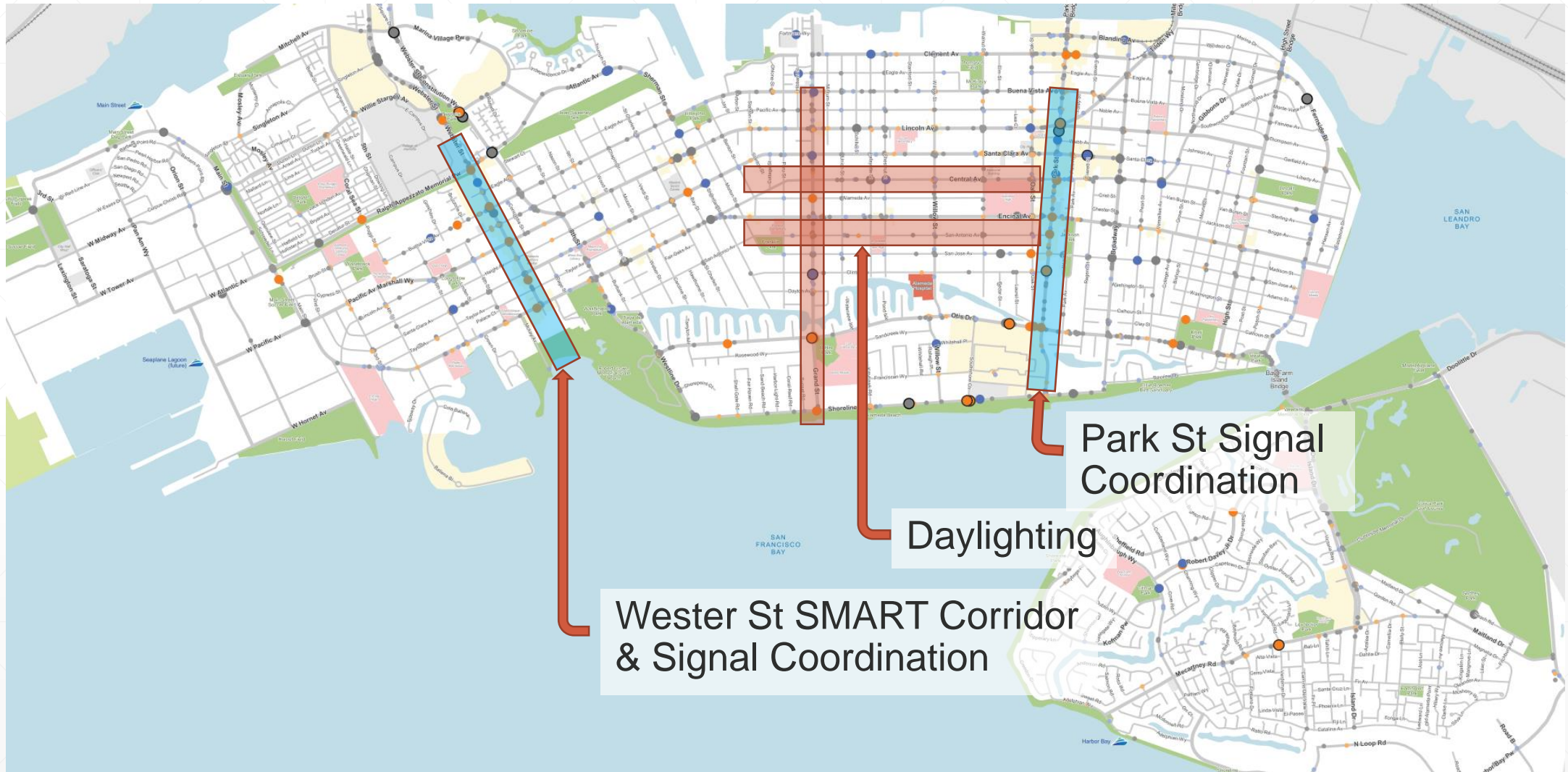
Lincoln Ave & Walnut St



Fernside Blvd & High St



Corridor Projects



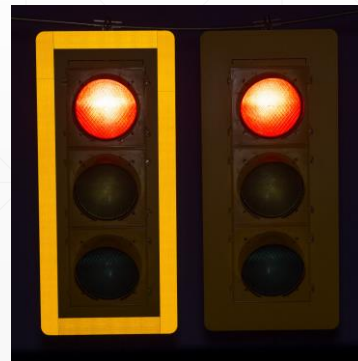
Traffic Signal Timing for Safety

Basic Signal Timing Updates

- All-red phase
- Min green time for bicyclists
- LPI for pedestrians
- Time of day signal timing plans

Basic Equipment Upgrades

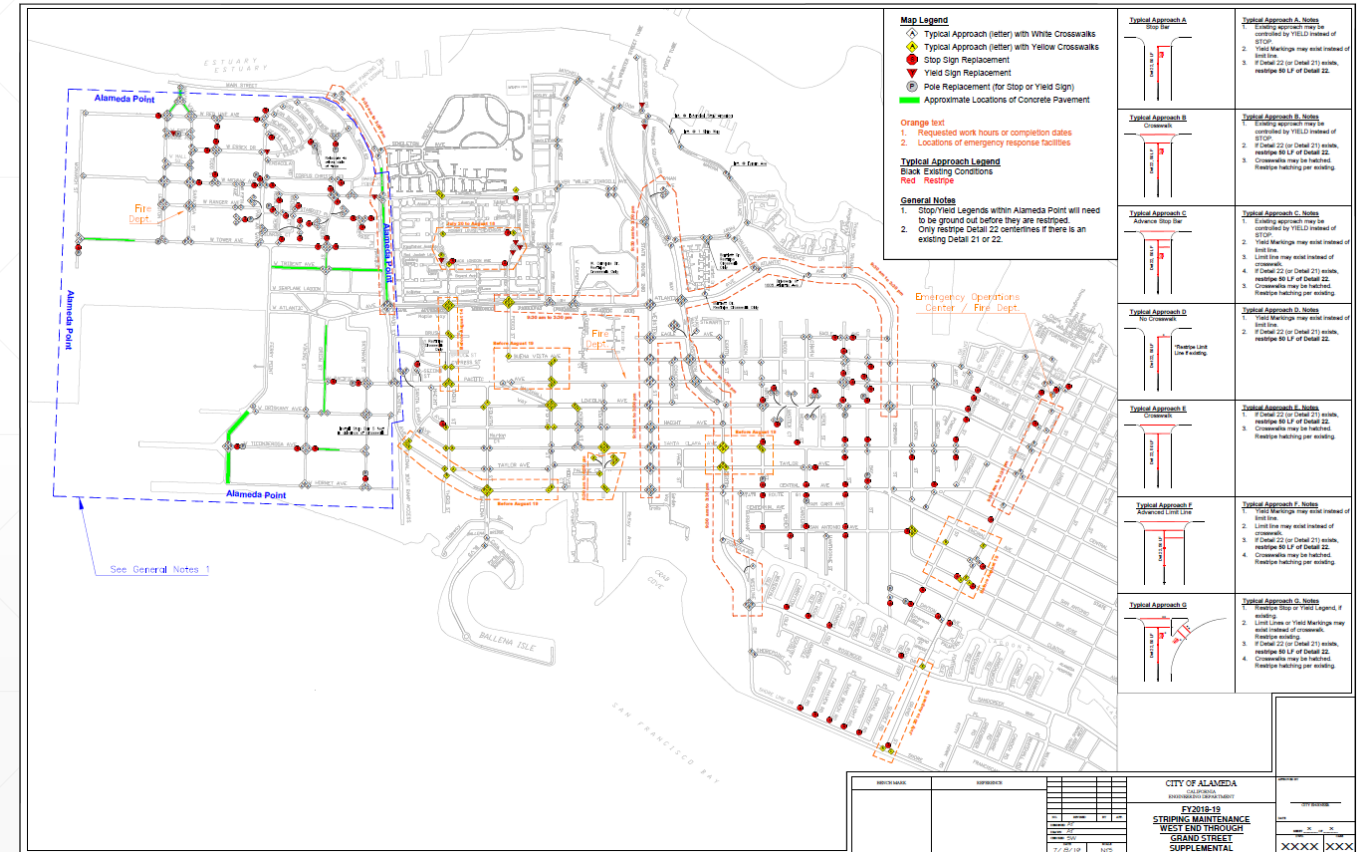
- Controller Cabinets
- Signal Controllers
- Video Detection System
- Battery Backup System
- Communication equipment
- Pedestrian signal heads
- Reflective yellow tape



Maintenance is Traffic Safety – Signs and Striping



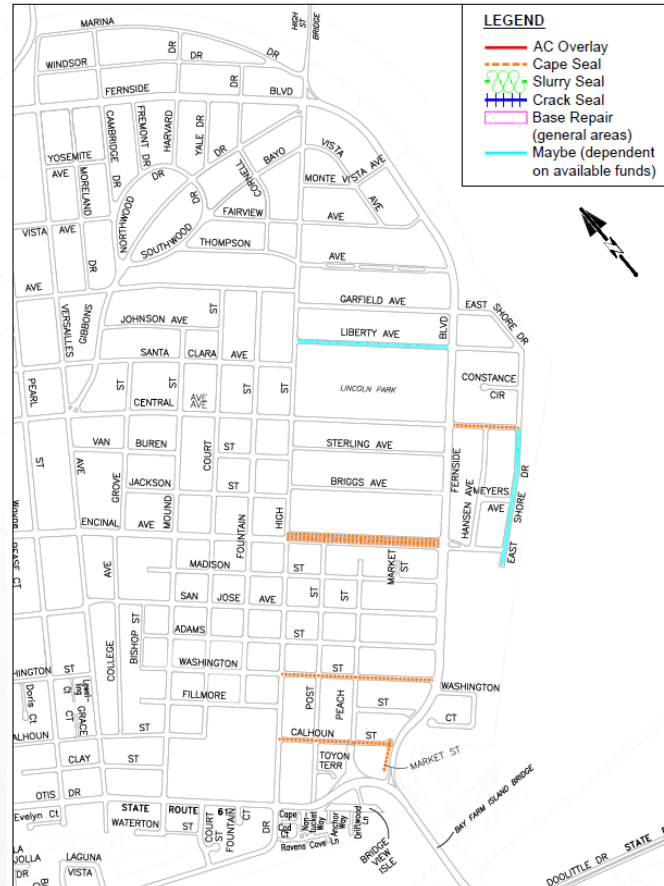
- Signs and Striping



Maintenance is Traffic Safety - Pavements

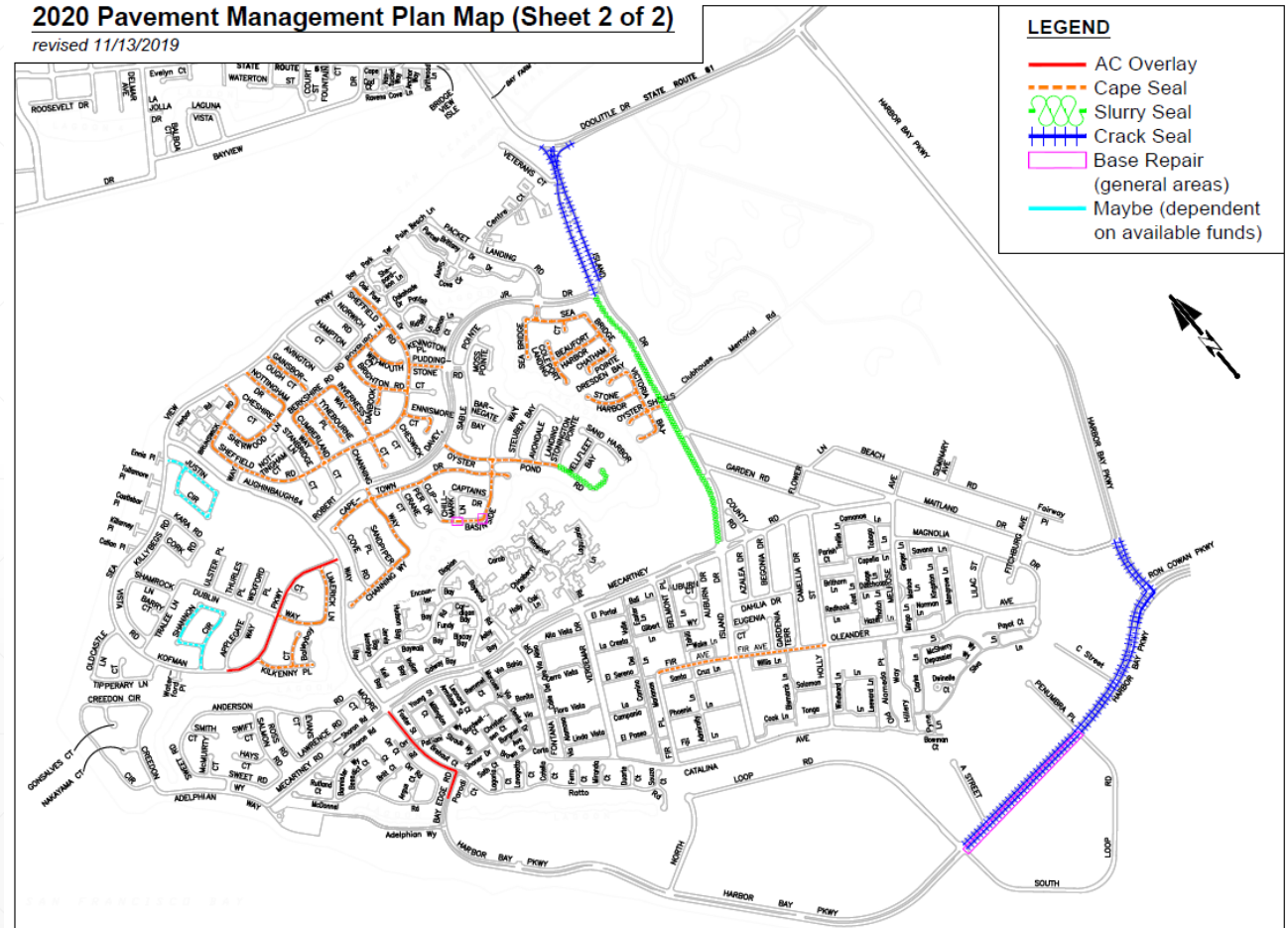
2020 Pavement Management Plan Map (Sheet 1 of 2)

revised 11/13/2019



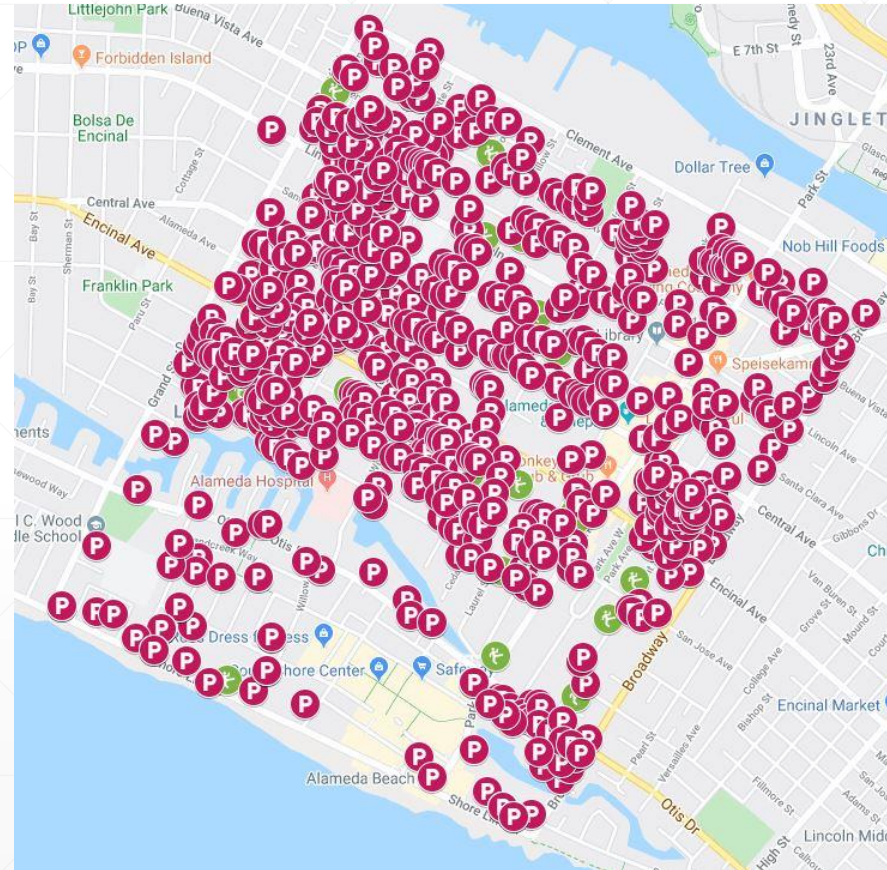
2020 Pavement Management Plan Map (Sheet 2 of 2)

revised 11/13/2019



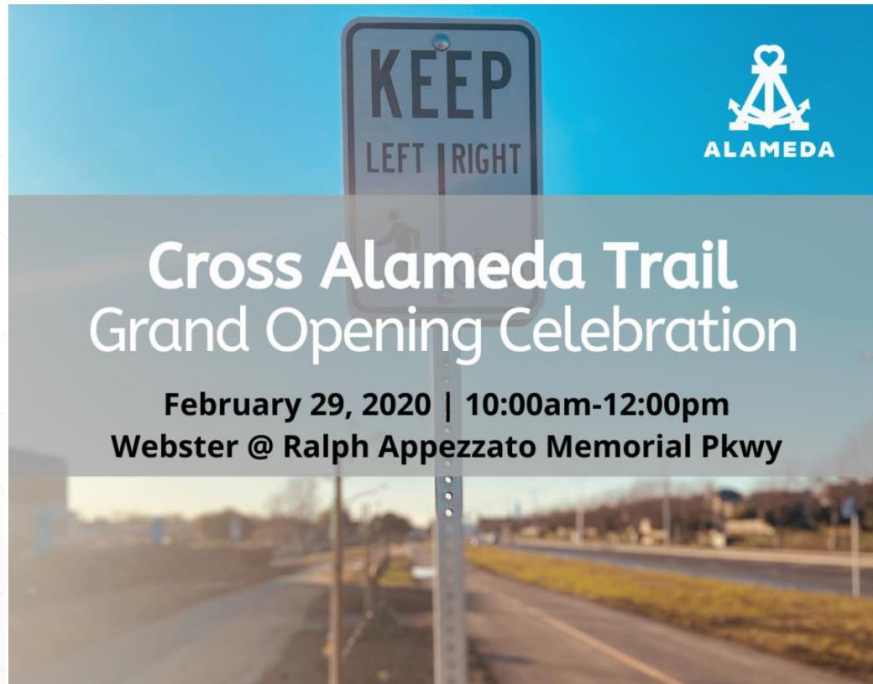
■ 2020 Paving Plan

Maintenance is Traffic Safety - Sidewalks



- 2020 Sidewalk Repairs

Capital Projects in Construction

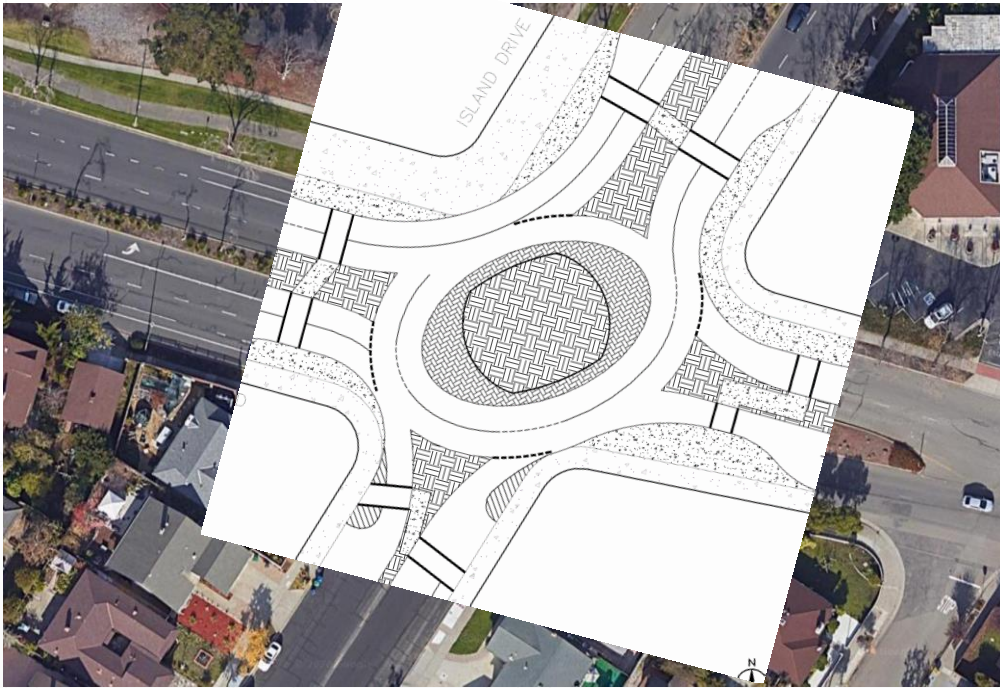


- Cross Alameda Trail

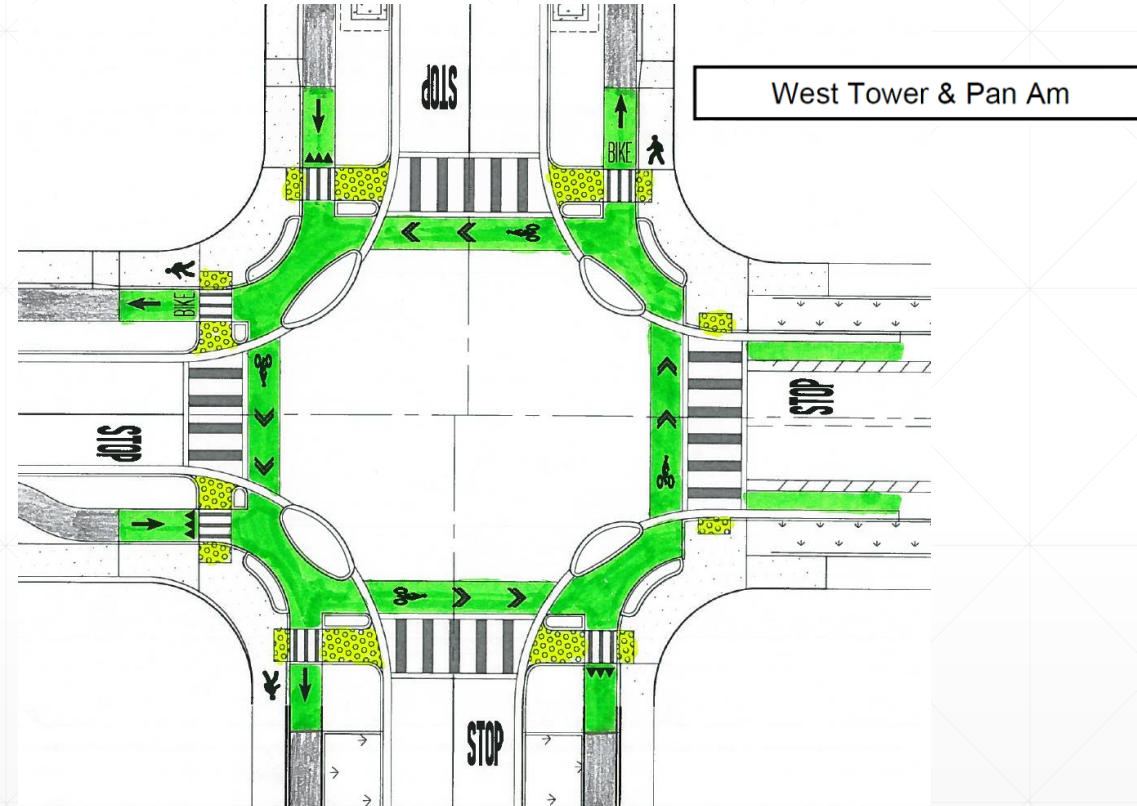


- Harbor Bay Traffic Signals

Design in Progress



- Island Mecartney Roundabout?



- 8 New Protected Intersections

Traffic Safety through Land Development



- Site A – Phase 1



- Del Monte – Clement Ave Ext.

Questions?

