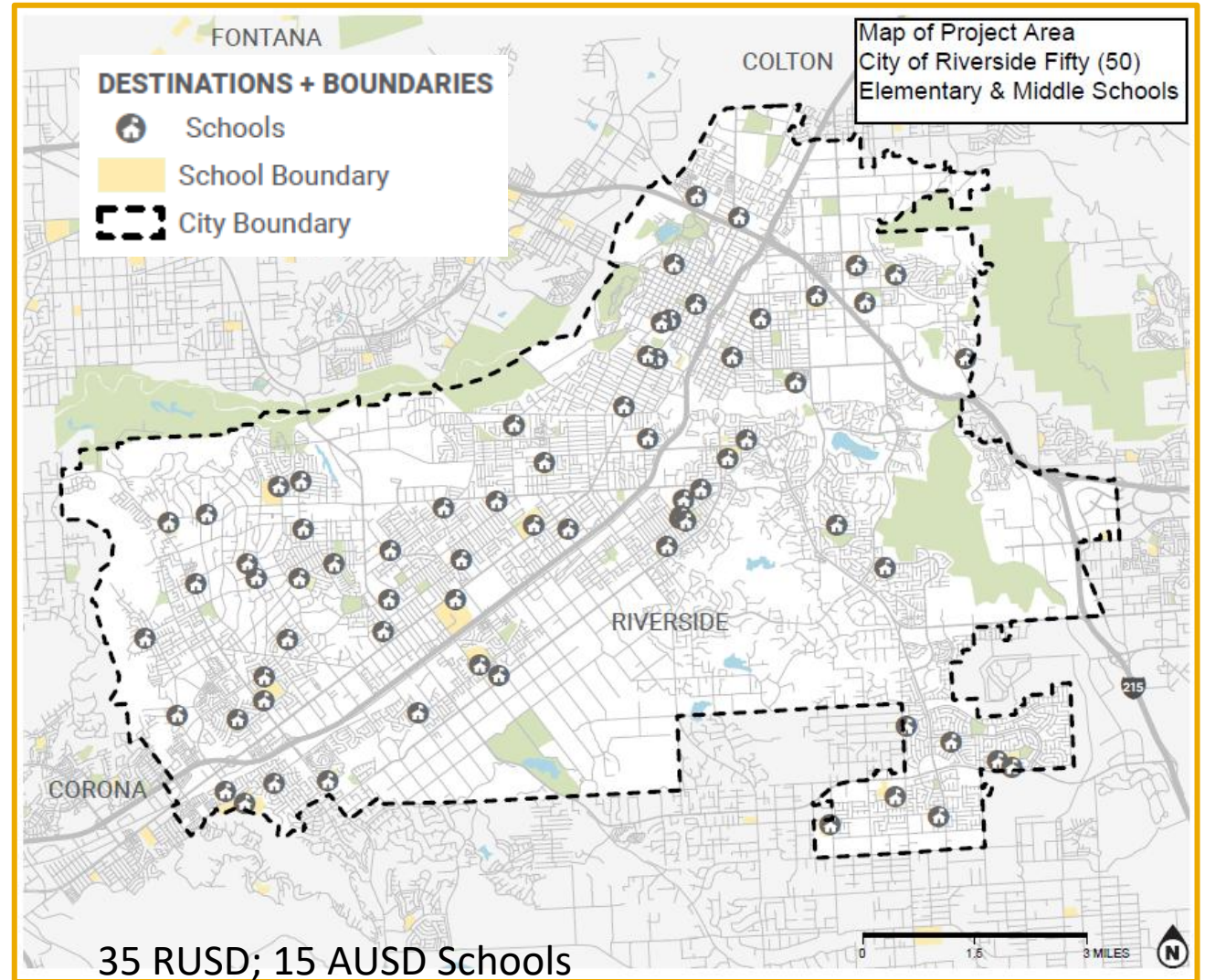




**Riverside's 50 Safe Routes To School Project Presentation
ITE Western District 2026 – Session 7A**

AGENDA

1. Introductions
2. History
3. Background
4. Schedule
5. Project Overview
6. School Photos
7. Action Plans & Reports
8. Toolbox
9. Dashboard



INTRODUCTION / STAKEHOLDERS



City of Riverside

Philip Nitollama, MPA, PE, TE

City Traffic Engineer



ALVORD

UNIFIED SCHOOL DISTRICT



**Chen Ryan Associates,
Inc.**

**Jenny An, CPF, LCI, RA, LEED
Green
Principal**

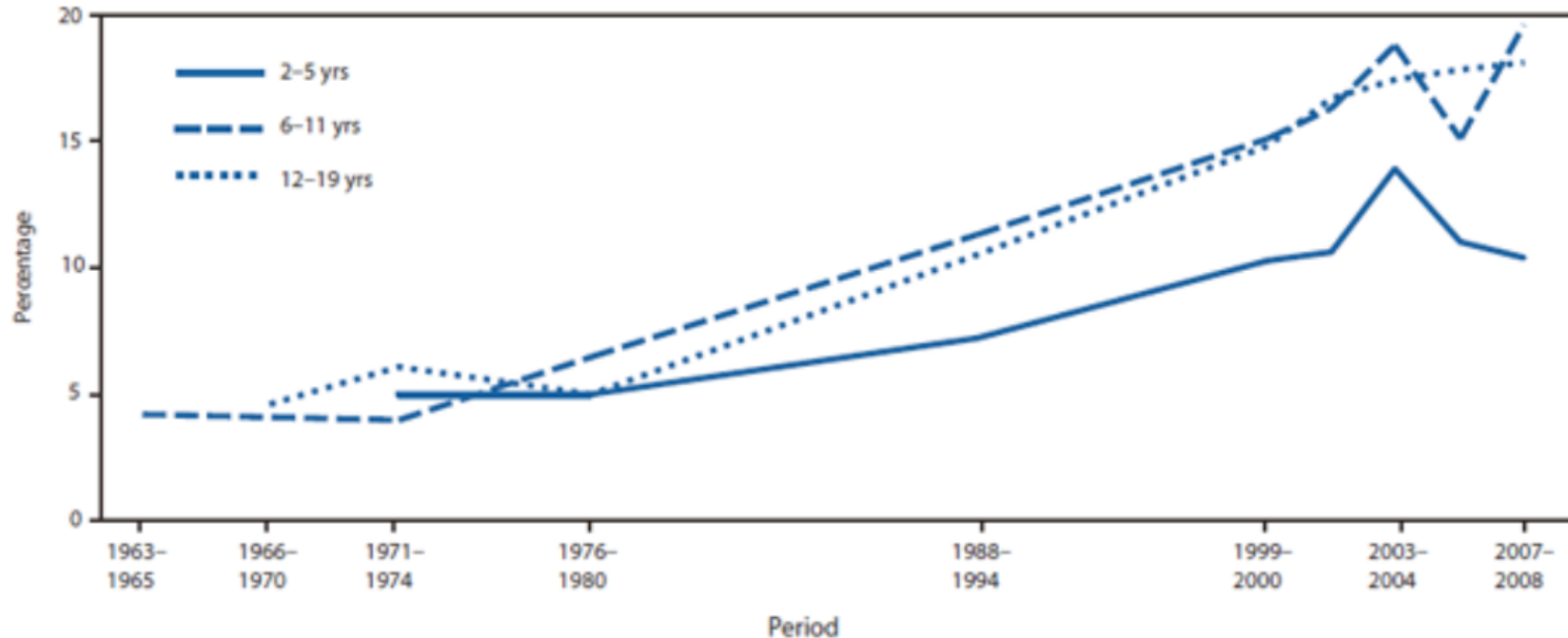


HISTORY (EPIDEMIC ISSUE)

The magnitude of the problem

In the United States, childhood obesity affects approximately 12.5 million children and teens (17% of that population) (1). Changes in obesity prevalence from the 1960s show a rapid increase in the 1980s and 1990s, **when obesity prevalence among children and teens tripled, from nearly 5% to approximately 15%**

FIGURE 1. Prevalence of obesity among children and adolescents, by age group --- United States, 1963--2008



CDC Grand Rounds: Childhood Obesity in the United States

Please note: An erratum has been published for this article. To view the erratum, please click [here](#).

Weekly

January 21, 2011 / 60(02);42-46



HISTORY (NATIONWIDE & CALIFORNIA)

Walking and bicycling. These levels are all well within the range of observed increases in mobility in SR2S projects. The estimated safety benefit of the program ranged from no net change to a 49% decrease in the collision rate among children.

This report evaluates the SR2S program for a number of mandated issues:

- (i) The effectiveness of the program in reducing crashes, injuries and fatalities involving children in the vicinity of the projects;
- (ii) The impact of the program on levels of walking and bicycling to school; and
- (iii) The safety benefits of the program in comparison with other highway safety programs.

Benefits of Safe Routes to School

Safe Routes to School improves sidewalks and street crossings and creates safe, convenient, and fun opportunities for children to bicycle and walk to and from school. The CDC has recognized Safe Routes to School as one of a handful of programs that are cost-effective and show significant population health impacts within five years. saferoutespartnership.org



Safe Routes
PARTNERSHIP
Active Paths for Equity & Health



Safe Routes to School Safety & Mobility Analysis

Report to the California Legislature

By:

Marla R. Orenstein
Nicolas Gutierrez
Thomas M. Rice
Jill F. Cooper
David R. Ragland

University of California Berkeley Traffic Safety Center

CALIFORNIA
DEPARTMENT OF TRANSPORTATION

Prepared Pursuant to
Streets and Highways Code
Section 2333.5

January 2007

BACKGROUND (PAST EFFORTS)

2015

School Traffic Circulation Report

Bryant Elementary School

Prepared by the City of Riverside Traffic Engineering Division



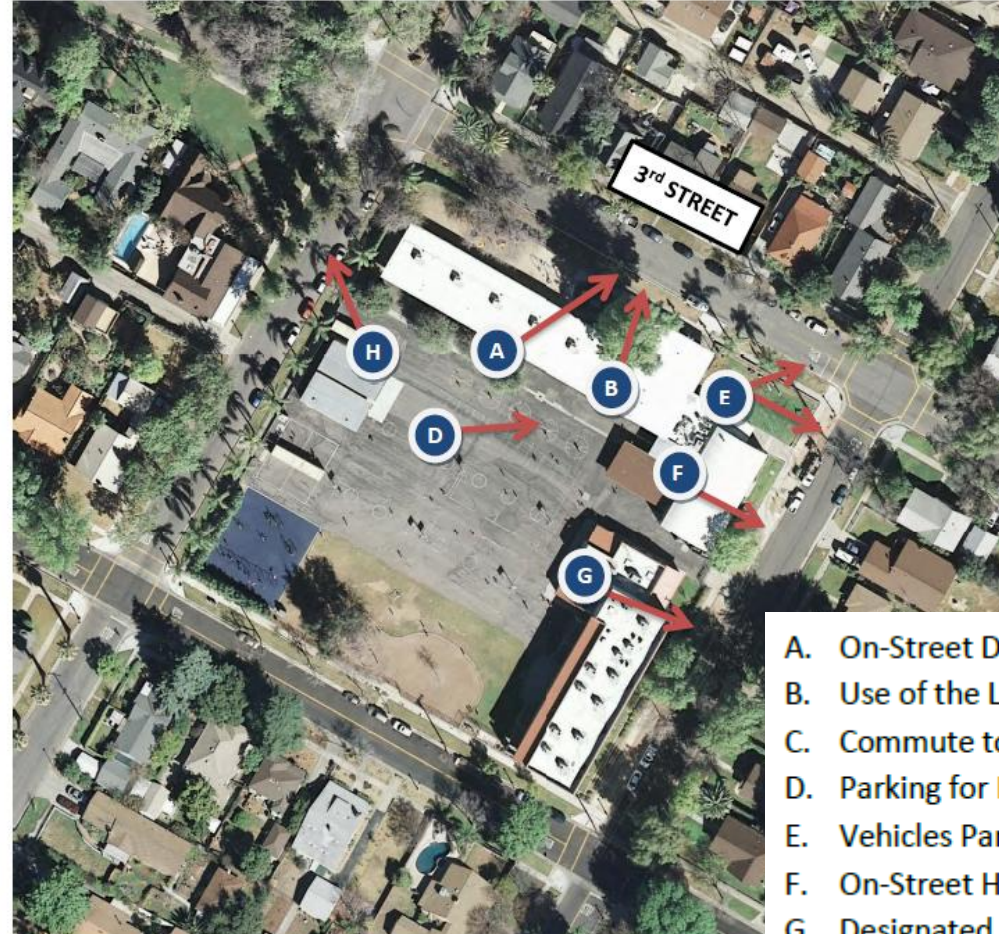
City of Riverside - Department of Public Works
3900 Main Street, Riverside CA 92522
2/1/2015



Traffic Circulation Report

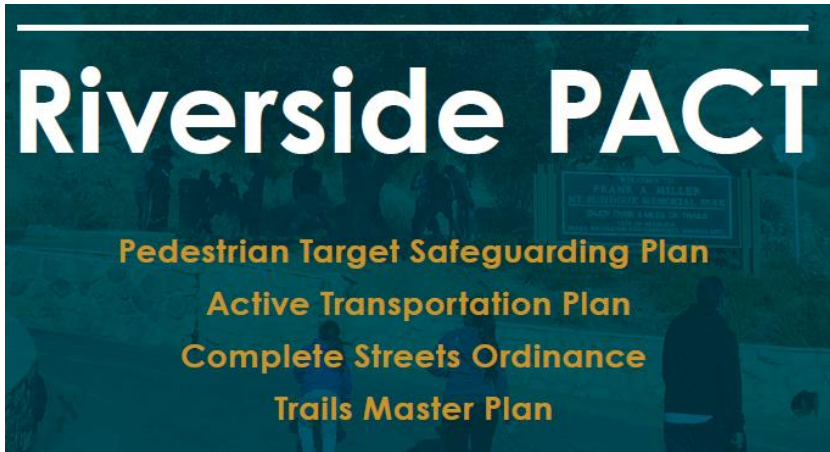
Bryant Elementary School

Recommendation Map:



- A. On-Street Designated Loading Zone
- B. Use of the Loading zone
- C. Commute to School
- D. Parking for Event and Assemblies
- E. Vehicles Parked in Painted Red Curbs
- F. On-Street Handicap Parking
- G. Designated Bus Loading Zone

ACTIVE TRANSPORTATION PLAN



Programmatic Recommendations

SAFE ROUTES TO SCHOOL RECOMMENDATIONS

SRTS programs foster collaboration between parents, school staff, school districts, and local agencies to identify and remedy deterrents and impediments to walking and cycling as well as safety concerns along routes to/from school in an effort to enhance safety and promote student walking and cycling. A crucial role of the City in the SRTS program includes the maintenance and upgrade of infrastructure on public streets along routes to/from public and private schools to create safe and inviting pedestrian and cyclist environments and work in partnership with the Riverside Police Department to deter and enforce unsafe

LOCAL ROADWAY SAFETY PLAN

Source: Riverside Crossroads Database (2017 – 2022)

7.5 Vulnerable Users

7.5.1 Pedestrian Collisions

509 pedestrian involved collisions occurred during the study period, resulting in 21 fatal collisions, 62 severe injuries, and 369 collisions with some form of reported injury or pain.

Figure 10 shows the locations of pedestrian collisions during the study period. This figure zoomed into each City ward is provided in Appendix A. The top 3 primary collision factors for these collisions were pedestrian violation (36.6%), pedestrian right-of-way violation (25.5%), and other improper driving (16.9%).

7.5.2 Bicycle Collisions

During the study period, 354 collisions involving bicycles were reported. Of these, 4 were fatal, 25 were severe injuries, and 277 were some forms of reported injury or pain. **Figure 10** shows the location of bicycle collisions during the study period. This figure zoomed into each City ward is provided in Appendix A. The top 3 primary collision factors for bicycle collisions were drivers/bicyclists on the wrong side of the road (29.7%), drivers/bicyclists ignoring traffic signals and signs (17.4%), and automobile right-of-way violations (14.7%).

POLICY / PLANS

Does the City have a Safe Routes to School program?

No, however the City did apply and implement SRTS grants, most recently ATP Cycle VI

Implement a Safe Routes to School program with funding, utilize collision analyses to refocus efforts

CITY OF RIVERSIDE
LOCAL ROADWAY SAFETY PLAN



RECENT ACTIVE TRANSPORTATION EFFORTS

UC Berkeley
SafeTREC



California Walks

Stepping Up for Health, Equity, & Sustainability

Summer 2023

Arlanza Elementary School, Riverside
Summary and Recommendations Report

Community
Pedestrian and
Bicycle Safety
Training

OTS
CALIFORNIA OFFICE OF
TRAFFIC SAFETY

California Walks
Stepping Up for Health, Equity, & Sustainability

Berkeley SafeTREC

Funding for this program is provided by a grant from the California Office of Traffic Safety through the National Highway Traffic Safety Administration.

Summer 2023

Liberty Elementary School, Riverside
Summary and Recommendations Report

Community
Pedestrian and
Bicycle Safety
Training

OTS
CALIFORNIA OFFICE OF
TRAFFIC SAFETY

California Walks
Stepping Up for Health, Equity, & Sustainability

Berkeley SafeTREC

Funding for this program is provided by a grant from the California Office of Traffic Safety through the National Highway Traffic Safety Administration.



ARLANZA ELEMENTARY SCHOOL SAFETY STUDY

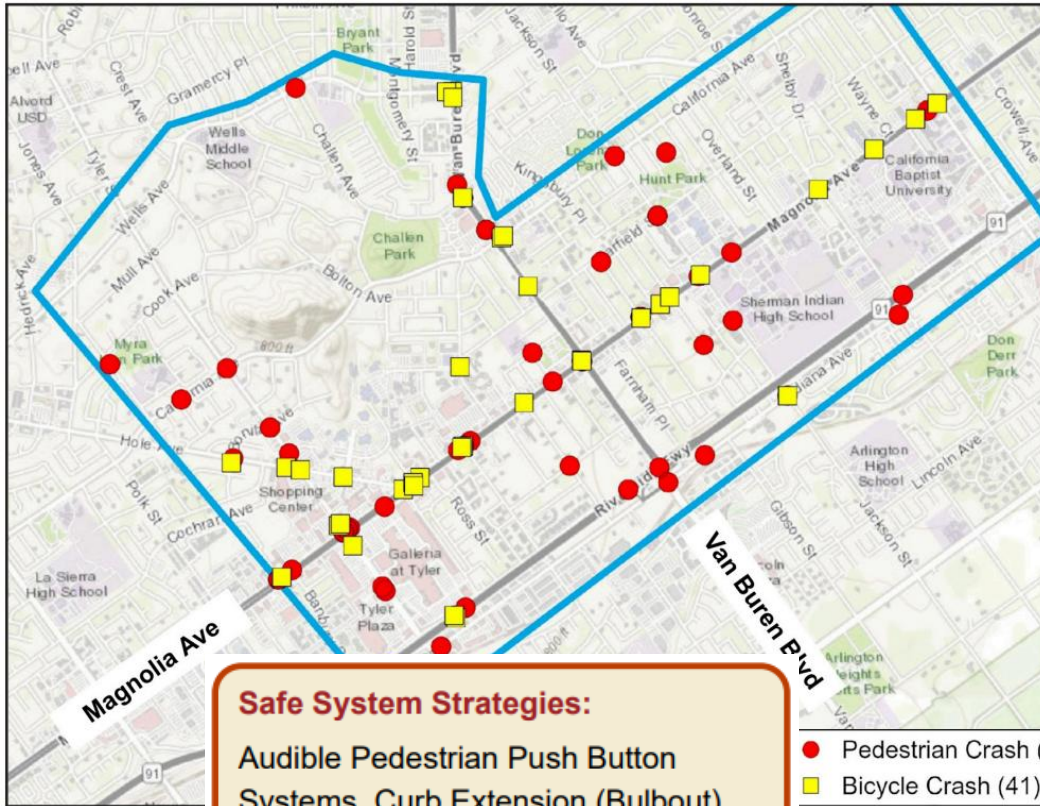


Planning Committee / Public Outreach

- Stakeholders
- Collision History
- Community Input
- Walk Audit
- Recommendations



LIBERTY ELEMENTARY SCHOOL SAFETY STUDY



Safe System Strategies:

Audible Pedestrian Push Button Systems, Curb Extension (Bulbout), Daylighting, Designated Safe Routes, High-Visibility Road Markings and Signage, Hybrid Beacon (HAWK), Neighborhood Speed Awareness Program, Quick-Build Project, Raised Crosswalk, Reduced Speed Limit Zone, Speed Hump, Temporary Demonstration Project

● Pedestrian Crash (55)
■ Bicycle Crash (41)

Key Facts



26%

Households with 1+ Persons with a Disability

Vulnerable Population



12%

Population 65+



11%

Households without a vehicle



12%

Households Below the Poverty Level

Commute Profile



2%

Took Public Transportation



11%

Carpooled



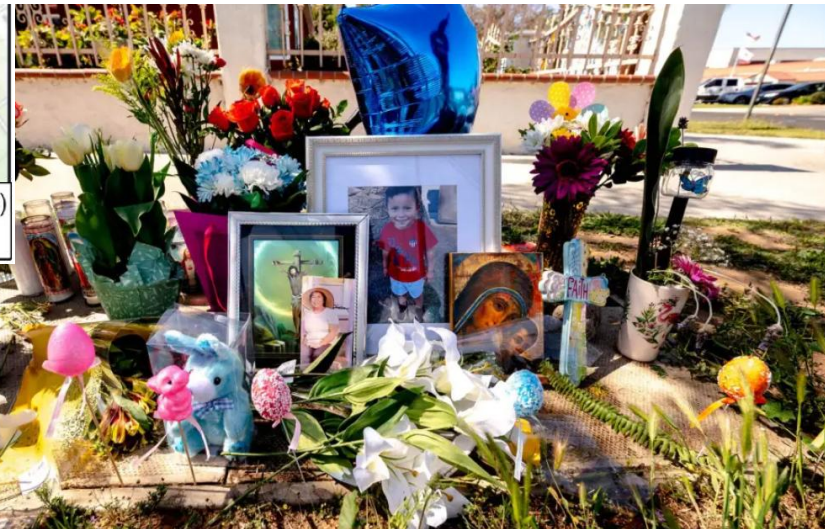
3%

Walked to Work



1%

Bike to Work



- Install protected bike lanes on major biking routes that provide dedicated space away from fast-moving vehicles, especially on Van Buren Boulevard.

Planning Committee / Public Outreach

- Stakeholders
- **Fatal** Collision History
- Community Input
- Walk Audit
- Improvements



BACKGROUND (SAFE ROUTES TO SCHOOL GRANT)

On March 7, 2023 application to the Caltrans Sustainable Transportation Planning Grant for Citywide Safe Routes To School Plan



CR Associates

On August 31, 2023, Caltrans informed the City that it's grant application was successful. **Grant Amount \$700K & Local Match \$90K (Total Project of \$790K)**

On November 7, 2023 the Public Works Department accepted the grant funds and earmarked local match appropriation funds.

On July 16, 2024 the City awarded the consultant contract to Chen Ryan Associates, Inc. to complete the citywide Safe Routes To School Project.



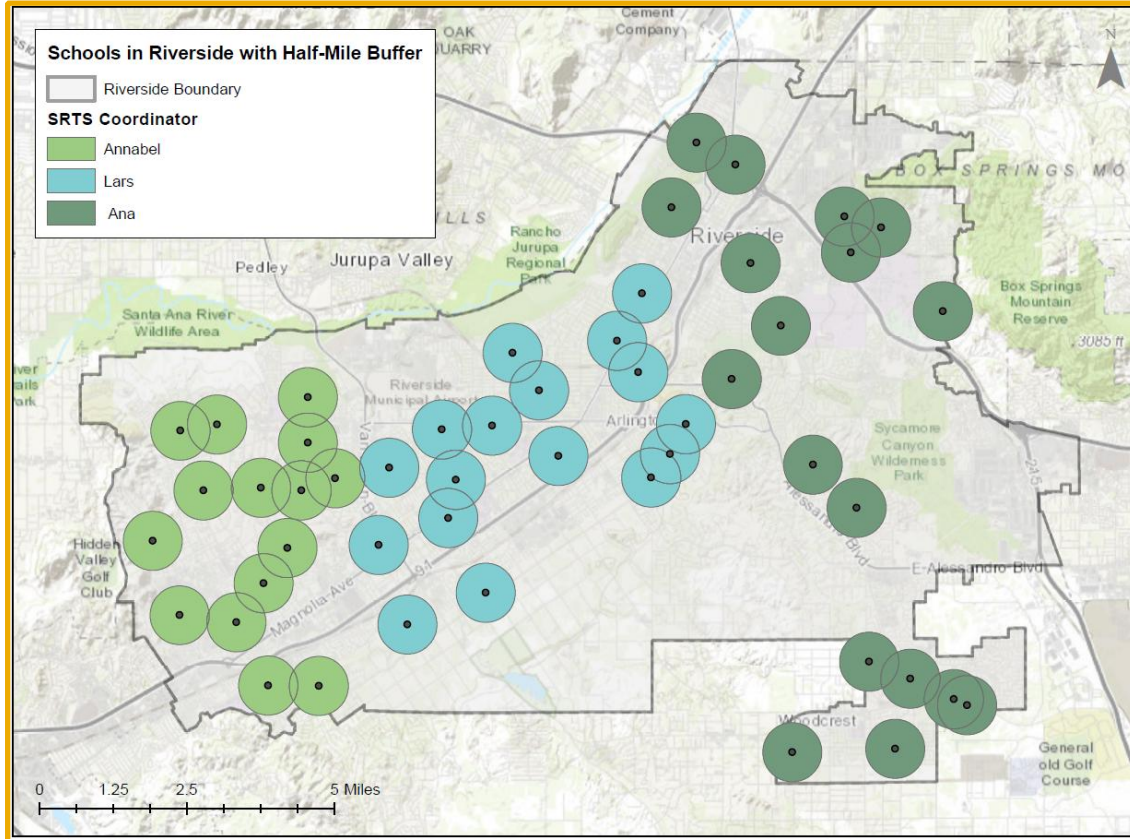


Every morning, thousands
of our city's children
embark on the journey to

PROJECT AREA - SCHOOL LOCATIONS

AUSD

- [Allan Orrenmaa ES](#)
- [Arizona MS](#)
- [Arlanza ES](#)
- [Collett ES](#)
- [Foothill ES](#)
- [La Granada ES](#)
- [Loma Vista MS](#)
- [Myra Linn ES](#)
- [Phillip M. Stokoe ES](#)
- [Rosemary Kennedy ES](#)
- [S. Christa McAuliffe ES](#)
- [Terrace ES](#)
- [Twinhill ES](#)
- [Valley View ES](#)
- [Wells MS](#)



RUSD West

- [Adams ES](#)
- [Central MS](#)
- [Chemawa MS](#)
- [Harrison ES](#)
- [Hawthorne ES](#)
- [Jackson ES](#)
- [Jefferson ES](#)
- [Liberty ES](#)
- [Madison ES](#)
- [Magnolia ES](#)
- [Matthew Gage MS](#)
- [Monroe ES](#)
- [Mountain View ES](#)
- [Pachappa ES](#)
- [Sierra MS](#)
- [Victoria ES](#)
- [Washington ES](#)

RUSD East

- [Alcott ES](#)
- [Amelia Earhart MS](#)
- [Benjamin Franklin ES](#)
- [Bryant ES](#)
- [Casa Blanca ES](#)
- [Castle View ES](#)
- [Emerson ES](#)
- [Frank Augustus Miller MS](#)
- [Fremont ES](#)
- [Highland ES](#)
- [John F. Kennedy ES](#)
- [Longfellow ES](#)
- [Mark Twain ES](#)
- [Patricia Beatty ES](#)
- [Riverside STEM Academy](#)
- [Tomas Rivera ES](#)
- [University Heights MS](#)
- [William Howard Taft ES](#)



PROJECT SCHEDULE

September 2024:

School Outreach

October - December:

Student Tally, Parent Survey, School Mobility Assessments

December - February:

Analysis

March - May:

Recommendations, Suggested SRTS Maps

Summer 2025:

Individualized School Report

Fall 2025:

Student Tally, Parent Survey

Winter 2025:

City-wide SRTS Safety Action Plan

Summer 2026:

Adopt SRTS Plans, Reports, & Resolution



PROJECT OVERVIEW OF PLAN DEVELOPMENT



SRTS PHOTOS (EQUIPMENT SCHOOL STORAGE)



SRTS PHOTOS (CROSSING GUARDS)



90 Crossing
Guards
Citywide



SRTS PHOTOS (SAFETY)



SAFE ROUTES TO SCHOOL OBJECTIVES (6 E'S)



DISADVANTAGED COMMUNITY / COLLISION ANALYSIS

	#	School Name	School Enrollment	% of Students Eligible FRPM ¹	% of Students Eligible FRPM > 75% ¹
ALVORD UNIFIED SCHOOL DISTRICT (AUSD)	1	Allan Orrenmaa Elementary	519	83.8%	x
	2	Arizona Middle	912	85.9%	x
	3	Arlanza Elementary	455	91.4%	x
	4	Collett Elementary	544	88.6%	x
	5	Foothill Elementary	501	93.0%	x
	6	La Granada Elementary	536	95.5%	x
	7	Loma Vista Middle	986	91.7%	x
	8	Myra Linn Elementary	476	95.4%	x
	9	Phillip M. Stokoe Elementary	618	87.4%	x
	10	Rosemary Kennedy Elementary	396	90.7%	x
	11	S. Christa McAuliffe Elementary	587	76.0%	x
	12	Terrace Elementary	733	88.7%	x
	13	Twinhill Elementary	431	91.9%	x
	14	Valley View Elementary	668	82.9%	x
	15	Wells Middle	810	95.3%	x

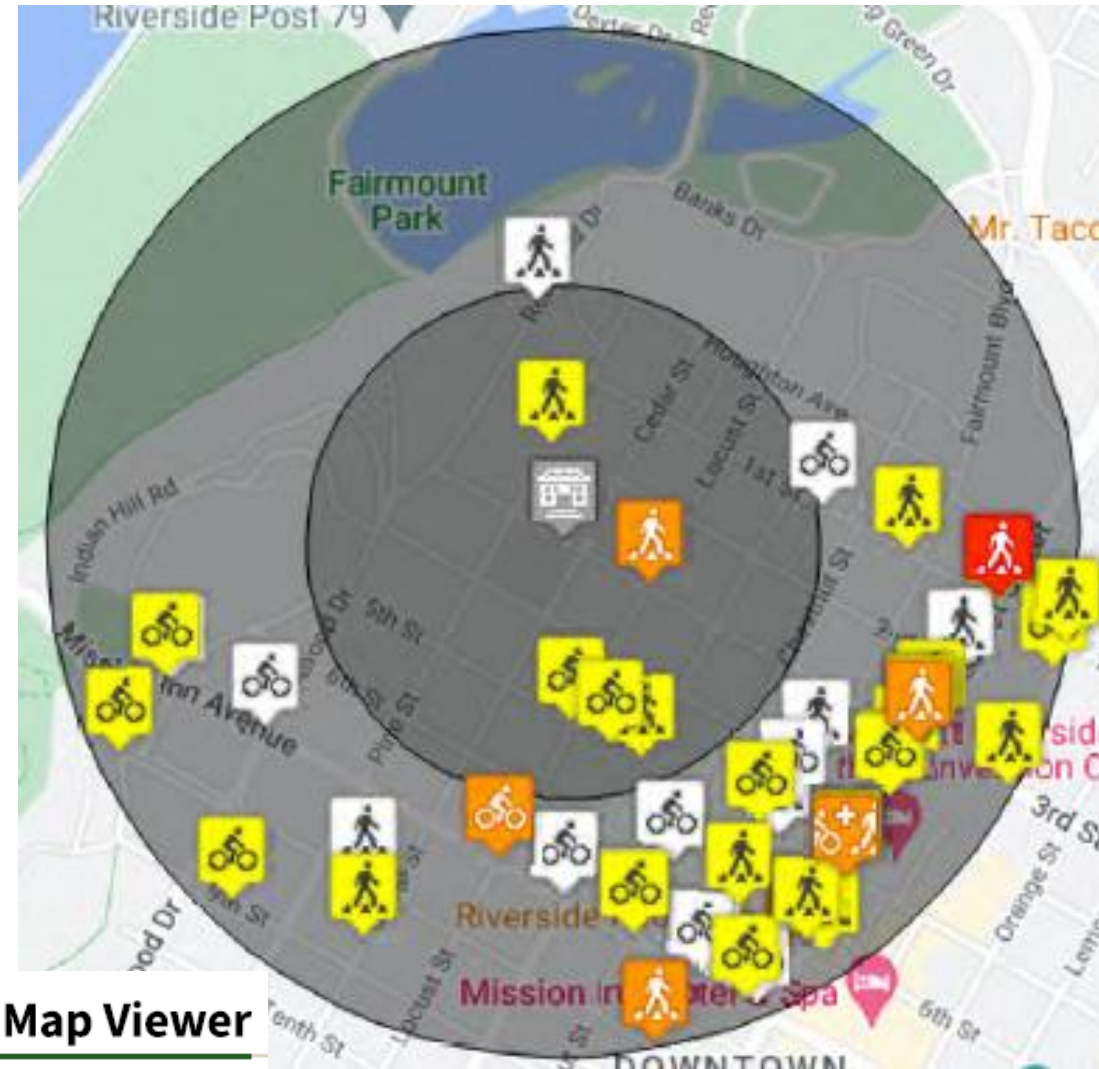
Free or Reduced Priced Meals = FRPM

Min 75%

Bryant Elementary

4324 Third Street | Riverside

Safe Routes to School Crash Map Viewer



COMPREHENSIVE COMMUNITY ENGAGEMENT



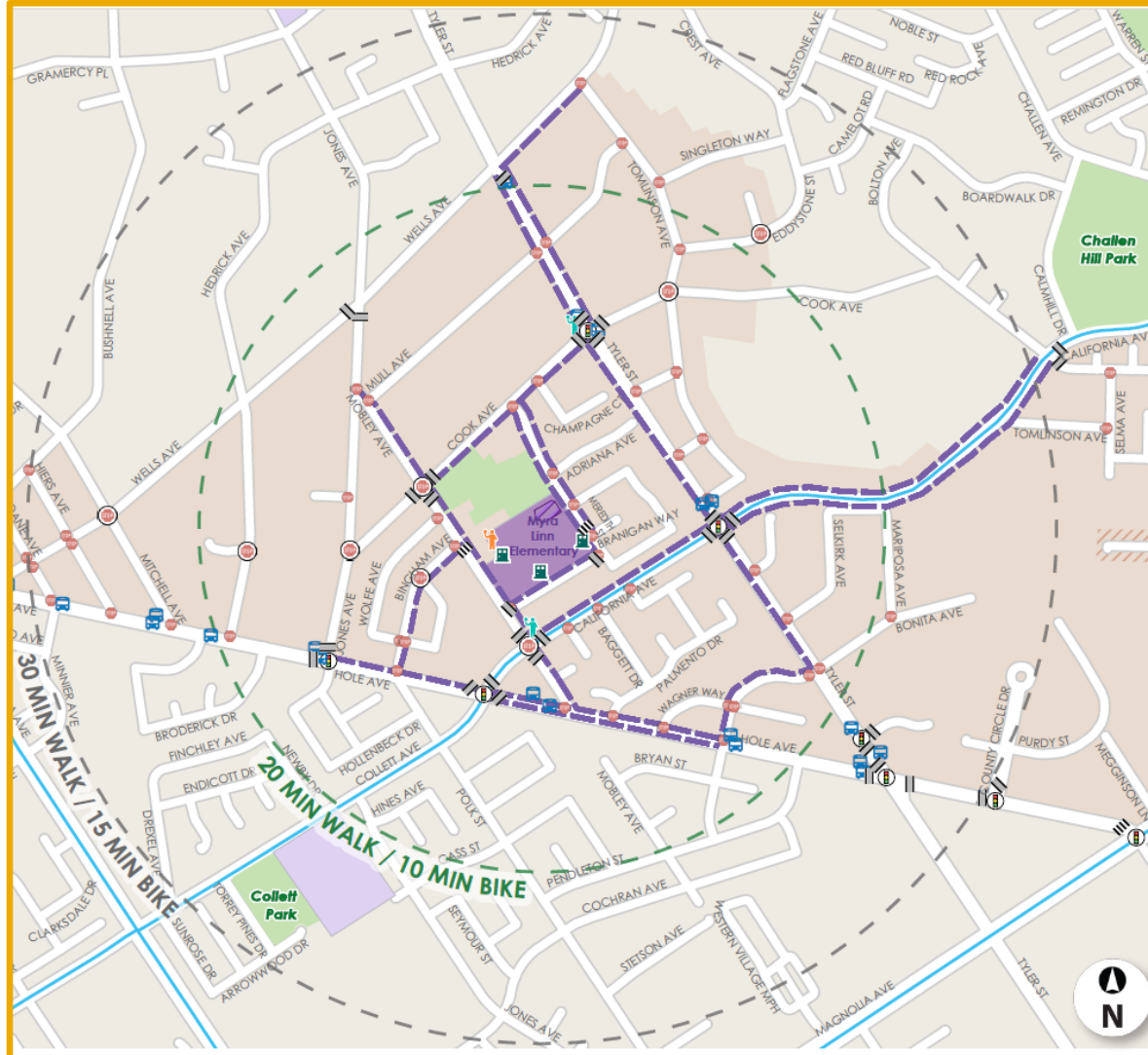
Why School
Leadership
Matters for Safe
Routes to School



INDIVIDUALIZED SRTS ACTION PLANS

Existing Conditions

-  Traffic Signal
-  All-Way Stop
-  Side Stop
-  High Visibility Crosswalk
-  Standard Crosswalk
-  Pedestrian Beacon/ RRFB
-  ADA Compliant Ramp
-  Ramp
-  Crossing Guard
-  Bicycle Lane
-  Bicycle Parking
-  Parking Lot
-  School
-  1/4 Mile From School
-  10 Minute Walk
-  5 Minute Bike Ride



Includes:

- Suggested Routes
- Walking Tips
- Biking Tips
- Benefits to Walk and Bicycling
- Bike Resources

RIVERSIDE
SAFE ROUTES
to School

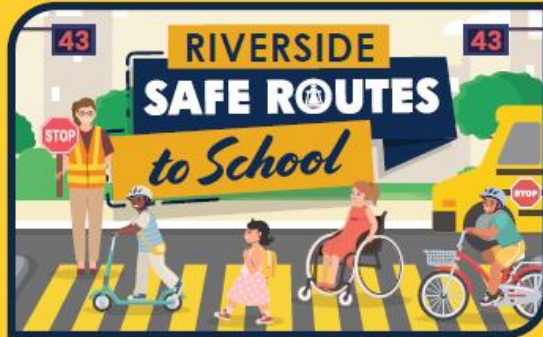


SRTS SAFETY TIPS

Discover the safest and easiest ways to walk to school — use our Safe Routes to School walking map to find kid-friendly paths + crosswalks for a safer, healthier journey!



Learn more about the City of Riverside Safe Routes to School Project.



MYRA LYNN
ELEMENTARY SCHOOL



Learn more
about Myra Lynn
Elementary School



WALKING DO'S

Practice a Safe Route Together



- ▶ Stop at crosswalks and intersections and look left-right-left, and wait for a Walk signal or Clear Gap.
- ▶ Demonstrate safe habits consistently—children copy what they see.

- ▶ Be aware of visibility, especially at dawn, dusk, or in the rain.

Walk Loud!



- ▶ Walk on sidewalks. If there is no sidewalk, walk on the left side facing cars.
- ▶ Praise safe choices - Use encouragement and small rewards to make safety fun.
- ▶ Talk about stranger danger and safe behaviors.

Make Safety Fun!



- ▶ Walk with your family, friends, neighbors, or pets.
- ▶ Play "Red Light, Green Light" to practice stopping and going.
- ▶ Go on a scavenger hunt to find crosswalks, signs, and sidewalks.

WALKING DO NOT'S



- ▶ Do not use earbuds/headphones, or cellphones. They make it more difficult to react quickly.
- ▶ Cars pull out quickly. Do not dart between parked cars.

BIKING DO'S

Perform an ABC Quick Check before each ride



Wear a Helmet

Riders under 18 must wear a properly fitted helmet.



Check your helmet fit:

Two fingers above the eyebrows, a V under the ears, and one finger between the chin and strap.

Flash your Lights + Hands—Be Predictable



- ▶ CA law requires front white lights, rear red reflectors/lights, and pedal/side reflectors at night.
- ▶ POINT! Show where you are going with your hands.

Ride Right—With Traffic, Not Against It



- ▶ Stay to the right of cars. Obey stop signs, signals, and lane rules, just like cars.
- ▶ Leave space from parked cars to avoid the "door zone."
- ▶ Riders should always assume that drivers may not see them.

Build Independence Gradually



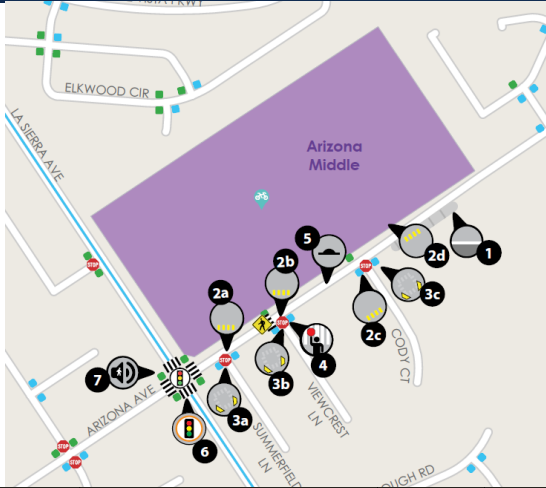
- ▶ Use bike lanes, slow-traffic streets, and designated school routes when possible.
- ▶ Practice a route until your child feels confident.

BIKING DO NOT'S



- ▶ Riding against traffic is dangerous and illegal.
- ▶ Do not weave between cars.
- ▶ Do not use earbuds/headphones, or cellphones. They make it more difficult to react quickly.

FIFTY (50) INDIVIDUALIZED SRTS REPORTS



#	Short, Medium, Long Term*	Description	Quantity**	Location**
1	Medium	Construct Sidewalk	250 LF	S side of the street
2a	Short	Install Yellow High-Visibility Crosswalk - Ladder (New)	1 EA	S Leg
2b	Short	Install Yellow High-Visibility Crosswalk - Ladder (New)	1 EA	S Leg
2c	Short	Install Yellow High-Visibility Crosswalk - Ladder (New)	1 EA	S Leg
2d	Short	Install Yellow High-Visibility Crosswalk - Ladder (New)	1 EA	N Leg
3a	Medium	Install Truncated Domes	2 EA	SEC & SWC
3b	Medium	Install Truncated Domes	2 EA	SEC & SWC
3c	Medium	Install Truncated Domes	2 EA	SEC & SWC
4	Short	Place Crossing Guard ***	--	W Leg
5	Short	Consider Construction of Speed Hump ****	1 EA	--
6	Medium	Install Battery Back-Up Systems at Signalized Intersections within 1/4 mile of School Boundary	1 EA	--
7	Medium	Install Audible Pedestrian Push Buttons (PPBs)	4 EA	--



RIVERSIDE SAFE ROUTES to School

ARIZONA MIDDLE SCHOOL

SAFE ROUTES TO SCHOOL (SRTS) SAFETY ACTION PLAN

Benefits of Safe Routes to School

Safe Routes to School improves sidewalks and street crossings and creates safe, convenient, and fun opportunities for children to bicycle and walk to and from school. The CDC has recognized Safe Routes to School as one of a handful of programs that are cost-effective and show significant population health impacts within five years. saferoutespartnership.org

*CDC - Center for Disease Prevention

COST SAVINGS

- Household savings from reduced gas & car use
- Education budget savings through reduced student busing costs

TRAFFIC SAFETY

- Reduced traffic injuries & dangers for students and community members at arrival & dismissal through street improvements near schools
- More chances to learn & practice road safety for students

SAFETY FROM CRIME

- Increased safety from crime & violence due to more people on the streets, good lighting & better street design
- Less harassment, bullying, or violence when students walk or bike together or with adults

HEALTHIER STUDENTS

- Better health & stronger bones, muscles & joints through more walking & biking
- Reduced risk of chronic disease, diabetes, & obesity

SCHOOL TRANSPORTATION FIXES

- Solutions to reduced or non-existent bus service through Safe Routes to School
- Reduced traffic congestion at pick-up/drop-off times

CLIMATE BENEFITS AND CLEANER AIR

- Fewer student asthma attacks due to less driving & reduced air pollution results
- Cleaner air & reduced greenhouse gas emissions

COMMUNITY CONNECTEDNESS

- Stronger student friendships & relationships through walking & biking together
- Positive social connections for families & neighbors

BETTER ACADEMIC PERFORMANCE

- Better focus, improved concentration & less distraction for students who are active before school
- Fewer absences and less tardiness when students walk or bike in groups

SRTS REPORT DOCUMENTATION



Identifying School Based Improvements

- Pick up / Drop Off
- Walking and Rolling to School



Identifying City Public Right-of-Way Improvements



Suggested Safe Routes to School Maps

- Student tallies
- Parent Survey
- Crossing Guard



PEDESTRIAN TOOLBOX OF IMPROVEMENTS

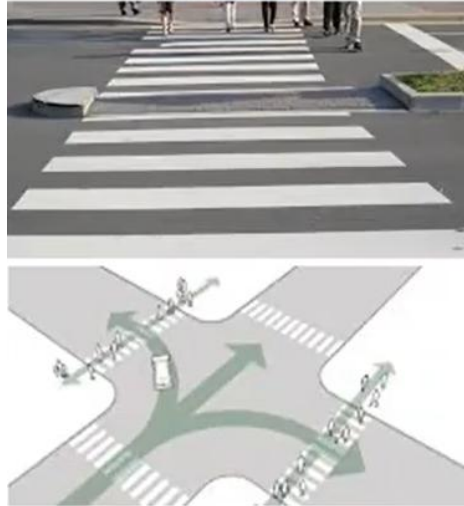


Touchless Audible
Pedestrian Push Buttons



AI-Based Video
Detection Systems

Pedestrian Refuge
Island



Lead Pedestrian
Interval



Protected
Intersection

Pedestrian Scramble



Pedestrian Signal



Midblock Crossing

Crosswalk & Curb
Ramp



Pedestrian Lighting



Curb Extension

BICYCLE TOOLBOX OF IMPROVEMENTS

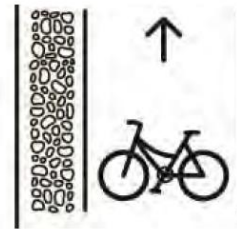


BIKEWAY RECOMMENDATIONS

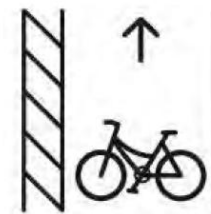
Existing/Proposed

-  Class I Bike Path
-  Class I & II Bike Lane/Path
-  Class II Bike Lane
-  Class II Buffered Bike Lane
-  Class III Bike Route
-  Class III Bicycle Boulevard
-  Class IV Cycle Track
-  Railroad
-  City Boundaries
-  Ward Boundaries

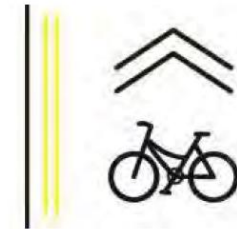
What is a bicycle facility?



Class 1 shared-use path: A shared walking/bicycling path separate from cars



Class 2: A painted bike lane on road - it can have a painted buffer

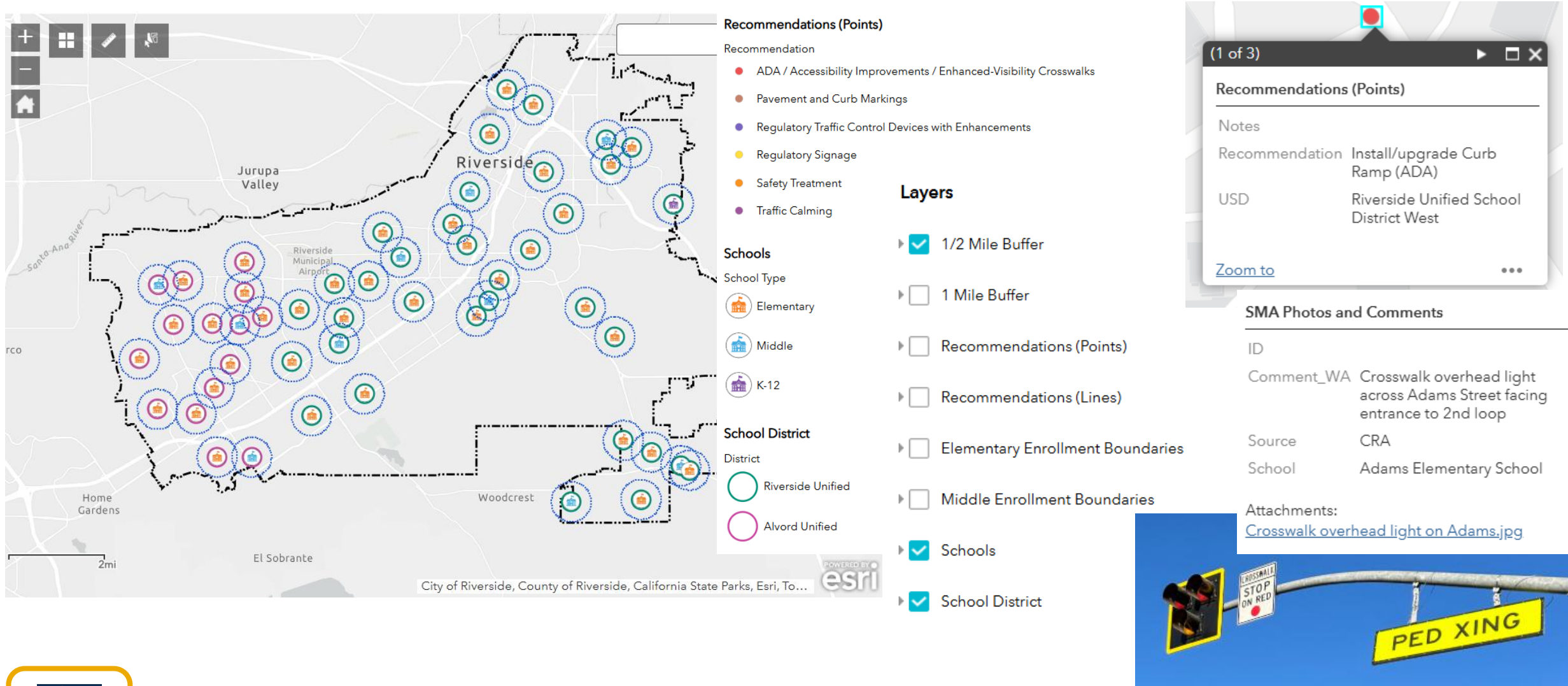


Class 3: When a bicycle and car share the same space. Signage to share the road and this painted sharrow is included.



Class 4: A bike only path that is physically separated from cars

SRTS DASHBOARD

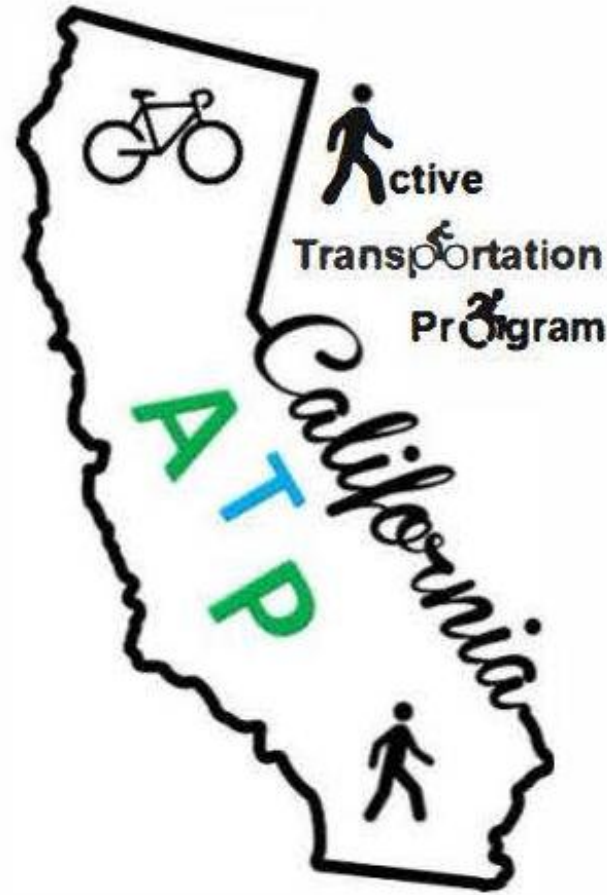


City of Riverside Safe Routes to School (SRTS)

INFRASTRUCTURE GRANT FUNDING APPLICATIONS

ATP – Cycle 8
(June 2026):

1. Jackson ES
2. Pachappa ES
3. Myra Linn ES
4. Patricia Beatty ES
5. University Heights Middle School



2026 SS4A (May 2026):

1. Longfellow ES
2. Magnolia ES



THANK YOU! ANY QUESTIONS?

Philip Nitollama
City of Riverside
City Traffic Engineer

PNitollama@
RiversideCA.gov

Jenny An
CR & Associates
Principal

Jan@
Cramobility.com



<https://riversideca.gov/saferoutestoschool>

