



# Call for Safety Projects Workshop

**MAG FY2020-2024 TIP**

October 8, 2019

Teri Kennedy & Margaret Herrera



## MAG Staff

- ❖ Margaret Herrera
- ❖ Teri Kennedy
- ❖ Mohammad Shaheed
- ❖ Steve Tate

A screenshot of a spreadsheet titled "Transportation Projects" with columns for "Project Name", "Project Location", "Status", "Start Date", "End Date", "Funding", "Project Size", "On-Time Project", and "In-Service/Projected". The spreadsheet contains several rows of data, with some cells containing images of transportation infrastructure. Below the spreadsheet is a purple banner with the text "FY 2018-2022 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)". The banner also features the "50th Anniversary" logo for the Maricopa Association of Governments (1967-2017), the slogan "ON THE MOVE PARTNERS IN PROGRESS", and the "REGIONAL PARTNERSHIP" logo. The date "June 2017" is displayed in the bottom right corner of the banner.

1. General Information, FAST Act & Funding (Teri)
2. Schedule
3. Project Types, General Eligibility
4. Applications & Technical Evaluation
5. Program Eligibility (Margaret)
6. Background & STSP
7. Strategies, Goals, Considerations, Examples
8. Safe Routes to School, and Roadway Safety Program
9. Administration, history of the programs
10. Questions & Answers (Margaret & Teri)



<http://www.fhwa.dot.gov/fastact/>

- December 4, 2015, President Obama signed the [Fixing America's Surface Transportation \(FAST\) Act](#) (Pub. L. No. 114-94) into law.
- The first federal law in over a decade to provide long-term funding certainty for surface transportation infrastructure planning and investment (through 2020).
- Continues the **Congestion Mitigation and Air Quality Improvement Program (CMAQ)** and **converts the long-standing Surface Transportation Program (STP) into the Surface Transportation *Block Grant* Program (STBGP)**; that includes a set-aside of STBGP funding for **Transportation Alternatives** activities.

**Table 4d**

**FHWA Sub Allocated Funding Summary:  
September 2019**

In YOE U.S. millions \$.

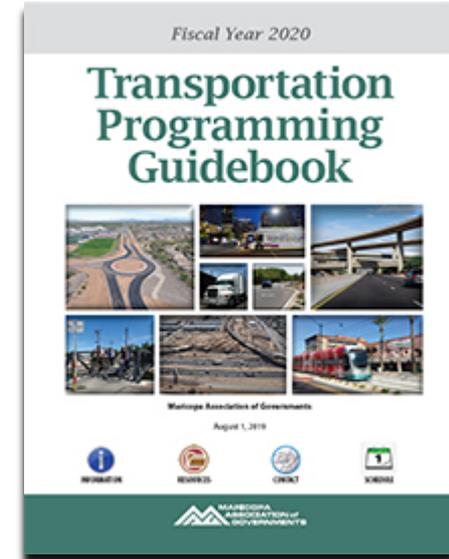
**Safety Programs**

Year	RSP**	Transportation Alternatives Urban & Non-Urban SRTS	Grand Total For Progamring
2020	2.20		2.20
2021	2.28		2.28
2022			.00
2023		.49	.49
2024		.42	.42
	4.47	.92	5.39

\*Includes Special one time allocation of HIP funding for years 2018, 2019, 2020. Redistributed for Call For Projects.

\*\*New program area, Regional Council approved, September 2019. STBGP to exchange for HURF.

Denotes previously programmed or no funding included during this Call For Projects.



## Competitive FHWA Federal Fund Programming FY2020-2024 TIP

### 2019

September	26	Issue Call For Projects
October	8	<ul style="list-style-type: none"> <li>• <b>Workshop on RSP &amp; TA SRTS Applications, 10 a. m. – noon – Ironwood Room, 2nd Floor MAG.</b></li> </ul>
	29	<ul style="list-style-type: none"> <li>• <b>10 a.m. - 2 p.m., MAG Saguaro Room, Open Working Group – RSP &amp; TA SRTS Fund Project Applications</b></li> </ul>
November	4	<ul style="list-style-type: none"> <li>• <b>Monday, November 4th: 10:00 A.M. - Due Date and Time, signed Project Applications due to MAG. <u>Late Applications will not be accepted.</u></b></li> </ul>
	7	<ul style="list-style-type: none"> <li>• <b>Applications posted to Website at 3 p.m.</b></li> </ul>

# Competitive Safety Fund Programming FY2020-2024 TIP

<b>November</b>	18	Questions and Comments on RSP & TA SRTS applications by the Transportation Safety Committee are DUE.
	19	Transportation Safety Committee: Presentations. Technical Review of Roadway Safety Program and TA SRTS Studies and SRTS Support Activity funding applications. Action taken on a recommended list of RSP and SRTS projects. <b>Extended meeting time: 10:00 a.m. to 4:00 p.m., 2<sup>nd</sup> Floor, Ironwood Room</b>
<b>December</b>	12	TRC: Review prioritized listing of FY 2020, 21 RSP and FY 2023, 24 TA-MAG non infrastructure SRTS projects.

## 2020

<b>January</b>	8	MC: Review prioritized listing of FY 2021, 22 TA-MAG non infrastructure SRTS, PM-10/2.5 Paving, STBGP Arterial/Bridge projects.
	15	TPC: Review prioritized listing of FY 2021, 22 TA-MAG non infrastructure SRTS, PM-10/2.5 Paving, STBGP Arterial/Bridge projects.
	29	<b>RC: Review prioritized listing of FY 2021, 22 TA-MAG non infrastructure SRTS, PM-10/2.5 Paving, STBGP Arterial/Bridge projects.</b> Data sent to GIS for mapping.

# Project Types:

- **Roadway Safety Program** in FY 2020 - \$2,196,174, in FY2021 - \$2,276,403 in RSP-MAG funds
- **Transportation Alternatives Non-Infrastructure Safe Routes to School Studies** in FYs 2023, 2024 - \$394,515, and \$322,112 respectively in federal STBGP: TA-MAG funds.
- **Transportation Alternatives Safe Routes to School – Support Activity Projects** in FYs 2023, 2024 - \$100,000 each year in federal STBGP: TA-MAG funds.



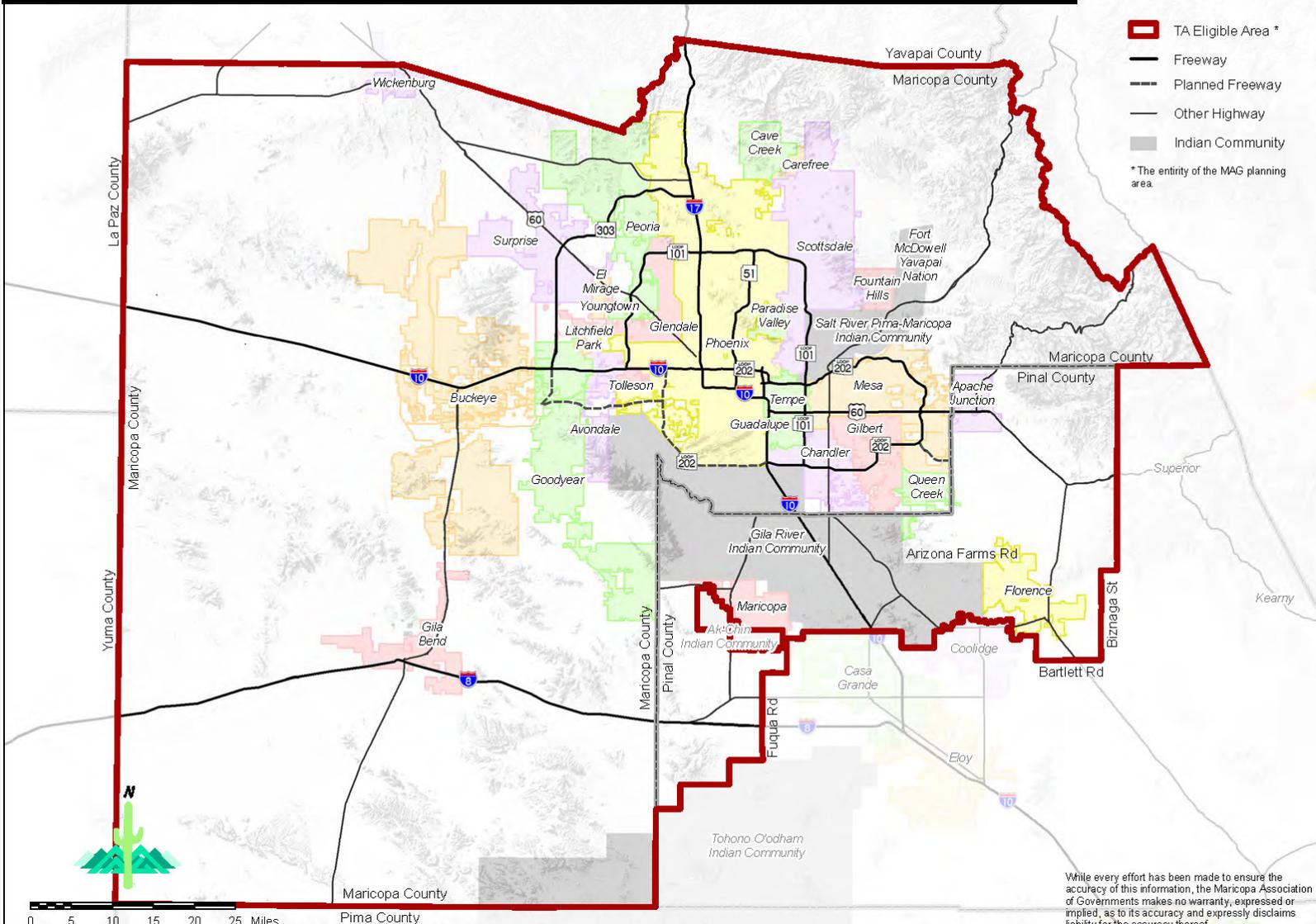
## Roadway Safety Program

- MAG planning region, applicant must be a member of MAG.
- Agency designated; collector and up.

**Transportation Alternatives non-infrastructure eligible project area: Safe Routes to School** Studies & Support Activities.

- Anywhere in the MAG planning region, and applicant must be a member of MAG.

# RSP & SRTS Application Area

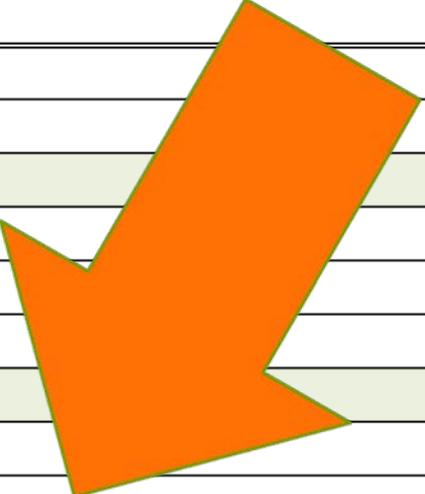


While every effort has been made to ensure the accuracy of this information, the Maricopa Association of Governments makes no warranty, expressed or implied, as to its accuracy and expressly disclaims liability for the accuracy thereof.

## 2. Local Agency Contact Information (Joint Application):

Applications that include Studies for one or more schools located either in part or entirely in another jurisdiction must be endorsed by that local agency. Please select the Endorsing Local Agency below and obtain their signature(s) to complete Part F. Please select up to three (3) Local Agency (endorsing agency) name(s) by selecting from the drop down box provided next to "Local Agency". Once the Local Agency is selected, the appropriate contact information will automatically populate for you based on your selection. (See Note below)

Local Agency Contact #1	Local Agency:	
	Contact Name:	
	Phone Number:	
	E-mail Address:	
Local Agency Contact #2	Local Agency:	
	Contact Name:	
	Phone Number:	
	E-mail Address:	
Local Agency Contact #3	Local Agency:	
	Contact Name:	
	Phone Number:	

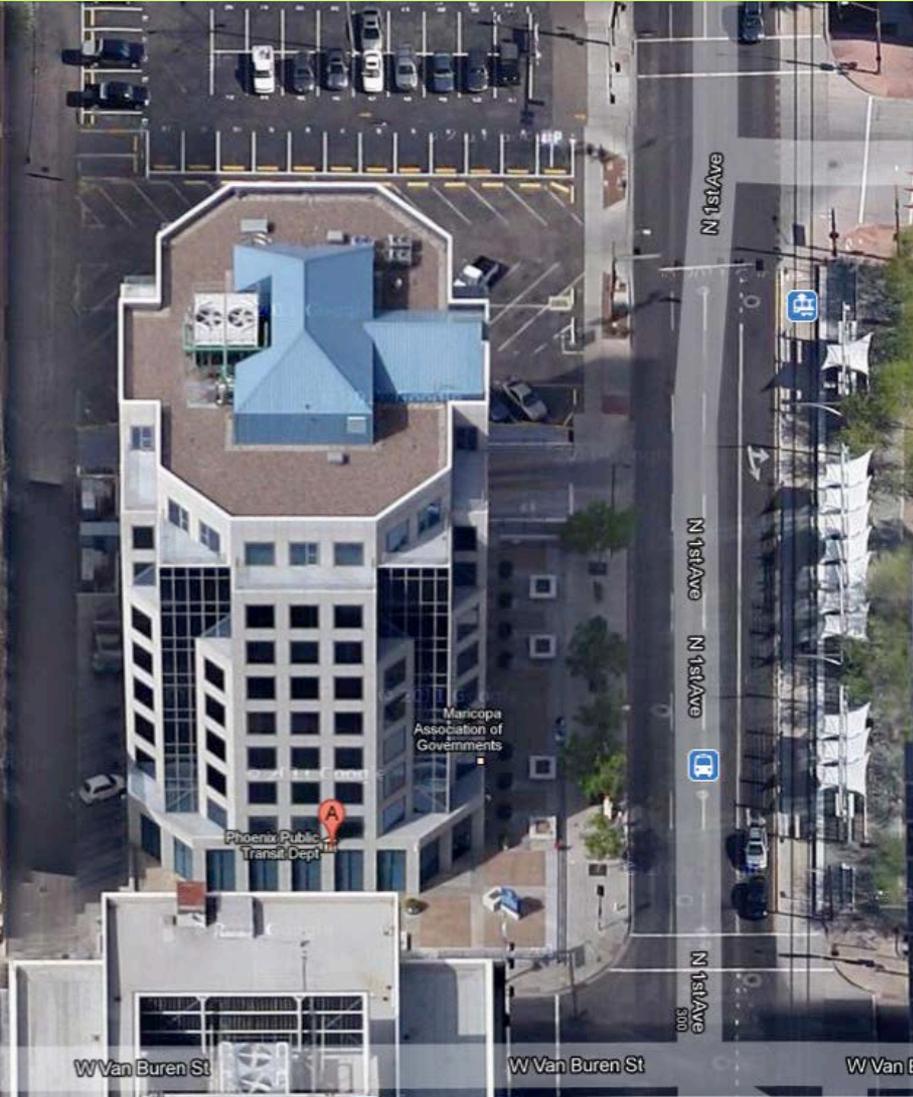


### All Applications:

- Required:
  - Cost estimate (budget worksheet included)
    - ADOT Admin Fee is required for SRTS Support Activities projects; see fee schedule In each application.
    - Contingency
- Requested MAG Programming –
  - **RSP**: Select which year (2020 or 2021) is your first preference. (10% match\*)
  - **SRTS**: Select year (2023 and/or 2024).
- Federally funded work phase match is **94.3-5.7%\***



# Maps

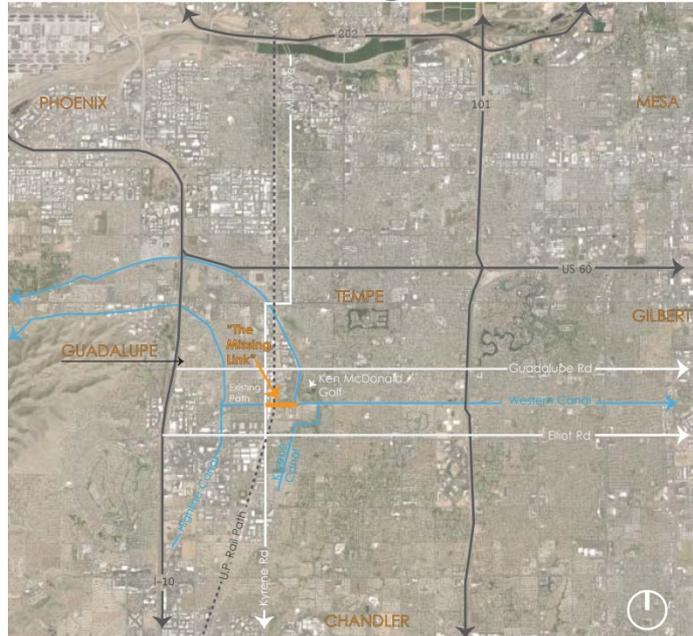


Give the viewer a sense of where the project is located

- Condition of the surrounding area
- If possible, use aerial imagery
- Google maps – it's Free!
- [www.google.com/maps](http://www.google.com/maps)

## Relational Map

### The Missing Link



## Segment Detail Map

Attachment 2 - Western Canal Path/The Missing Link



**Who** is the jurisdiction's manager/administrator or designated representative?

- A jurisdiction's manager/administrator is the City/Town/Agency/Community Manager. A designated representative of a jurisdiction is an employed staff person of the jurisdiction designated by the chief administrator to sign MAG funding request documents on behalf of that jurisdiction.

1. Transmit Application electronically – Submit 1 excel format ***GIS shape files of project are appreciated.***
2. Submit 1 PDF format signed copy, with applicable attachments

### **Early apps appreciated!**

- Roadway Safety Program Applications: [rsp@azmag.gov](mailto:rsp@azmag.gov)
- TA non-infrastructure SRTS: [srts@azmag.gov](mailto:srts@azmag.gov)

**Monday, November 4, 2019 10:00 A.M.**

**Late applications will not be accepted**

- MAG Staff will insure that **applications received are complete**. Basic eligibility review will be completed and then applications will be **posted to website**.
- Applicants will receive a receipt that their applications was received and was complete or incomplete.
- MAG Transportation Safety Committee will **review applications prior to the meeting**.
- At the Transportation Safety Committee meetings, **each applicant will present their project(s)** with a pre-generated powerpoint that is composed of photos and graphics from their application. Each applicant will have not more than 5 minutes with a 5 minute Q and A by the committee. *Presenters must be agency staff; no consultants.*

## Transportation Alternatives MAG Regional Goals (Non-infrastructure):

1. Support SRTS Studies that would identify needed improvements on walking/biking routes to k-8 schools; provide walking/biking route maps.
  2. Support bike and pedestrian activities that promote safe transportation for k-8 students to schools or address an identified or perceived safety issue on routes to k-8 schools.
  3. Engage Stakeholders (community/partners) in supporting non-infrastructure programs, thereby ensuring sustainable programs.
- Projects that use TA non-infrastructure funding include Safe Routes to School Eligible Activities such safety planning and support for bike and pedestrian activities.

### For each applicant, the Transportation Safety Committee will determine the following:

- **Project definitional adequacy.** The committee will determine that the project is defined in sufficient detail to support the improvement, and the data is accurate. The project is free from fatal flaws (e.g. commitment to maintain or operate, or adequate budget is included) that would prevent it from being implemented.
- **Schedule adequacy.** The committee will determine that the schedule laid out for the project, including locally funded work phases is reasonable and adequate for the year the project is requested to be authorized.
- **Cost estimate adequacy.** The committee will determine that cost estimates for projects is reasonable, accurate and account for all work phases (e.g. preliminary engineering, specifications, procurement, etc. as appropriate) necessary to complete the project.
- **Equity.** The committee will determine, based on information provided in the applications, the degree to which the projects serve residents of the Communities of Concern within the agency's area. [High concentration of seniors, those living in households with no motor vehicles, people with disabilities, racial minorities, and people living in poverty.]
- **General.** The committee will determine the overall quality of the project proposed for the associated area. Does the proposed project bring value to the surrounding community? Has the project been included in studies, evaluations, and/or public outreach?

# For each project type, the evaluation will use the following:

### Safe Routes to School Evaluation Criteria

- Title 1 school(s), Five E's, Safety Criteria, Project sustainability

### Roadway Safety Program Evaluation Criteria

- Crash Modification Factor(s) (CMFs), Benefit-Cost Ratio, Crash Rate



<http://srts.azmag.gov>

## Safe Routes to School (SRTS)

### FY 2023 AND 2024 TA SRTS CALL FOR PROJECTS

On September 26, 2019, MAG issued a call for Transportation Alternatives – Safe Routes to School project applications. Member agencies are invited to submit applications, in partnership with local K-8 schools. MAG allocates approximately \$400,000 per year to fund qualifying Safe Routes to School (SRTS) projects that would involve ONLY non-infrastructure projects. Once the call for projects is issued, the excel format applications for Priority One: SRTS Studies, and Priority Two: SRTS Support Activity projects will be available for download below.

#### FY 2023 & 2024 TA SRTS Applications and Resources

- [SRTS Studies Application](#)
- [SRTS Support Activity Application](#)
- [Example of a SRTS Study](#)
- [Example of a SRTS Studies Scope](#)
- [Local Agency SRTS Contacts](#)
- [Transportation Alternatives Non-Infrastructure Goals and Objectives](#)

#### FY 2023 & 2024 TA SRTS Applications submitted by November 4, 2019 – Coming Soon

If there are any questions, please contact Margaret Herrera at [mherrera@azmag.gov](mailto:mherrera@azmag.gov) or at (602) 254-6300.

**10**

Number of Projects in FY 2018

**\$461K**

Total Funding for FY 2018 Projects

**39**

Number of Projects from FY 2017 - FY 2022

**\$2M**

Total Funding for FY 2017 - FY 2022 Projects

<http://www.azmag.gov/rsp>

[Programs](#) / [Transportation](#) / [Safety Programs](#) / [Roadway Safety Program](#)

## Roadway Safety Program

The MAG Roadway Safety Program (RSP), proposed by MAG to supplement the state's Highway Safety Improvement Program (HSIP) program, assists with providing additional funding in the short term. MAG will facilitate a Highway User Revenue Fund (HURF) swap and regional safety program that can improve the safety conditions of our roadways in all areas, rural and urban. MAG developed this program to address these critical regional funding needs in the near term.

The MAG region will be developing the Strategic Transportation Safety Plan that also will provide suggested long-term safety programming. This will be included in a new Regional Transportation Plan/regional funding plan expected to be approved before December, 2024. MAG member agencies support transportation system safety through enactment of transportation projects in the region. With this two-phased approach, the region will augment and assist the state in reducing traffic fatalities and serious injuries on public roads in the region.

The amount of RSP funds to be made available under a competitive call for projects process will be approximately \$2 million in each fiscal year through 2024. Calls for projects will be issued on an annual basis in August. The Transportation Safety Committee will provide oversight to recommending a list of projects to be funded.

### MAG FY 2020 and 2021 RSP Call for Projects

In the Fall of 2019 MAG will coordinate the first call for projects for FY 2020 and 2021, and will recommend a list of projects for the available RSP funds. Project applications submitted by the Monday November 4, 2019 deadline can be viewed below. RSP Policies and RSP project application form are available at the links provided (see below).

- [FY 2020 RSP Application](#)
- [RSP Commitment Letter - Template](#)
- [Guideline for Combining Crash Reduction Factors](#)
- [Applications Submitted November 2019 - Coming Soon](#)

#### Materials

- [Joint Agency Agreement Template](#)
- [RSP Policies and Procedures](#)

#### Contacts

##### Transportation Safety Program Manager

Margaret Herrera 

# MAG Transportation Alternatives Non- infrastructure Safe Routes to School Program

# MAG 2015 Strategic Transportation Safety Plan Strategy Addressing Vulnerable Road Users

4.3 Promote and administer Safe Routes to School (SRTS) framework studies to identify school traffic issues and produce walking and biking route maps

# MAG Safe Routes to School Program

### GOALS

- **Identify** road safety issues/needs and develop walking/biking route maps.
- **Encourage** children to walk and bike to school.
- **Develop** educational programs that would **emphasize** walking and biking as a safe transportation alternative.
- **Support** projects that would facilitate **data collection, planning** and **development** of school-based programs and activities.

## MAG Safe Routes To School Priorities & Example Projects

Projects eligible for utilizing MAG Region's TA/SRTS Non-Infrastructure funds:

**Priority 1 Studies:** Develop SRTS studies, generation of new or to update walking/biking route maps, data collection

**Priority 2 Support Activities:** Development of SRTS program websites, bulk item ordering; bike helmets, crossing guard vests, stop paddles, 15 MPH rollout signs, etc.

Summary of current projects in FY2017-FY2020 can be found at: <http://srts.azmag.gov/>

### SRTS Support Activity

**Support Activity** as defined for the purposes of programming Transportation Alternative SRTS non-infrastructure projects **in the MAG region**: A Support Activity project request are those considered to fund **specific activities** with the goal of **encouragement, education, enforcement and evaluation** related to **k-8 students** walking and biking to school.

# SRTS Application

<http://srts.azmag.gov>

### Administration: Studies Projects

- All SRTS Studies Administered by MAG
  - NO IGA required
  - NO ADOT review fee
  - MAG will request authorization
  - Non-elected official In-kind services for local match 5.7%
  - MAG will assign SRTS Studies to MAG On-Call Consultants

## Administration: Support Activity Projects

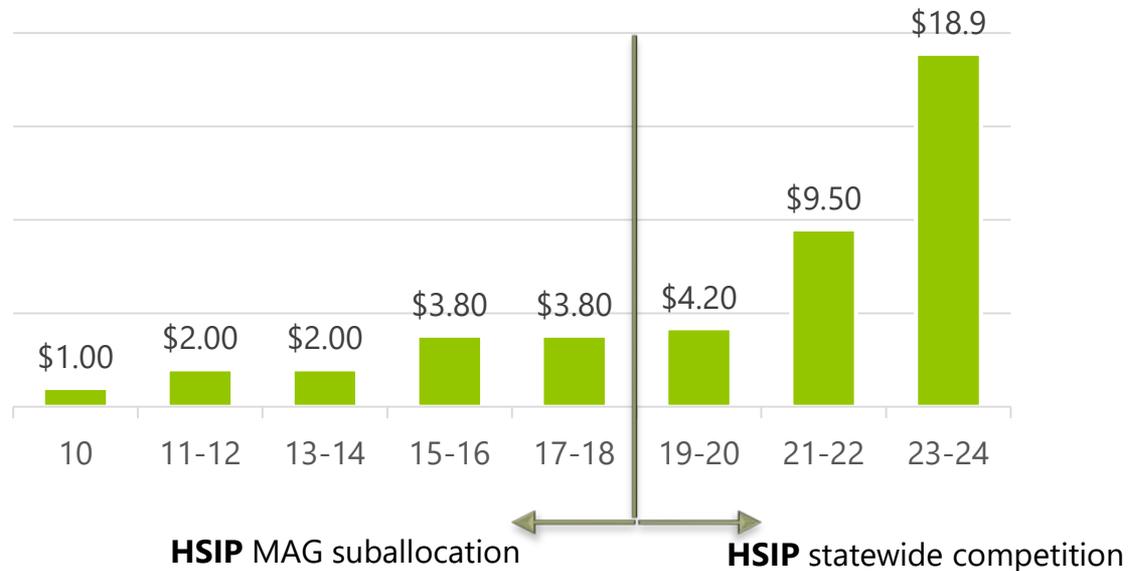
- Procurement type Support Activity projects - Administered by ADOT
  - IGA required
  - ADOT review fee required; in estimation tab of application
  - ADOT will send a project initiation letter
  - 5.7% Local Match required
  - ADOT will manage or assign management of procurement

# MAG Roadway Safety Program Background

# Safety Funding History

- **ADOT Highway Safety Improvement Program (HSIP)**

MAG region safety funding  
(millions/FY's)



# Transportation Safety Program

Established in 2002;  
Transportation Safety Committee  
2004

## Road Safety Assessments

- A Great Example: Road Safety Assessment
  - 700 recommendations; 70 intersections
- Support ADOT in reversing safety trends

Fatality Trend: **State** & **MAG Region**



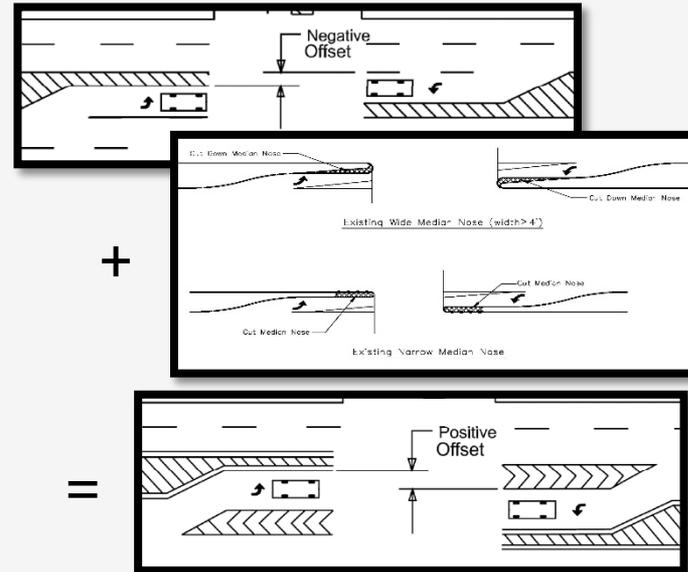
# Meaningful Solutions - MAG RSA Program

Poll RSA recommendations:  
Come up with good low-cost projects

16 intersections, \$3.5 million, improve sight visibility for left-turn movements

## Example: Left-turn Crashes

- Left-turn crashes; over 30% most devastating
- FHWA: improve sight visibility; reduce 38% left-turn crashes



# MAG ROADWAY SAFETY PROGRAM

## Safety Projects:

- From RSAs, other studies
- Unfunded HSIP
- Example safety solutions
  - Lighting
  - Medians
  - Positive Offset
  - Pedestrian Crossings

## The Challenge:

- HSIP must meet FHWA mandates
- Construction five years out
- Cost prohibitive

## The Solution: RSP

- STBG transpose HURF
- \$2 million FY2020-2024 (\$10 million total)
- Low-cost, immediate, flexible
- Support ADOT; improve roadway safety

**RSAs** – Road Safety Assessments, **STBG**-Surface Transportation Block Grant, **HURF**-Highway User Revenue Fund

# MAG Roadway Safety Program Priorities

Projects eligible for utilizing MAG Region's RSP funds:

- Consistent with strategies of the current state and MAG Strategic Safety Plans
- Demonstration that the countermeasure (improvement) meets the intent of addressing the crash types and severities experienced at the identified location or segment.
- Be shovel ready (FY2020)
- For procurement or construction

Identified by an Road Safety Assessment (RSA), Safe Routes to School (SRTS) Study, or other agency administered study: (FHWA Crash Modification Clearinghouse)

- Improve left-turn lane offset, flashing yellow arrows
- Increase visibility of traffic signals
- Advance stop ahead pavement markings
- Dynamic speed feedback signs, Install raised median
- Pedestrian hybrid beacon (PHB or HAWK), Install lighting
- Transverse rumble strips, High Friction Surface Treatment

# RSP Application

<http://www.azmag.gov/rsp>

### Administration: RSP Projects

- Administered by MAG for reimbursement of construction
  - Commitment Letter required
  - Joint Agency Agreement required
  - Design in lieu of local match 10% - Use of JOC or other
  - MAG will track and process reimbursement requests
  - Annual update provided by MAG to the Transportation Safety Committee

# Need Help or Have Questions?

Margaret Herrera  
mherrera@azmag.gov

Or

Mohammad Shaheed  
mshaheed@azmag.gov

(602) 254-6300