



SAFE ROUTES TO SCHOOL PROJECT & CITYWIDE SCHOOL TRAFFIC SAFETY POLICIES

City Council: November 13, 2018



STAFF'S RECOMMENDATION



- 1. Approve Safe Routes to School short-term improvements for design.**
- 2. Adopt and Implement a Citywide 15 mile-per-hour (mph) School Zone Policy.**
- 3. Adopt and Implement a Citywide Local All-Way Stop Criteria.**

WHAT YOU WILL HEAR TODAY



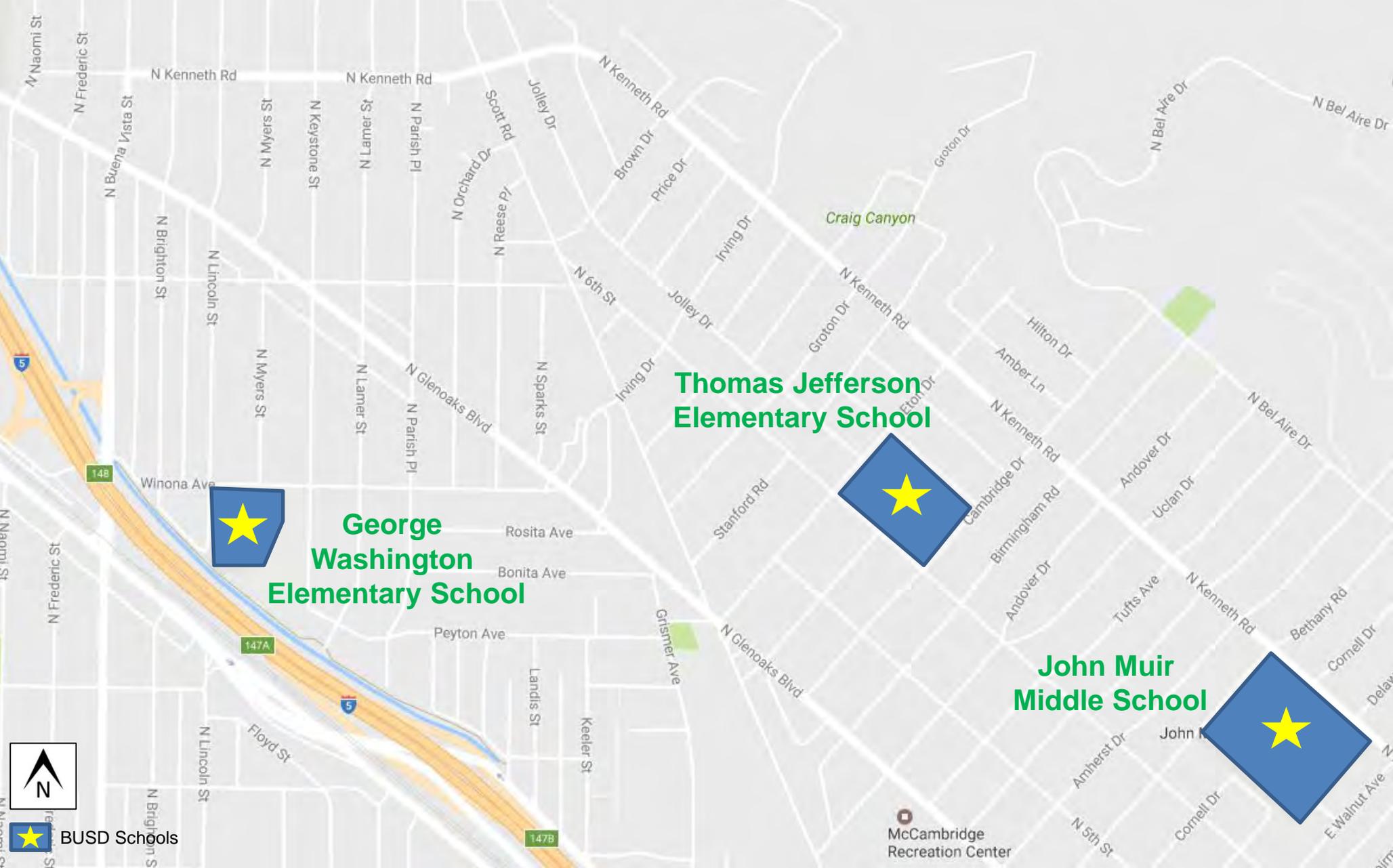
- 1. Project Overview**
- 2. Data Collection & Outreach**
- 3. Citywide 15 mph School Zone Policy**
- 4. Citywide Local All-Way Stop Criteria**
- 5. Proposed Project Improvements**
- 6. Next Steps**

GOALS & BENEFITS



- **Build a better Burbank**
 - *Policy 5.1: Maximize pedestrian & bicycle safety, accessibility, connectivity and education*
 - *Policy 9.1: Ensure safe interaction between all modes of travel*
- **Improve safety**
 - *Make it safer and easier for students to walk and bicycle to school*
 - *Reduce pedestrian & bicycle traffic injuries*
- **Encourage more students to walk and bicycle to school**
- **Increase health benefits through physical activity**
- **Improve air quality and lower greenhouse gas emissions**

PROJECT LOCATION MAP



 BUSD Schools

PROJECT SCOPE



- **Review of Existing Conditions**
- **Listen to parents, school staff, and residents**
- **Identify issues**
- **Develop short-term and long-term improvements plan**
- **Design and construct short-term improvements**

HOW IS THIS PROJECT FUNDED?



- **State Grant Funds** 
 - California Assembly Bill (AB) 1457 & 57
- **Project Budget: \$490,000**

WHAT WE STUDIED



- 1. Speed Surveys**
- 2. Traffic Counts**
- 3. Pedestrian and Bicycle Counts**
- 4. Collision Data (2014 – 2017)**
 - *Ongoing: Parent and Student Surveys*

MAP OF SPEED SURVEYS



Note: All speed survey locations had a posted speed limit of 25 MPH

WHAT WE HEARD



1. Unsafe Drivers

- *Speeding*
- *Rolling through stop signs*
- *U-turns*
- *Double parking or parking at red curb*
- *Distracted driving*

2. Unsafe Walkers

- *Parents and students jaywalking during pick-up/drop-off*

3. Unsafe Conditions

- *Children are not walking or bicycling to school*
- *Feels unsafe for children to walk and/or bicycle to school*

4. Congestion

- *Cut-through traffic*
- *Pick-up and drop-off times at schools have a lot of traffic*

WHAT WE FOUND



Top Issue	Policy	Infrastructure
• Speeding	✓	✓
• Cut-through traffic	✓	✓
• Jaywalking	✓	✓
• Children feel unsafe to walk and/or bicycle to school	✓	✓

POLICY RECOMMENDATIONS

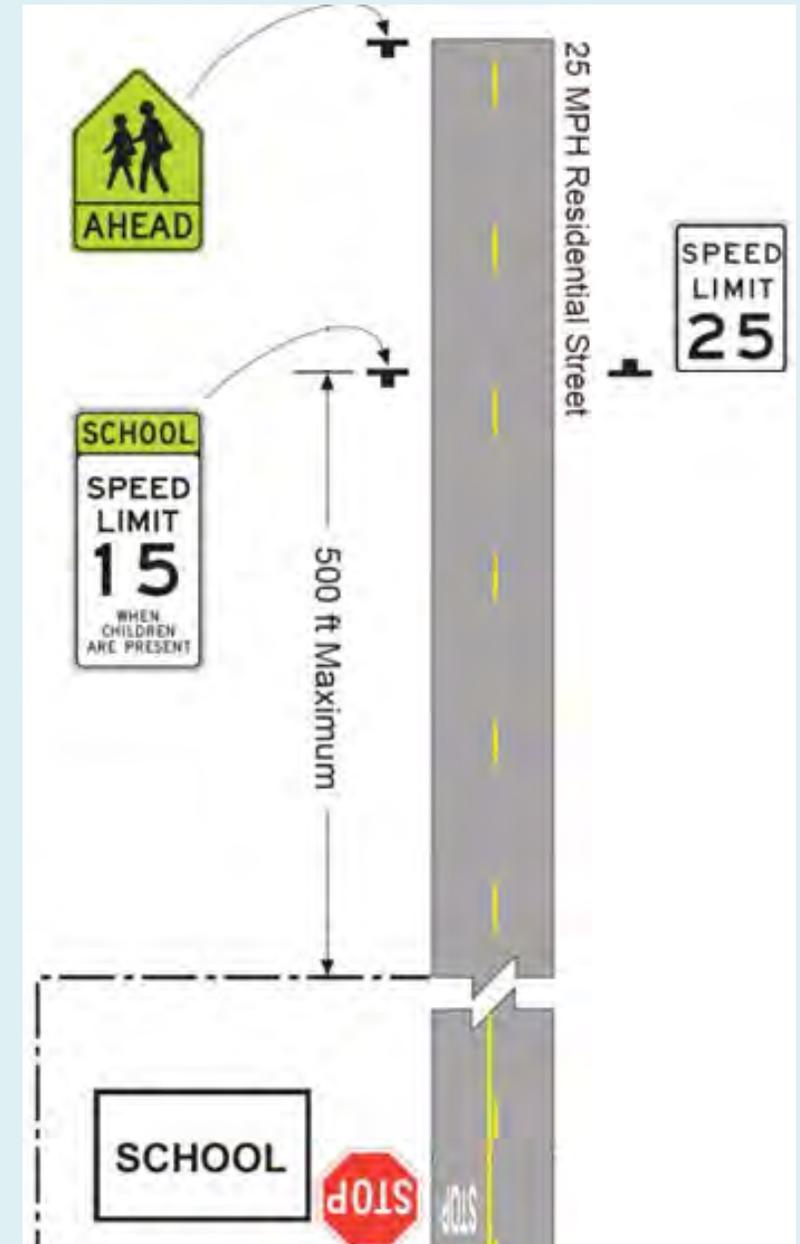


- **Adopt 15 mph School Zones**
- **Adopt a Local All-Way Stop Criteria**

POLICY: 15 MPH SCHOOL ZONE



- The State allows Council to set 15 mph speed limits around schools
- Applies when children are going to/from school or playing on school grounds
- In effect with traffic signs



Addresses:

- ✓ Speeding
- ✓ Cut-through traffic
- ✓ Children feeling unsafe

POLICY: 15 MPH SCHOOL ZONE



- Slower speeds are safer

Speed (mph)	Fatality Risk (%)*	Crash Risk (%)*	Stopping Distance (FT)**
10 – 15	2	5	100
20 – 25	5	15	150
30 – 35	45	55	250

Students Walking **Drivers**

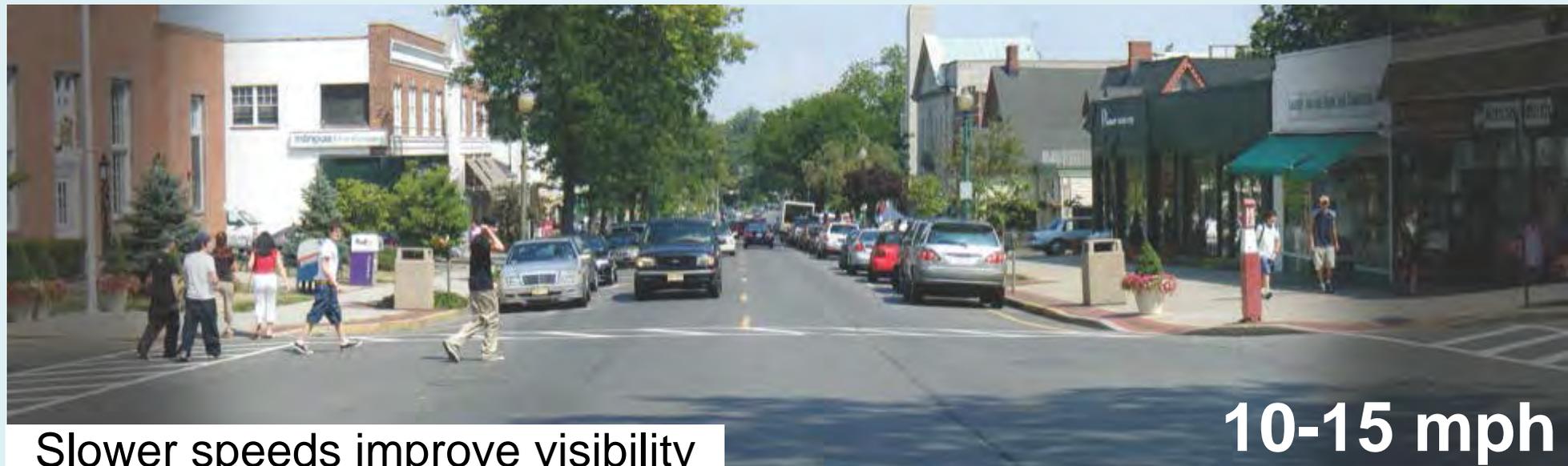
* Source: *Traditional Neighborhood Development: Street Design Guidelines (1999)*, ITE Transportation Planning Council Committee 5P-8.

**Source: *Caltrans Highway Design Manual Table 201.1*, pg. 200-1.

POLICY: 15 MPH SCHOOL ZONE



30-35 mph



Slower speeds improve visibility

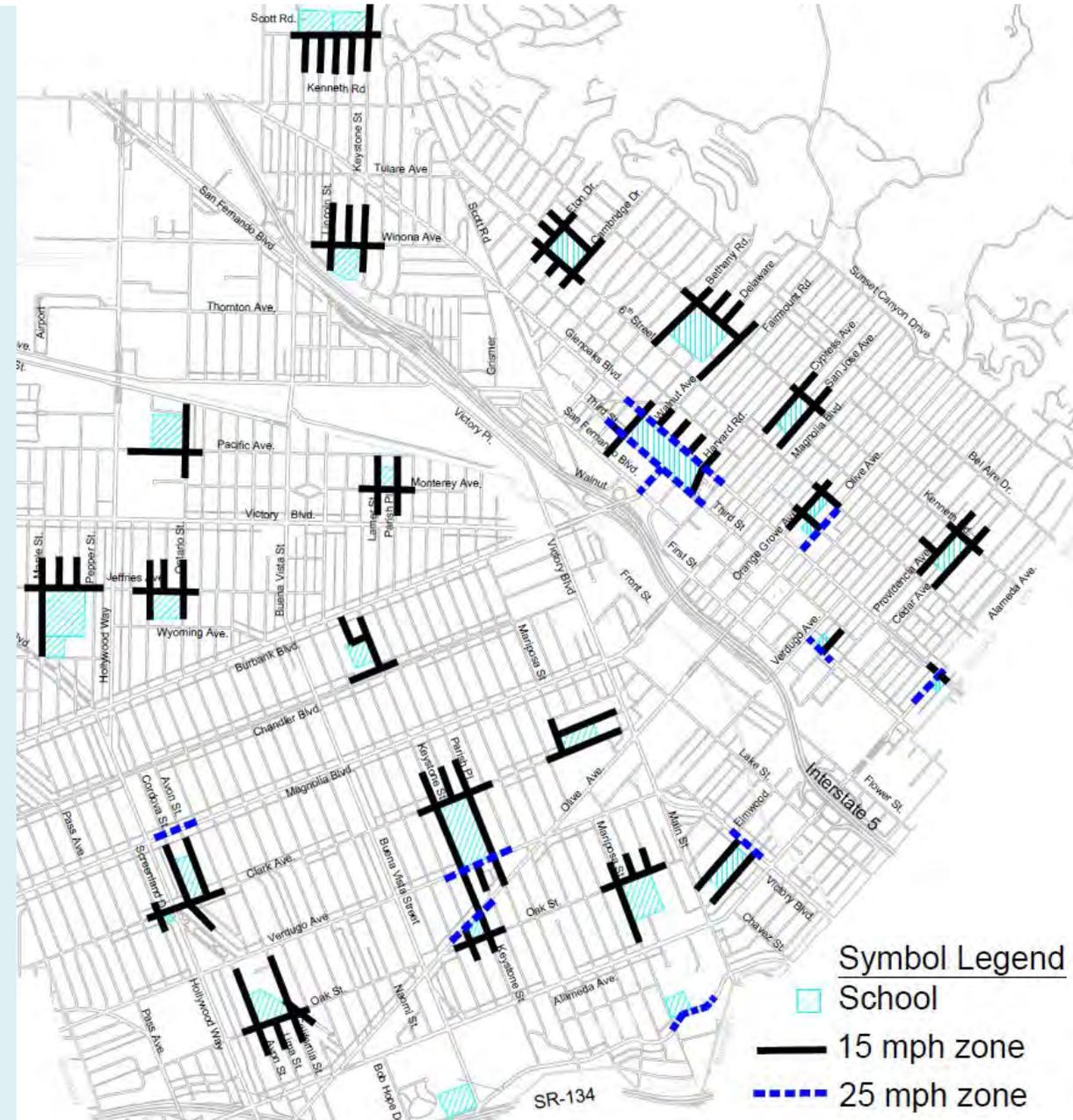
10-15 mph

Source: NACTO Urban Street Design Guide – Design Speed

POLICY: 15 MPH SCHOOL ZONE



- Recommend an Ordinance for 15 mph School Zones
- Streets must be:
 1. 2 lanes
 2. 25 or 30 mph
 3. In a residential zone
- Applies to 82 streets around 25 schools



POLICY: LOCAL ALL-WAY STOPS



- Stop signs can further enhance safety
- Currently use State criteria
- Los Angeles and Pasadena have adopted Local Criteria
- Recommend the same for Burbank
 1. Next to schools
 2. On routes to school
 3. In neighborhoods

Addresses:

- ✓ Cut-through traffic
- ✓ Jaywalking
- ✓ Children feeling unsafe



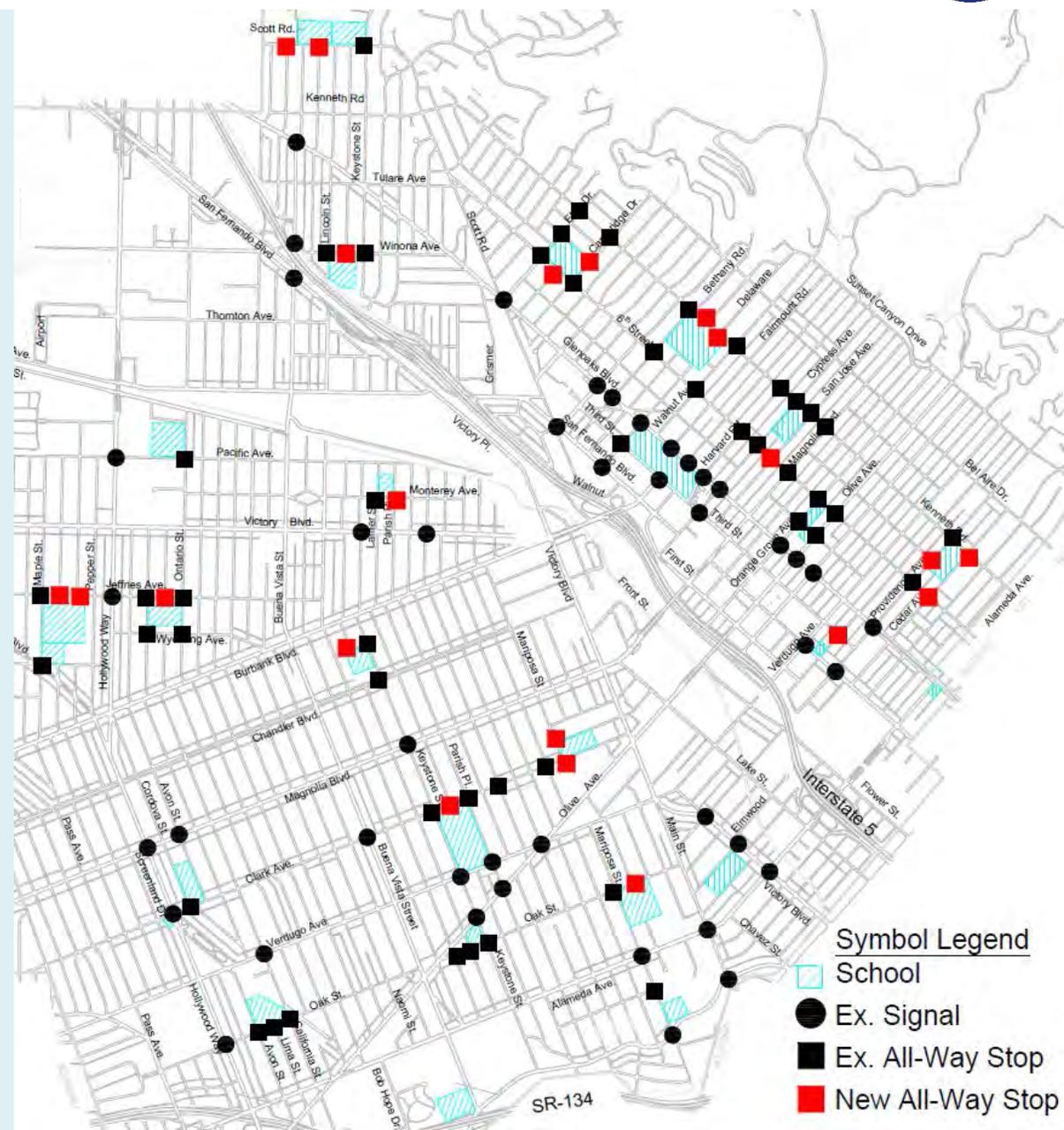
POLICY: LOCAL ALL-WAY STOPS



Criteria #1: Next to schools

- Install All-Way Stops at intersections:
 - Within 500 feet of a school
 - > 300 feet from nearest stop or signal
 - Streets must be 2 lanes and 25 or 30 mph
- Same as Los Angeles

If approved, 21 intersections around 14 schools will have all-way stops



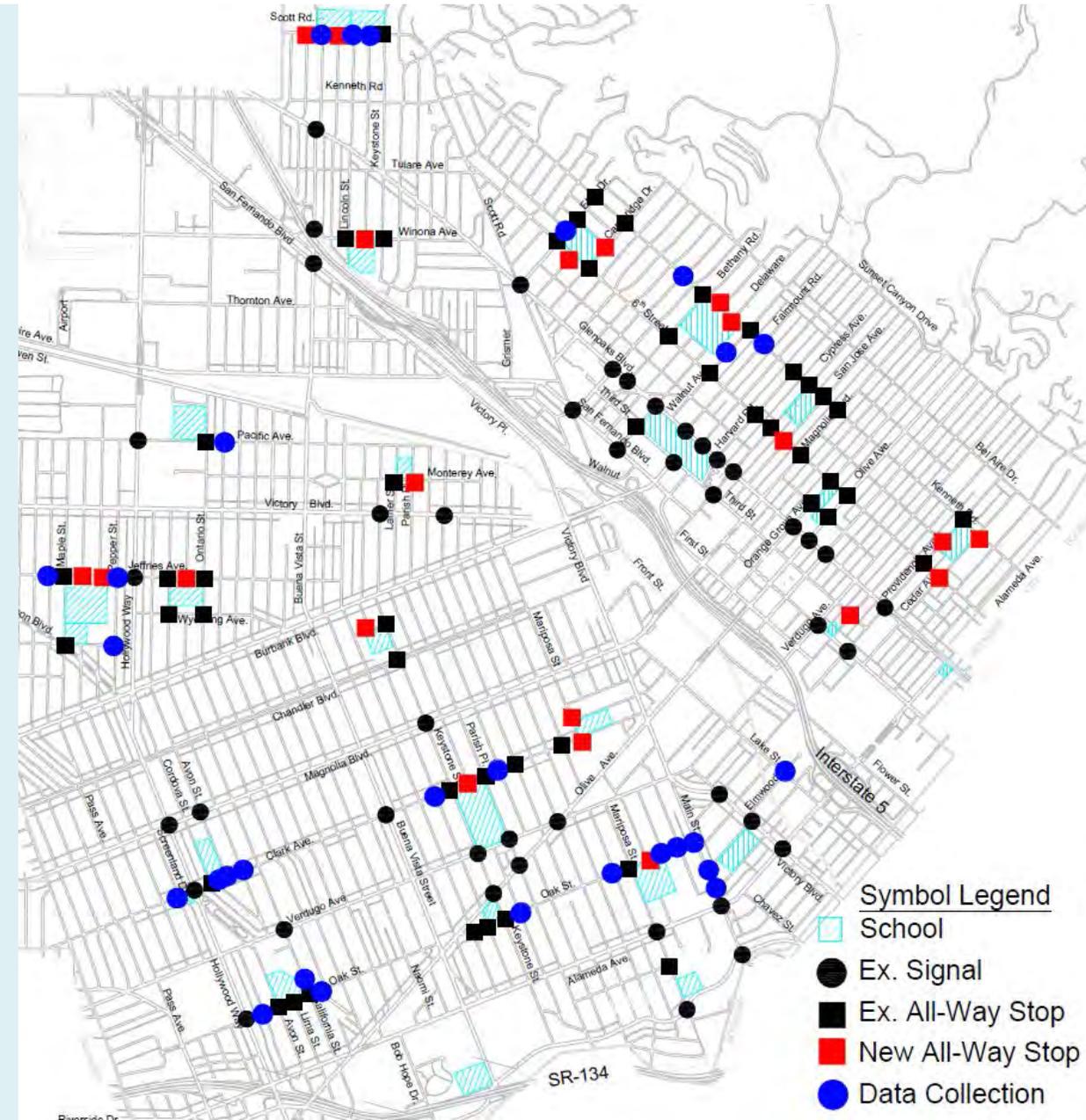
POLICY: LOCAL ALL-WAY STOPS



Criteria #2: Routes to school

- The State has established criteria for using Crossing Guards
- Install All-Way stop when this criteria is met
 1. 350 cars per hour use the street
 2. 40 students per day cross the street

If approved, staff will collect data at 29 intersections around 11 schools

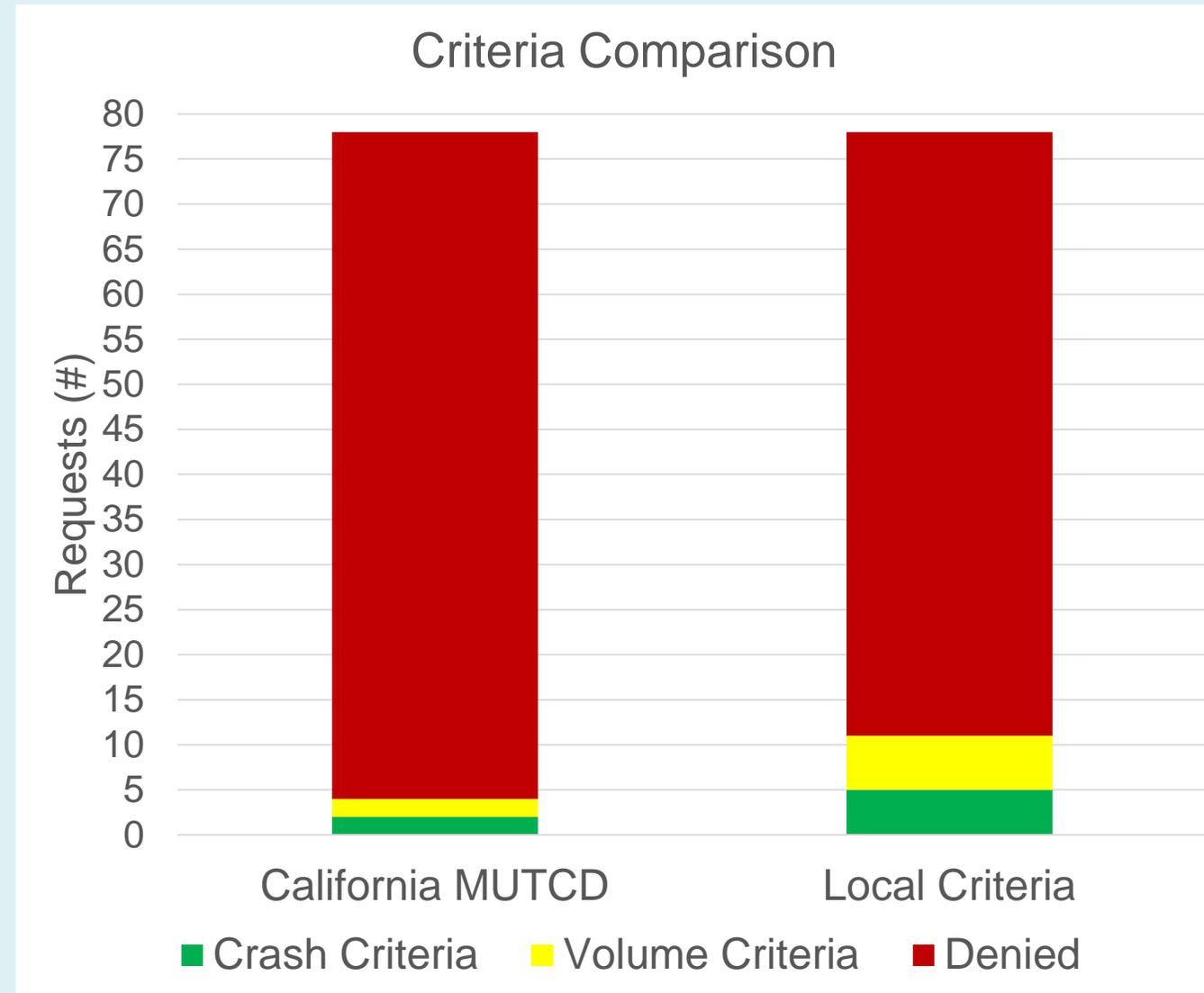


POLICY: LOCAL ALL-WAY STOPS



Criteria #3: Neighborhoods

- The State has established crash & volume thresholds
- Analyze requests using 60% of thresholds (same as Pasadena)
 - 3 crashes in 12 months (vs. 5)
 - 300 cars per hour (vs. 500)
- In 4 years, only 4 of 78 requests have met State criteria
- If approved, 11 of 78 meet the new local criteria



INFRASTRUCTURE RECOMMENDATIONS



- **High-Visibility Crosswalks**
- **Curb Ramps**
- **Bulb-Outs or Curb Extensions**

HIGH-VISIBILITY CROSSWALKS



Addresses:

- ✓ Jay walking
- ✓ Children feeling unsafe

- Separates vehicles and pedestrians
- Clear delineation for where vehicles should stop

Before: Mariposa St./Alameda Ave.



After: Mariposa St./Alameda Ave.



CURB RAMPS



Addresses:

- Children feeling unsafe

- Accessible transition from street to sidewalk for all, including people with disabilities, children on bicycles, people pushing strollers



BULB-OUTS OR CURB EXTENSIONS



Addresses:

- ✓ Speeding
- ✓ Children feeling unsafe

Proposed Locations

- 1. Winona Ave./Lincoln St.*
- 2. 6th St./Cambridge Dr.*

- Shortens pedestrian crossing distance
- Increases visibility of pedestrians
- Visually & physically narrows roadway to slow speeds

Before: Oak St./Lima St.



After: Oak St./Lima St.



WASHINGTON ELEMENTARY SCHOOL



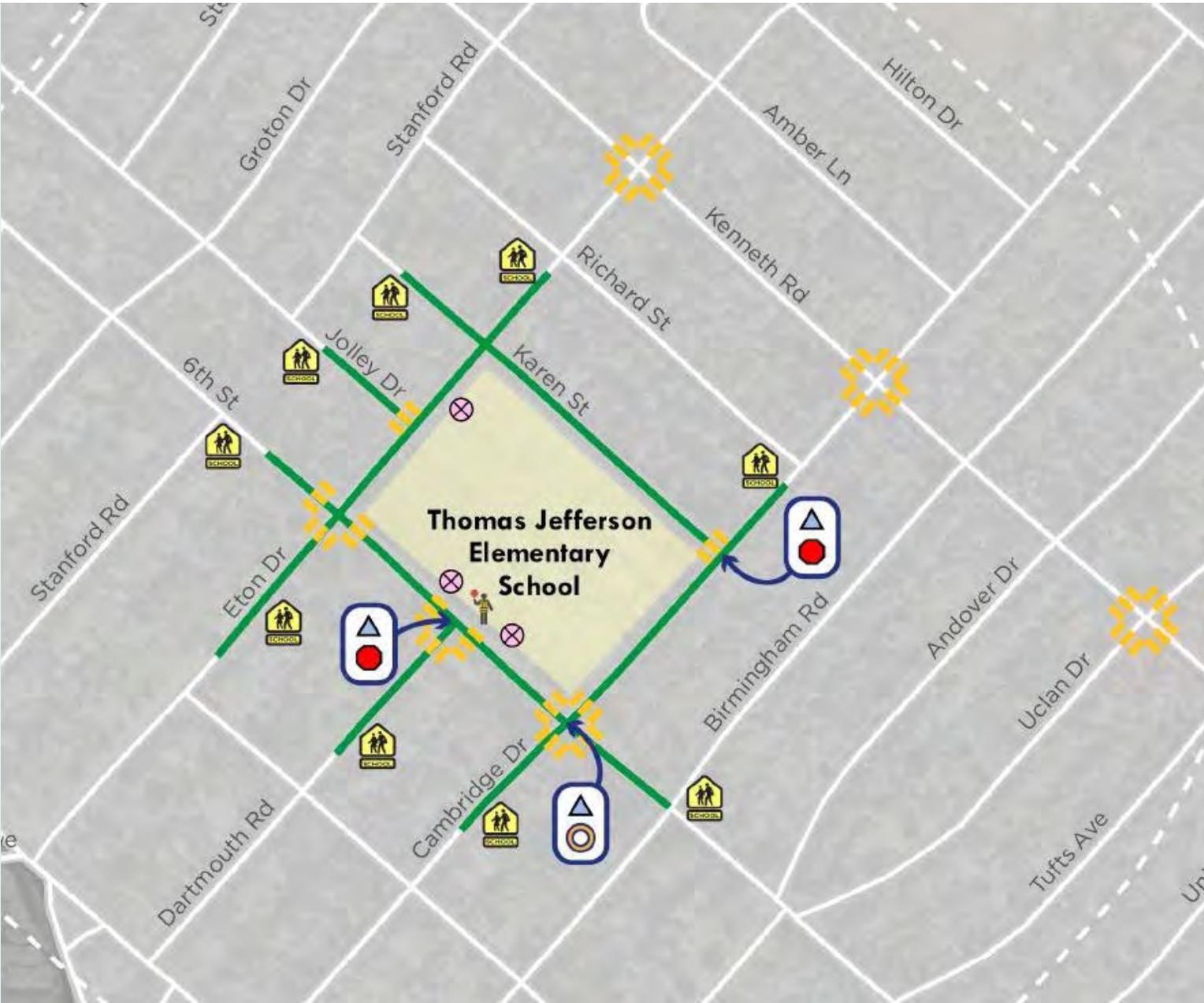
SCHOOL INFORMATION

- School Entrance/Exit
- Attendance Boundary
- Crossing Guard

SHORT-TERM IMPROVEMENTS

- All-Way Stop Sign
Installation contingent upon council approval of proposed local All-way Stop Sign policy.
- Bulbout
- Curb Ramps
- High-Visibility Crosswalks - School
- School Signage
- 15 MPH School Speed Zone

JEFFERSON ELEMENTARY SCHOOL



SCHOOL INFORMATION

- School Entrance/Exit
- Attendance Boundary
- Crossing Guard

SHORT-TERM IMPROVEMENTS

- All-Way Stop Sign
Installation contingent upon council approval of proposed local All-way Stop Sign policy.
- Bulbout
- Curb Ramps
- High-Visibility Crosswalks - School
- School Signage
- 15 MPH School Speed Zone

MUIR MIDDLE SCHOOL



SCHOOL INFORMATION

-  School Entrance/Exit
-  Attendance Boundary
-  Crossing Guard

SHORT-TERM IMPROVEMENTS

-  All-Way Stop Sign
Installation contingent upon council approval of proposed local All-way Stop Sign policy.
-  Curb Ramps
-  High-Visibility Crosswalks - School
-  School Signage
-  15 MPH School Speed Zone

SAFETY EDUCATION & WALK TO SCHOOL DAY



Addresses:

- ✓ Speeding
- ✓ Jaywalking
- ✓ Children feeling unsafe

Tips for Walking Safely to School

Walking is fun, but you need to be safe while doing it. Follow these tips to make sure you get to and from school without any problems.

Walk together

Younger children should always walk with an adult. Tell your parents that walking is great exercise and a nice way to spend time together.

If your parents say that you can walk to school on your own, remember these tips.

- Walk with a friend when possible.
- Ask your parents to help you pick a safe route to school, one that avoids dangers.
- Stick to the route you picked with your parents. Don't let friends talk you into shortcuts that are more dangerous.
- When you are near the street, don't push, shove, or chase each other.
- Never hitchhike or take rides from people not arranged by your parents.
- Talk to your parents and teacher about any bullying that may happen during your walk.

Be seen

Remember, drivers may not be able to see you well. Always wear bright-colored clothes and if it is dark or hard to see, carry flashlights or wear reflective gear.

Look for traffic

Watch out for cars and trucks at every driveway and intersection on your walk to school. Look for drivers in parked cars. They may be getting ready to move.

Cross the street safely

1. Stop at the curb or edge of the street.
2. Look left, right, left and behind you and in front of you for traffic.
3. Wait until no traffic is coming and begin crossing.
4. Keep looking for traffic until you have finished crossing.
5. Walk, don't run across the street.

Obey traffic signs, signals and adult school crossing guards

For more resources and information on Safe Routes to School, please visit the National Center for Safe Routes to School Web site at www.saferoutesinfo.org.



SUMMARY OF RECOMMENDATIONS



1. Approve Safe Routes to School Short-term Improvements

- High-Visibility Crosswalks
- Curb Ramps
- Bulb-Outs or Curb Extensions

2. Adopt and Implement a Citywide 15 mph School Zone Policy

3. Adopt and Implementation a Citywide Local All-Way Stop Criteria

FISCAL IMPACT: SAFE ROUTES TO SCHOOL



Jefferson Elementary, Muir Middle, Washington Elementary:

Items	Funding Source	Amount
<ul style="list-style-type: none">• Infrastructure (Short-term improvements)• Traffic Safety Education• 15 mph School Zones• All-Way Stop Signs	<ul style="list-style-type: none">• Caltrans Safe Routes to School Grant	\$487,500
	<ul style="list-style-type: none">• Measure R Local Return	\$20,000
		TOTAL = \$507,500

FISCAL IMPACT: CITYWIDE POLICY



15 mph School Zones & All-Way Stops (all remaining schools):

Phase	Funding Source	Amount
• Design	• Measure R Local Return	\$150,000
• Construction	• FY 19/20 Budget	\$570,000
		TOTAL = \$720,000

NEXT STEPS: IMPLEMENTATION



Safe Routes to School Project

Spring '19

- Complete engineering design

Summer '19

- Council to award construction contract
- Start construction

Fall '19

- Completion

Citywide 15 mph School Zones & All-Way Stops

Spring '19

- Select consultant

Summer '19

- Complete engineering design

Fall '19

- Council to award construction contract
- Start construction

Winter '19

- Completion

QUESTIONS?



Hannah Woo

Associate Planner, Transportation
Community Development Department
hwoo@burbankca.gov

Jonathan Yee, P.E., T.E.

Assistant Director, Traffic
Public Works Department
jyee@burbankca.gov