

Local HSIP Cycle 9 Results and Upcoming Cycle 10 & Systemic Safety Analysis Report Program (SSARP)



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Outline:

- Local Highway Safety Improvement Program (HSIP);
- Systemic Safety Analysis Report Program (SSARP);
- HSIP Cycle 9 Call-for-Projects;
- HSIP Cycle 9 Applications from SSARP.

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

- ❖ Project selection:
 - ❖ Benefit Cost Ratio (BCR);
 - ❖ Funding set-asides.



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

- **9 cycles:** 1st - 2007; 9th: 2018.
- **Cycles 4 to 9:** project selection – data driven. \$895 million awarded to 1,259 projects. 308 completed/321 in construction.

Cycle	Release Date	Number of Applications	Number of projects selected	Federal funds approved (\$M)	Average BCR of selected projects
4	2/23/2011	357	179	\$74.5	7.9
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
	Total	1,832	1,259	\$895.0	12.9



Systemic Safety Analysis Report Program (SSARP) – to be replaced by LRSP

- Up to \$250,000 for one agency; up to \$500,000 for a joint application (two or more agencies);
- The intent was to assist local agencies in performing a collision analysis, identifying safety issues on their roadway networks, and developing a list of systemic low-cost countermeasures that can be used to prepare future HSIP and other safety program applications.

SSARP vs LRSP

- Why not stay with SSARP?
 - SSAR had limited requirements
 - Does not include partnerships
 - No public outreach was necessary
 - No discussion of existing efforts
 - No evaluation and / or implementation
 - No enforcement or education discussion

SSAR vs LRSP

LRSP Component	SSARP	Vision Zero
Strategic Planning	Green	Green
Partnerships	Red	Green
Public Outreach	Yellow	Green
Discussion of Existing Efforts	Yellow	Yellow
Systematic and Data-Driven Approach	Green	Green
Evaluation and Implementation	Red	Green



Likely Consistent with LRSP Guidelines

Potentially Inconsistent with LRSP Guidelines, Depending on Scope of Safety Plan

Likely Inconsistent with LRSP Guidelines

HSIP Cycle 9 Call-for-Projects

Applications received and project selection

	Applications	Funds (\$M)
Total	351	\$418.4
Funded	221	\$181.8
Funded/Total	63.0%	43.5%

- 34 applications disqualified (i.e. with fatal flaws):
 - 30 BCR applications (crash data misused; calculation error; ADA project; previously funded project; document incomplete; bridge project, etc.)
 - 4 SA applications (signal project; >1 per category; location not eligible; etc.)

HSIP Cycle 9 Call-for-Projects



Types of Projects:

Intersection Improvements:

- New signals: 11 locations
- Converting signal to master arm: 23 locations
- Roundabouts: 2 locations
- Signing/marketing upgrades: 307 locations

Ped/Bike Safety Improvements:

- 463 -Ped Countdown heads
- 23 -Hybrid Beacons (HAWKS)
- 53 -New Crosswalks
- 54 -Rectangular Flashing Beacons
- 215 – Leading Pedestrian Intervals
- 1,221 – Signing and marking enhancement at existing crosswalks

HSIP Cycle 9 Call-for-Projects

Types of Projects:

Roadway Safety Improvements:

- 226 miles – Roadway safety sign audits
- 134 miles – advance curve warning signing
- 6.3 miles – high friction surface treatment (HFST)
- 48.7 miles – rumble strips/ stripes
- 286 miles – edge line / centerline striping upgrades
- 70 miles – guardrail upgrades



HSIP Cycle 9 Call-for-Projects

- 79 applications from SSARP:
 - Only 1 has fatal flaw.
 - 14 set-aside applications (\$4.3 M): all selected for funding.
 - 65 BCR applications: 2/3 selected for funding.

BCR Applications: All vs. SSARP

Category	All			SSARP		
	App.	\$(M)	Average BCR	App.	\$(M)	Average BCR
Submitted	265	\$382.3	9.8	65	\$96.8	12.4
Selected	139	\$149.1	15.5	44	\$56.4	17.3
Selected /Submitted	52.5%	39.0%		67.7%	58.3%	



Upcoming HSIP Cycle 10 Call-for-Projects

- Many SSARPs will be completed and anticipated that information will be used for cycle 10
- Four months for preparing and submitting the applications: 4/20 to 8/20;
- Funding: TBD
- Submittal of Applications:
 - Application form is a savable PDF file;
 - The submission is electronic (paperless);
 - All required data fields and attachments must be provided.



HSIP Cycle 10 Call-for-Projects

- Likely will have a set aside similar to last 2 cycles
 - Ped Crossing
 - MBGR
 - Tribal
- LRSP or equivalent will be recommended
- Priority will be given to local agencies that have an approved plan



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

Or

- **Google search: “CA Local HSIP”**