

Making Traffic Safety a Reality: Funding Strategies

June 16, 2021

1:00 – 2:30 p.m.

www.scag.ca.gov



Presentations



Presentation #1: Overview of Regional Conditions, *Go Human* Campaign

Cory Wilkerson, Active Transportation Manager, SCAG

Presentation #2: Available State Funding and Local Road Safety Plans

Robert Peterson, Office Chief, Federal Programs, Caltrans

Presentation #3: Active Transportation Funding

Jonathan Matz, California Senior Policy Manager, Safe Routes Partnership

Presentation #4: SCAG Funding Programs

Hannah Keyes, Senior Regional Planner, SCAG

Overview of Regional Conditions & *Go Human* Campaign

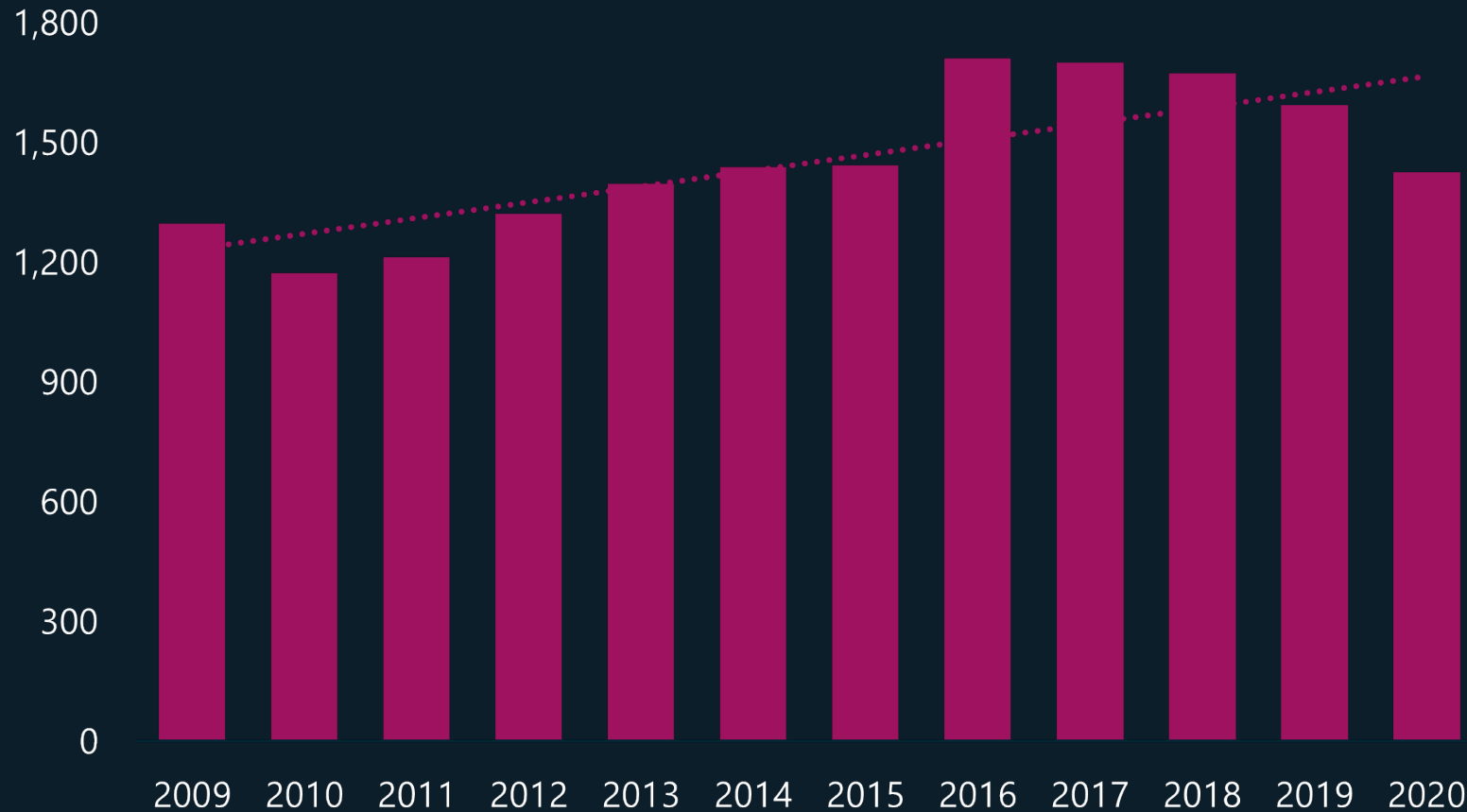
Summer 2021

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What are the overall trends?

SCAG Region Total Number of Fatal Victims



1,450
PEOPLE DIE EVERY YEAR
FROM COLLISIONS

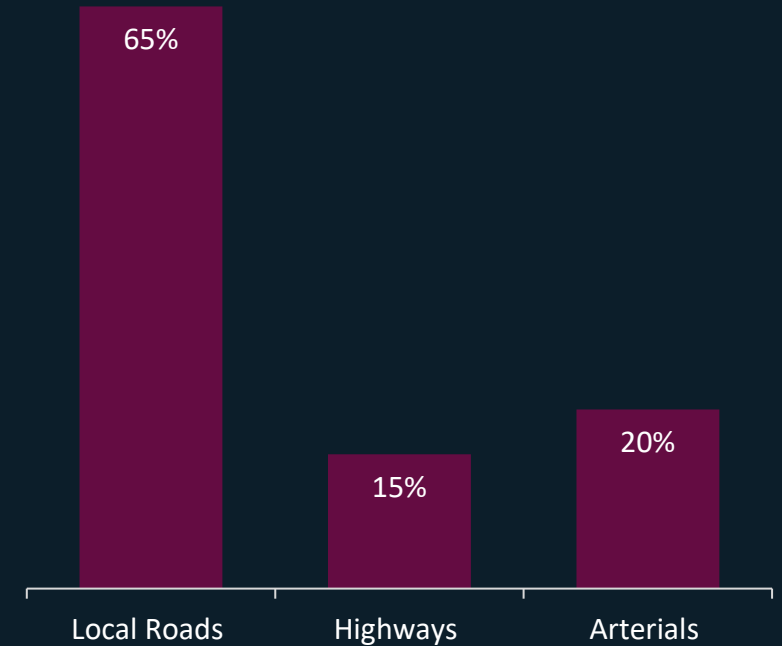
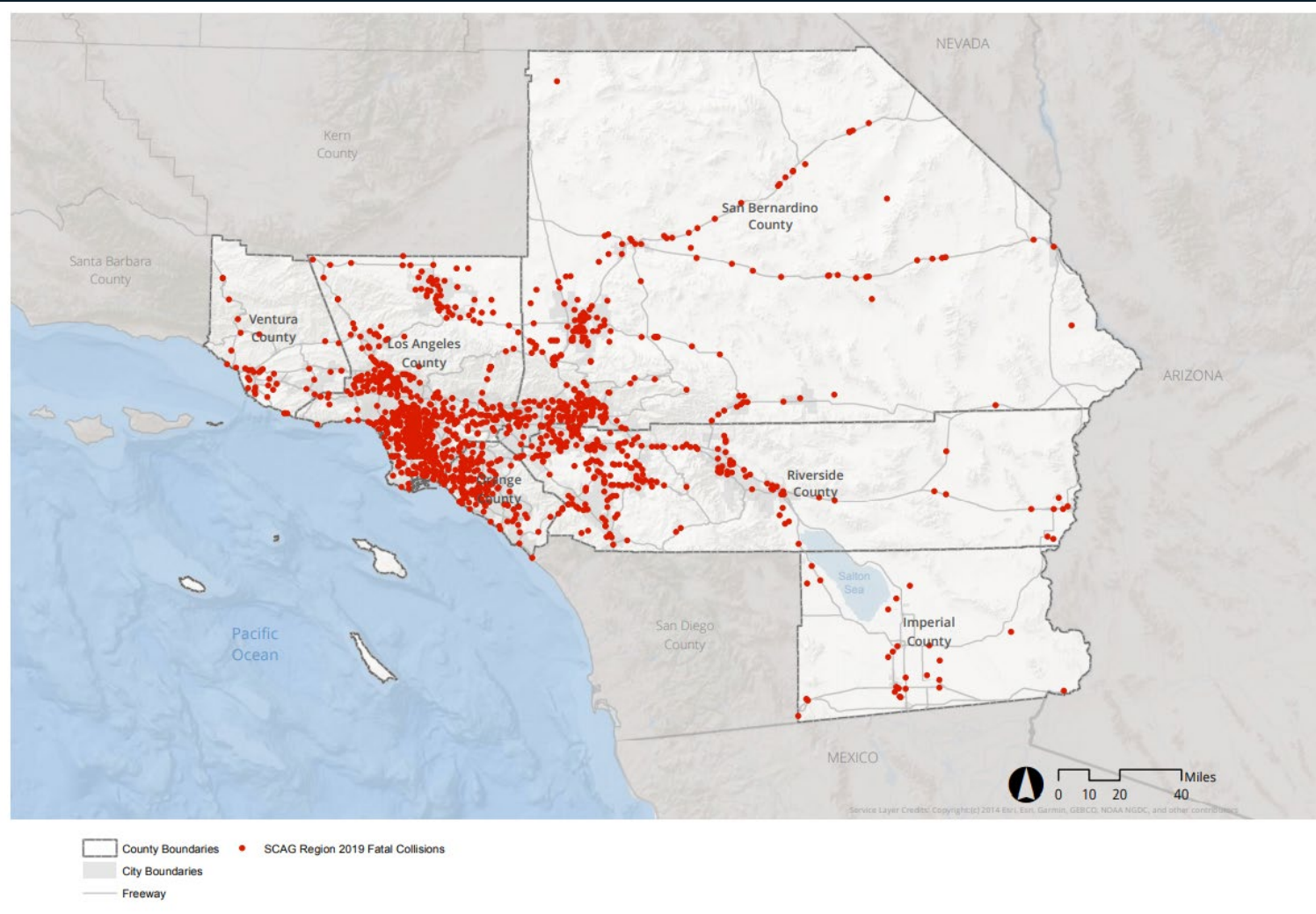
5,500
PEOPLE SUSTAIN SERIOUS
INJURIES EVERY YEAR
FROM COLLISIONS



124,000
PEOPLE SUSTAIN INJURIES
EVERY YEAR
FROM COLLISIONS

Where are collisions occurring?

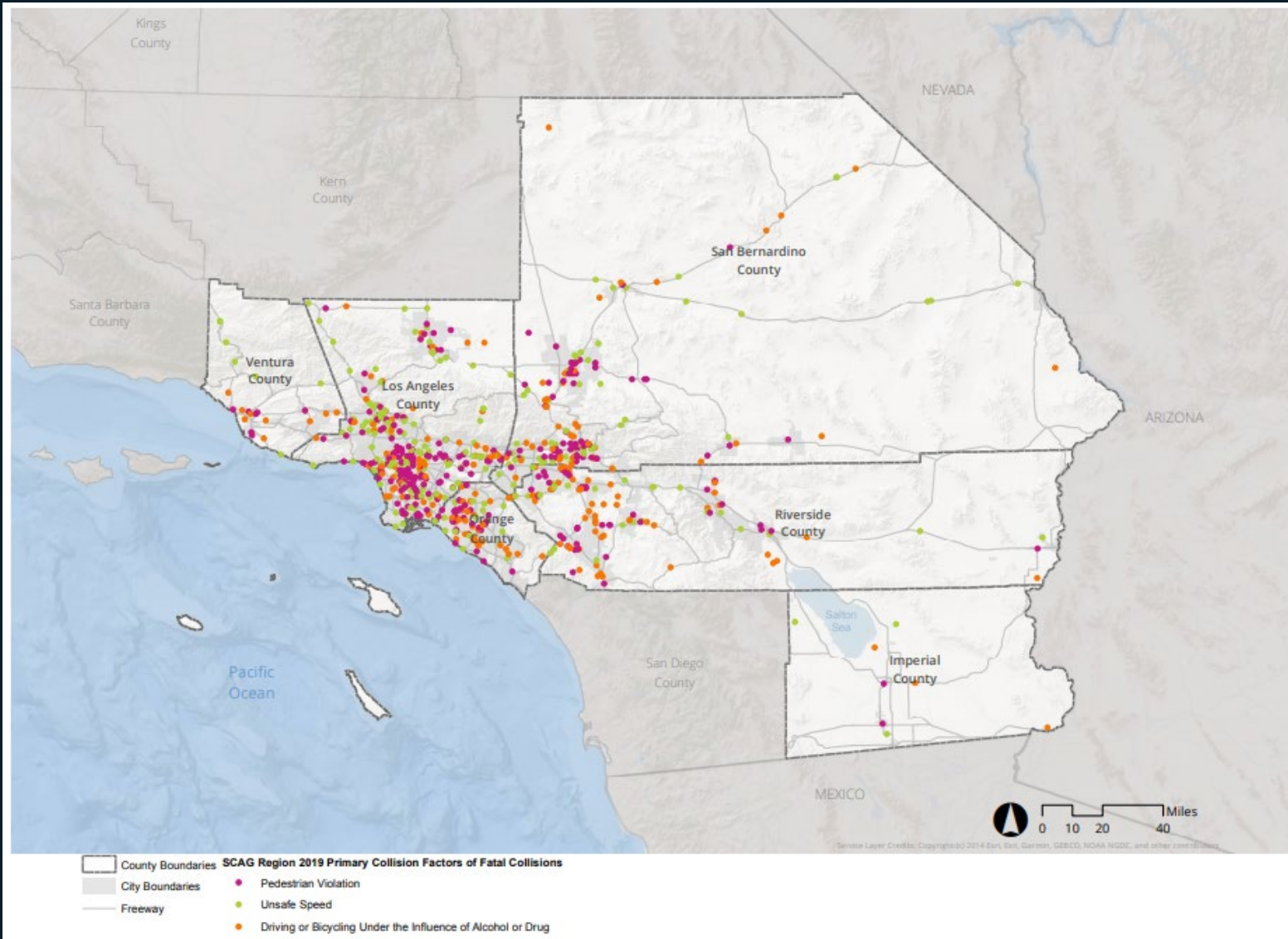
Where Fatal Collisions occurred in the SCAG Region in 2019



77%
OF ALL COLLISIONS OCCUR IN URBAN AREAS



Why are collisions occurring?



Why are collisions occurring?



Speed is the critical factor in the severity of collisions.



HIT BY A VEHICLE TRAVELING AT 25 MPH



HIT BY A VEHICLE TRAVELING AT 35 MPH



HIT BY A VEHICLE TRAVELING AT 40 MPH



Go Human Active Transportation Safety & Encouragement Campaign



Co-Branding & Regional Advertising Campaign



Temporary Safety Demonstrations & Programming



Safety Workshops, Webinars, and Technical Assistance



Go Human Co-branded Safety Materials



Go Human Kit of Parts



Curb Bulb-outs



Artistic Crosswalk



Bike Lane



Median Refuge Island



Parklet

Go Human Community Streets Mini-Grants



- Provides up to \$10,000 to community organizations
- Application closed May 19th
- Announcements this week
- In 2020, SCAG provided over \$210,000 to 28 community-driven projects.

City Fabrick

CX3 COMMUNITY SURVEY

The City of Long Beach would like to hear how COVID-19 has impacted your walking experience in your neighborhood.

TAKE THE 5 MINUTE SURVEY NOW!



Bike Ventura

TRUST South LA

T.R.U.S.T. SOUTH LA CONSEJOS DE SALUD PARA COVID-19

4321 S. Main St.
Los Angeles, CA 90037
323.323.4118

TRUST SOUTH LA

go human

trustsouthla.org

Facebook Instagram Twitter YouTube

Financiado por la Oficina de Seguridades del Estado de California

Go Human Community Ambassadors

- **Participatory & experiential planning and leadership series**
- **3 counties: Imperial, San Bernardino, Ventura**
- **60 Ambassadors, 6 virtual leadership sessions, and 1 local safety activation by each ambassador in the cohort**
- **Ambassadors are compensated**
- **Currently recruiting**
- **Workshops and trainings in progress!**



SCAG's *Go Human* Traffic Safety Peer Exchanges



Traffic Safety Peer Exchanges Events



Wednesday June 9, 1 – 2:30 p.m.

Using Data to Craft a Safety Narrative: High Injury Networks

Wednesday June 16, 1 – 2:30 p.m.

Making Traffic Safety a Reality: Funding Strategies

Tuesday June 22, 1 – 2:30 p.m.

More than a Checkbox: Better Community Engagement

Thursday June 24, 10 a.m. - noon

Traffic Safety is a Public Health Issue: Collaborating to Save Lives

Tuesday June 29, 1 – 2:30 p.m.

Repairing & Investing: Addressing Equity in the Built Environment

Visit gohumansocal.org to register and sign up for the *Go Human* newsletter

Follow *Go Human* on socials @GoHumanSoCal



Available State Funding and Local Road Safety Plans

*Robert Peterson, Office Chief
Federal Programs, Caltrans*

Local Assistance, Highway Safety Improvement Program:
<https://dot.ca.gov/programs/local-assistance/fed-and-state-programs/highway-safety-improvement-program>

Local Highway Safety Improvement Program (HSIP)

For SCAG Traffic Safety Peer Exchanges
June 16, 2021

Robert Peterson, Office Chief

Office of Federal Programs
Division of Local Assistance
California Department of Transportation (Caltrans)



Topics:

- ❖ Local Highway Safety Improvement Program (HSIP);
- ❖ HSIP Cycle 10 Call-for-Projects (2020);
- ❖ Future Calls for Projects;
- ❖ Local Roadway Safety Plan (LRSP).



Highway Safety Improvement Program (HSIP)

- 23 United States Code (USC) 148; 23 Code of Federal Regulations (CFR) Parts 924 and 490.
- The purpose of the HSIP program is “to achieve a significant reduction in traffic fatalities and serious injuries on all public roads, including non-State-owned public roads and roads on tribal land.” (23 USC § 148 (b)(2))
- HSIP projects:
 - Must be based on elements of the Strategic Highway Safety Plan (SHSP);
 - Are identified through a data-driven process;
 - Target identified safety issue;
 - Reduce fatalities and serious injuries.

Local HSIP

- ❖ Local HSIP apportionments: approx. \$81 million per year (2016-2020 average)

National	California	California Local HSIP
\$2.317 billion/year	\$204 million/year	\$81 million/year

Local HSIP



Eligible Applicants:

Any local agency that owns, operates, and maintains the public roadways

- City and County agencies
- Tribal Governments
- Others (reviewed on a case-by-case basis)

Eligible Projects:

Work on publicly owned roadway or bicycle/pedestrian pathway that corrects or improves the safety for users

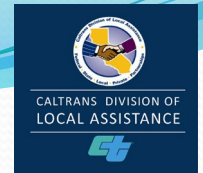
- Prefer projects that can be delivered quickly and have minimal ROW and Environmental impacts.
- Work must be tied to safety countermeasures in the pre-defined lists or be consistent with the set-aside purposes.

Local HSIP

- **10 cycles so far: 1st - 2007; 10th: 2020.**
 - 1856 projects
 - (215 in design/Right-of-Way; 367 in construction; 976 completed).

- **Cycles 5 to 10: \$1.048 billion awarded to 1,346 projects. Expected benefits: \$16.5 billion!**

Cycle	Release Date	Number of Applications	Number of projects selected	HSIP funds approved (\$M)	Average BCR of selected projects
5	10/19/2012	276	221	\$111.3	14.6
6	11/14/2013	389	231	\$150.0	10.7
7	11/12/2015	212	182	\$160.5	16.9
8	11/21/2016	247	225	\$216.9	10.3
9	12/1/2018	351	221	\$181.8	15.5
10	3/30/2021	382	266	\$227.6	24.3
	Total	1,857	1,346	\$1,048.1	15.8



HSIP Cycle 10 Call-for-Projects

- ❖ Nearly 6 months for preparing and submitting the applications: 5/5/20 to 11/2/20 (deadline extended twice due to the impacts of COVID-19 pandemic and wildfires).
- ❖ Submittal of Applications is 100% electronic.
- ❖ Funding availability: approx. \$220 million.
- ❖ Type of funding: state funds
 - State funds made possible through SB 137 funding exchange
Senate Bill (SB) 137, effective October 8, 2019, authorizes Caltrans to allow up to \$100 million of federal local assistance funds be exchanged for non-federal State Highway Account (SHA) funds.
 - Use of state funds is expected to expedite the project delivery.
 - State funds will be used for future calls for projects whenever possible.



HSIP Cycle 10 Call-for-Projects

❖ Application Categories:

- **Benefit Cost Ratio (BCR)**: \$178 million (approx. 80% of the total funding)
 - Minimum BCR for submittal: 3.5.
 - Projects with higher BCRs will be funded.
- **Set-asides**: \$42 million (approx. 20% of the total funding)
 - Sub-categories: (1) Pedestrian Crossing Enhancements, (2) Guardrail Upgrade, (3) Installing Edgelines and (4) Tribes;
 - BCR calculation not required for Set-aside applications.



How to prepare a successful HSIP application?

- **This a technical process. It should be traffic and transportation engineers to complete the applications.**
- **No flaws in the Benefit-Cost-Ratio (BCR) calculation**
 - Do not misuse safety countermeasures;
 - Crash data must be accurate.
- **Maximize the project's benefit**
 - Apply multiple safety countermeasures when appropriate;
 - Develop a systemic safety project when possible (select multiple locations with similar crash pattern & apply same low-cost safety countermeasures).
- **Lower the project's cost**
 - Use low-cost countermeasures when possible (such as rumble strips, pedestrian crossings, warning signs, high friction treatment, etc.)
 - minimize non-safety components.

HSIP Cycle 10 Call-for-Projects

Category	BCR		Set-asides		All	
	App.	\$(M)	App.	\$(M)	App.	\$(M)
Submitted	259	\$368.8	123	\$45.1	382	\$413.9
Selected	147	\$184.6	119	\$43.0	226	\$227.6
Selected /Submitted	57%	50%	97%	95%	59%	55%

➤ **BCR Applications:**

- Average BCR: 14.5; BCR Range: 0.7 to 342;
- BCR cutoff for being funded: 12.0;
- Average BCR of selected applications: 24.3.

➤ **Set-Aside Applications:**

- 119 out of 123 funded. 4 unfunded due to ineligible work.

➤ **SCAG area – funded projects:**

- \$83.4 million (37% of all for Cycle 10)
- 99 projects (44% of all for Cycle 10)

HSIP Cycle 10 Call-for-Projects

Types of Projects:

Intersection Improvements:

- 6 new signals;
- 7 roundabouts;
- Converting 27 signals from pedestal mounting to master arm;
- Installing dilemma zone detection at 306 intersections;
- Providing left-turn phases/lanes or other left turn improvements at 119 intersections;
- Signal hardware improvements for 1,295 intersections;
- Install lighting at 71 intersections;
- Install flashing beacons at 53 intersections;
-



HSIP Cycle 10 Call-for-Projects



Types of Projects:

Ped/Bike Safety Improvements:

- Pedestrian countdown signal heads at 357 intersections;
- Pedestrian hybrid beacons at 17 crossings;
- New sidewalk-3.5 miles combined;
- Bike lanes for 32.9 miles combined;
- Installing Rectangular Rapid Flashing Beacons (RRFBs) at 198 pedestrian crosswalks;
- Leading Pedestrian Interval (LPI) implementation at 604 intersections;
- New or upgrade crosswalks signing and markings at 346 intersections, and
- Other safety enhancements of existing pedestrian crossings at 711 intersections

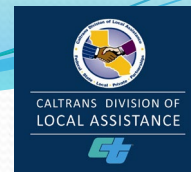
HSIP Cycle 10 Call-for-Projects



Types of Projects:

Roadway Safety Improvements:

- Curve/speed warning signing encompassing 110.3 miles of roadway;
- Install/Upgrade signs with new fluorescent sheeting encompassing 2410.1 miles of roadway;
- High Friction Surface Treatment (HFST) installation for 61.7 miles;
- Rumble strips/stripes for 422.5 miles;
- Install edge/center lines for 596.1 miles;
- Installed raised medians/median barrier for 3.2 miles;
- Install new guardrail or guardrail upgrades for 90.6 miles; and
- Install roadway lighting for 2.5 miles



Future Calls for Projects

- ❖ Calls are normally once every two years.
- ❖ Next call - Cycle 11: to be announced around May 2022.
- ❖ Local Roadway Safety Plan (LRSP) is required for an agency to be eligible to apply in Cycle 11 and future.

Local Roadway Safety Plan (LRSP)

- ❖ **The LRSP is a framework for organizing stakeholders to identify, analyze, and prioritize roadway safety improvements on local and rural roads.**
 - Focus on the 4Es of traffic safety: Engineering, Enforcement, Education, and Emergency Services.
 - Other safety plans such as Vision Zero Action Plan are considered as LRSP-equivalent.
- ❖ **Caltrans provided funding for the LRSP development for 256 local agencies, including 110 within the SCAG. \$1 million funding is still available for new applications.**
- ❖ **In 2016&2017, Caltrans funded 102 Systemic Safety Analysis Report Program (SSARP) projects.**
 - Unlike the LRSP, SSAR focuses on engineering solutions (not all 4Es);
 - Agencies with the SSAR are considered as meeting the LRSP requirement in applying for Cycle 11 funding.

Questions? Thank You.



Local HSIP Website:

<https://dot.ca.gov/programs/local-assistance/fed-and-state-programs/highway-safety-improvement-program>

OR Google search: “CA Local HSIP”

Active Transportation Funding
*Jonathan Matz, California Senior
Policy Manager,
Safe Routes Partnership*

Safe Routes Partnership

<https://www.saferoutespartnership.org/>

California's Active Transportation Program

December 11, 2019

Jonathan Matz
California Senior Policy Manager



**Safe
Routes**
PARTNERSHIP
Active Paths for Equity & Health





About the Safe Routes Partnership

We are a nonprofit organization that advances **safe walking and bicycling** to and from schools, improves the health and wellbeing of **kids of all races, income levels and abilities**, and fosters the creation of **healthy communities for everyone.**



6 E's of SRtS

1. Education
2. Encouragement
3. Engineering
4. Enforcement
5. Evaluation
6. Equity





**California's
Active Transportation Program**

Background

Created in 2013 to consolidate several streams of state and federal funding available to communities in California to fund active transportation projects.

Competitive grant program run every two years.

The purpose of the ATP is to encourage increased use of active modes of transportation by achieving the following goals:

1. Increase the proportion of trips accomplished by biking and walking
2. Increase safety and mobility for non-motorized users
3. Advance the active transportation efforts of regional agencies to achieve greenhouse gas (GHG) reduction goals
4. Enhance public health
5. Ensure that disadvantaged communities fully share in the benefits of the program
6. Provide a broad spectrum of projects to benefit many types of active transportation users

Types of Projects Funded

1. Plans: Funds to develop an Active Transportation; Bike; Pedestrian; or Safe Routes to School plan in a disadvantaged community
2. Non-Infrastructure: Funds to run education/ encouragement programs, usually but not exclusively focused on schools.
3. Small Infrastructure*: Funds to build sidewalks, bike lanes, crosswalks, and other biking and walking infrastructure, with projects costing less than \$1.5 million
4. Medium Infrastructure*: Same type of projects as small infrastructure, but for projects costing \$1.5 million - \$7 million, and
5. Large Infrastructure*: Same type of projects as small infrastructure, but for projects costing more than \$7 million.

How the Selection Works

California Transportation Commission (CTC) writes the guidelines for the program and runs the competitive grant cycles. The California Department of Transportation (CalTrans) local assistance division administers the grants after they have been awarded.

All ATP applications are scored on a scale of 100 points, with funding awarded according to application score until all available funds have been allocated.

50% of funds are for the Statewide Competition.

40% for 10 largest Metropolitan Planning Organizations (including Tulare COG)

10% for Small Urban/Rural

In cycle 5, applicants can apply directly to their MPOs

Competitiveness and Funding

- SB 1 (2017) added \$100 million/year (or \$200 million/cycle)
- \$430 million available per cycle (Cycle 4: \$2.27 Billion requested)
- Cycle 4 median request: \$2.07 million (Median successful grant: \$2.72 million)
- Cycle 4: 11% of applications successful in the Statewide competition (Cut-off score: 89)

Focus on Disadvantaged Communities

- **Statute: At least 25% of funds must go to Disadvantaged Communities**
- **How does a community qualify as disadvantaged?**
 - **Eligibility for FRLP**
 - **Area Median Income**
 - **CalEnviroScreen**
 - **Regional DAC Definitions (status in Cycle 5 uncertain)**
 - **Tribal Areas**

10 DAC points available (6 for coverage, 4 for severity). Tribes automatically receive all 10 points.

What is evaluated in an ATP grant?

- Disadvantaged Communities
- Potential to Increase Walking and Biking/Public Health
- Potential to Reduce Collisions
- Public Participation & Planning
- Context Sensitive/Innovation
- Leveraging Funds
- Scope & Plan Consistency

Safe Routes Partnership and the ATP

- **ATP Technical Advisory Committee**
 - **Subcommittees: Counts, Noninfrastructure, Plans, Quick Build**
- **Guidelines and Applications Workshop**
- **Technical Assistance**
 - **Started in Cycle 4**
 - **Published ATP Guide last year**
 - **Webinar series**
 - **In Cycle 5, working with 6 applicants**
 - Barstow
 - Muscoy
 - El Cajon
 - Tule River
 - Kingsburg
 - Sonoma

ATP in Tule River

- **Reservation Road Project**
- **Youth Count Grant**



ATP Cycle 5

Draft ATP Cycle 5 Timeline

- **November 2019:** Guidelines and Scoring Workshops Begin
- **January 29, 2020:** Draft ATP Guidelines Presented to the Commission
- **March 25, 2020:** Call for Projects
- **May or June 2020:** Commission approves or rejects MPO Guidelines
- **June 15, 2020:** Project applications DUE (postmarked)
- **October 2020:** CTC Staff rec's for Statewide and Small Urban/Rural
- **December 2020:** Commission adopts statewide and small urban/rural components
- **January 2021:** MPO Draft Recommendations
- **March 2021:** MPO Final Recommendations

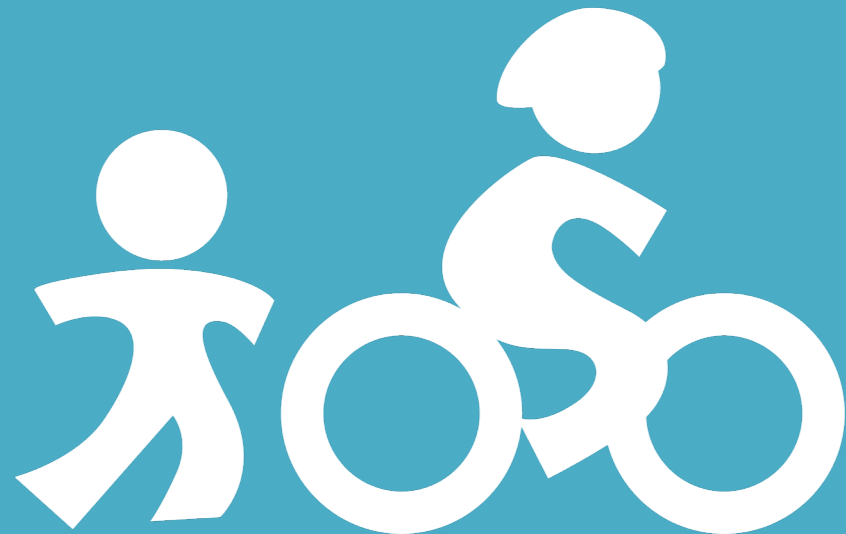
Contact Information

Jonathan Matz, California Senior Policy Manager
jonathan@saferoutespartnership.org

www.saferoutespartnership.org
www.saferoutescalifornia.org

 [Facebook.com/saferoutesca](https://www.facebook.com/saferoutesca)

 [@saferoutesca](https://twitter.com/saferoutesca)



SCAG Funding Programs

Hannah Keyes, Senior Regional Planner, SCAG

SCAG Funding Opportunities

<https://scag.ca.gov/get-involved-grant-opportunities>

Safety Funding Strategies

SCAG Sustainable Communities Program and
Grant Writing Best Practice

Hannah Keyes

Mobility Planning & Management

June, 2021

www.scag.ca.gov





2020-2021

Sustainable Communities Program

CALL FOR APPLICATIONS



Sustainable Communities Program Overview

Since 2005, the Southern California Association of Governments (SCAG) has provided resources and direct technical assistance to local jurisdictions via the Sustainable Communities Program (SCP).

The 2020 SCP provided local jurisdictions with three opportunities to access funding and resources to meet the needs of their communities, address recovery strategies considering COVID-19, and support regional goals.

Of the 195 projects funded since 2013 through SCAG's Local Implementation efforts, 109 projects have been completed as of FY20, totaling approximately \$15M. Additionally, by the end of FY22/23, 86 projects are anticipated to be completed, totaling approximately \$15M.

SCP Program Goals

- Provide needed planning resources
- Promote, address and ensure equity
- Encourage strategies to reduce VMT and GHG emissions
- Implement strategies in Connect SoCal
- Support Connect SoCal Key Connections
- Support regional resiliency
- Increase funding to the region

SCP Active Transportation & Safety (AT&S) Call Overview



- The 2020 AT&S Call for Applications included \$4.7M (ATP and SB1) with three main project categories.
- SCAG selected eleven Active Transportation & Safety projects. Following CTC adoption and allocation, awarded applicants will receive technical assistance from SCAG.

Community
Wide or Area
Plans

Quick Build
Projects

Network
Visioning &
Implementation

SCP Active Transportation & Safety Goals

Prioritize historically disinvested communities of color

Increase the proportion of trips accomplished through active transportation

Increase safety and mobility of people using active transportation

Prioritize alignment and implement strategies in Connect SoCal

Foster jurisdictional collaboration and support

Seed active transportation concepts and increase funding to the region

Active Transportation & Safety Project Types	
Project Type	Project Examples
Community or Area Wide Plans	<ul style="list-style-type: none">• Active Transportation Focused Plans<ul style="list-style-type: none">• City - wide Active Transportation Plan• Transportation Safety Focused Plans<ul style="list-style-type: none">• Vision Zero Action Plan
Quick Build Projects	<p>Interim Capital Improvement Projects</p> <ul style="list-style-type: none">• Protected bike lanes• Scramble cross - walks• Bulb outs and curb extensions
Network Visioning & Implementation	<p>Network Assessment and Quick Build Implementation</p> <ul style="list-style-type: none">• Active Transportation Network Vision Planning• Quick Build Project Implementation

Active Transportation & Safety Example Project Types



Transportation Safety
Focused Plans



City - wide
Active Transportation
Plans



First/Last Mile
Plans



Local Road Safety or
Safe Systems Plans



Network Visioning &
Implementation

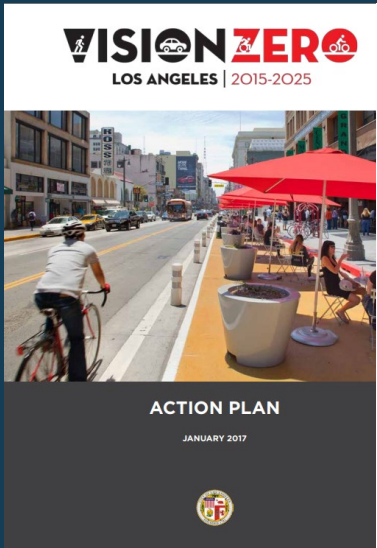


Pedestrian Master
Plans



Quick Build Projects

SCP Project Examples



Upcoming Opportunity - SCP Civic Engagement, Equity & Environmental Justice Call for Applications

Example civic engagement project types with a safety and transportation component



Arts, Culture & Design



Safety & Community



Local Campaigns & Organizing



Parks, Green, Open, and Public Space



Climate Action & Resilience



Community Healing & Repair

Go Human Support

- SCAG encourages applicants to include *Go Human* resources into applications to support community engagement
 - Kit of Parts
 - Safety co-branding



How do you make your application stand out in the pile?



Use community-based planning strategies.

- Community Outreach vs Community Engagement
 - Who identified the project?



Use community-based planning strategies.

- Walk/Bike Audits



Identify the project location.

- Use the data tools available to identify the project location based on need:
 - **Disadvantaged Communities**
 - Cal Enviro Screen
 - School Enrollment Boundaries
 - Median Household Income
 - Environmental Justice Areas/Communities of Concern
 - **Health Disparities**
 - Healthy Places Index
 - **Collision Patterns**
 - High Injury Network
 - TIMS
 - OTS Rankings

Collect additional location specific feedback.

- Community Events
 - Demonstrations
 - Go Human Kit of Parts



Design your project first based on the needs.

- Address Needs?
 - Safety Countermeasures?
 - Community Concerns?
- Health Impacts?
- Students?



Set your project up to be a success.

- Transformative?
 - Is the project sexy?



Final touches.

- Consider adding Non - infrastructure to an Infrastructure Project
 - Education Programs
 - Demonstration Events
 - Community walks or rides



Now you just need to write the application.

- Scoring Rubrics:
 - Most grant programs have a scoring rubric available
 - The rubric is your best friend!

- Tell a story!
 - Remember your audience

Thank You!

Hannah Keyes

keyes@scag.ca.gov

(213) 236- 1887

www.scag.ca.gov



Breakout Session

○ Learning Objectives

- How to obtain funding for safety programs and projects
- Tips on what makes a successful funding program and how to overcome barriers to submitting requests for support

○ Session Purpose

- How can you apply this information to your community?

Breakout Session Questions

- What did you hear today that made you think submitting a funding request would be possible for a safety program or project in your community?
- What programs or projects do you think would be good to submit for funding in your community?
- What are some of the obstacles that could prevent you from submitting a funding request?

SCAG's Go Human Traffic Safety Peer Exchanges Evaluation Survey:

<https://bit.ly/SCAGExchangeSurvey>

Sign up for another!

<https://scag.ca.gov/traffic-safety-peer-exchange-events>

We will be posting recordings here:

<https://scag.ca.gov/go-human-safety-resources>

Upcoming Events



Date	Time	Topic
6/22	1 p.m.	More Than a Checkbox: Better Community Engagement
6/24	11 a.m.	Traffic Safety is a Public Health Issue: Collaborating to Save Lives
6/29	1 p.m.	Repairing and Investing: Addressing Equity in the Built Environment

Contact the Project Team

SCAG

Courtney Aguirre

aguirre@scag.ca.gov

Cambridge Systematics

Pam Beer

pbeer@camsys.com

For more information

[Traffic Safety Peer Exchange Events - Southern California Association of Governments](#)

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