

## 2018 – 2022 Transportation Improvement Program Executive Summary

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### Introduction

Pima Association of Governments' Transportation Improvement Program (TIP) is a federally mandated, five-year capital program of regional transportation projects and programs. The TIP identifies priorities for all transportation modes including national, state, regional and local roadways; transit, aviation, bike and pedestrian facilities, and programs such as RideShare, Vanpool and Safe-Routes-to-School.

The TIP is updated annually to show new projects proposed by local and state governments, regional transportation providers and the public. The TIP document provides a general description of projects and programs, their funding source(s), sponsor and schedule.

The TIP is essentially a financial document that shows a funding schedule. Thus, in some cases, projects listed in the TIP may already have been built and funding may be needed to pay for previous construction or the funding may be in place but there may be a lag before the physical project is initiated or completed. ***In the case of projects using federal funds, the funds are "obligated" at the start of the project; the funds needed are set aside for the project when it is obligated even though it may take months or more to actually start construction. Thus a project could be shown as completed or "closed" in the TIP because funds are obligated to it, regardless of whether construction has yet occurred.***

### FAST Act

The Fixing America's Surface Transportation Act (FAST) guarantees funding for highways, highway safety and public transportation. Federal legislation sets forth the parameters for TIP development. The TIP includes project priorities and a financial plan which documents the financial resources available to implement the program. The FAST Act is a five-year bill signed into law on December 4, 2015. The PAG TIP assumes that the policies and funding levels of the FAST Act will continue beyond the expiration of the act on September 30, 2020.

## Overview

The goal of the TIP process is to make optimum use of available funds and resources to serve transportation needs and implement the long-range transportation plan known as the Regional Transportation Plan or RTP in the PAG region. The TIP is developed cooperatively by all of the jurisdictions within Pima County (see the listing of the TIP Subcommittee membership on the previous page) through a process facilitated by the Pima Association of Governments (PAG), the metropolitan planning organization (MPO) for Pima County. PAG's TIP Subcommittee is the standing technical committee responsible for development of the TIP.

As the TIP is developed, needed adjustments to existing projects are made and new proposed projects are prioritized based on established criteria. While new projects were submitted this year for available RTA (Regional Transportation Authority) categorical funding, regional policy limited the inclusion of new non-RTA projects due to limited funding availability. This underscores the regional commitment to completing projects already in the TIP and maintaining the TIP as a fiscally constrained document.

Funding for RTA projects is tied to the voter-approved RTA plan; the RTA projects are shown in the TIP document to meet federal metropolitan planning, air quality and other requirements.

The new RTA projects, combined with the projects that were carried forward from the 2017-2021 TIP, make up the draft project list for the 2018-2022 TIP. The draft TIP is analyzed for equity (Title VI) and air quality impacts and submitted for public review. After the public has had an opportunity to comment on the draft TIP, further adjustments are made as necessary. A formal public comment period occurs before the TIP is sent to the PAG Regional Council for adoption.



## Contents of the 2018-2022 TIP

The TIP lists the individual projects and programs identified for funding in the region between fiscal years (FY) 2018 and (FY) 2022. Projects range from construction projects to studies that identify future needs as well as potential projects or programs to create travel alternatives that will help relieve congestion on the transportation network.

The maps located in the center of this document outlines proposed TIP improvements. They are coded by funding year. Some projects that may appear as a single project on the map may be listed as several projects in the TIP because of how the different elements incorporated into the project or the phasing of the project construction occur. Since the TIP is a funding document, some of the projects may already be built and are shown in order to repay loans that were used to complete the project earlier. Further, TIP funds may be used to pay for pre-construction activities and the actual project may be years away from being completed.

## What's New in the 2018-2022 TIP

The 2018-2022 TIP updates the funding allocations for regional projects and programs that had been outlined in the 2017 – 2021 TIP. The following table outlines projects and programs that are new to the TIP document. These projects have been added to the TIP either through amendment of the existing TIP or as part of the programming process of the 2018-2022 TIP, in the months since the previous TIP was adopted in May 2016.



**Table 1 - New Projects since May 2016**

TIP ID	PROJECT NAME	SPONSOR	Amount in TIP (in '000s)	Project Phases
30.16	I-19: Ina to Ruthrauff	ADOT	144,125	Design and Construction
28.16	I-10 Wash Bridge #463	ADOT	315	Design and Construction
10.16	I-10: SR 83 Intersection Improvements	ADOT	110	Design
12.16	I-10: Vail Road and Mountain View Bridge Rehab	ADOT	375	Design and Construction
17.16	I-10: Wilmot Road and Earp Wash Bridge Rehab	ADOT	5,000	Construction
13.16	I-19: Helmet Peak Bridge Rehab	ADOT	500	Design
14.16	Red Hill Ranch Rd at UPRR	ADOT	35	Design
1.16	SR 410: Sonoran Corridor Tier 1 EIS	ADOT	3,500	Study
2.16	SR 77: Calle Concoridia to Genematas	ADOT	11,766	Design and Construction
11.16	SR 77: Catalina State Park	ADOT	307	Construction
35.15	SR 77: I-10 to River	ADOT	10,000	Design
22.16	Adonis Road Extension	Marana	2,230	Study
6.16	Marana Airport Control Tower	Marana	300	Design
3.16	Marana Airport Drainage Tower	Marana	1,650	Design and Construction
4.16	Marana Airport PAPI Replacements	Marana	130	Construction
5.16	Marana Airport Runwa and Taxiway Lighting Upgrades	Marana	900	Construction
7.16	Marana Airport Runway 3121 & Taxiway B Extension	Marana	300	Design
28.15	La Canada and El Conquistador HAWK Crossing	Oro Valley	250	Design and Construction
19.15	La Canada and Moore Intersection Study	Oro Valley	50	Study
27.16	La Cholla Blvd: Overton to Tangerine Wildlife Linkages	Oro Valley	1,740	Design and Construction
98.12	ADA Transit Enhancements	Pima County	480	Construction
33.15	Alvernon and Hughes Access Bike Lanes	Pima County	733	Design and Construction
19.16	Benson Highway at Columbus Improvements	Pima County	859	Design and Construction
18.16	Benson Highway at Drexel Road Improvements	Pima County	790	Design and Construction
34.16	Bopp Road: Sarasota to Kinney	Pima County	2855	Design and Construction
31.15	CDO River Park and Overton HAWK Crossing	Pima County	238	Construction
23.16	Guardrail Selection Tool Upgrade for RSAP	Pima County	50	Study
24.16	Ina and Orange Grove Corridors Signal Timing Study	Pima County	125	Study
25.15	Loop Safety Markings and Signs	Pima County	250	Construction

20.15	McCain Loop Study	Pima County	50	Study
13.14	River to Shannon: Paved Shoulders	Pima County	507	Design
23.15	Safety: Durable Pavement Markings	Pima County	625	Design and Construction
26.15	School Safety Infrastructure Improvements	Pima County	362	Construction
22.15	Sign Panel Replacement	Pima County	1,060	Construction
35.16	Tanque Verde Loop Intersection	Pima County	1,004	Design and Construction
63.14	White Elementary Safe Routes to School	Pima County	94	Design and Construction
24.15	Regional Traffic Signal Program: Equipment	RTA	1,220	Operations
26.16	Providing Accessibility and Safety Across I-19 (PASA)	Sahuarita	50	Study
21.15	Roadway and Intersection Safety Enhancements	Sahuarita	50	Study
25.16	Roadway Lane and Shoulder Width Study	Sahuarita	50	Study
8.16	Ryan Airfield AWOS Replacement	TAA	220	Construction
9.16	TIA: Fire Truck Replacement	TAA	1,900	Procurement
20.16	Arcadia and Timrod Bike Boulevards	Tucson	1,286	Design and Construction
32.15	Bike Boulevard Package I	Tucson	1,000	Construction
21.16	Menlo Park and 8 <sup>th</sup> Convent Bike Boulevards	Tucson	1,200	Design
27.15	Nogales and Olive HAWK Crossings	Tucson	75	Construction
29.15	Pedestrian HAWK Crossings	Tucson	700	Design and Construction
30.15	School Safety Infrastructure Improvements	Tucson	225	Design and Construction
29.16	Vehicle Maintenance Facility	Tucson Transit	1,000	Construction

### **What's has been Removed from the 2018-2022 TIP**

Projects that are removed from the TIP receive one of three designations.

- "Previous" is for projects that no longer need regional funding through the TIP. Most often, this is because the project is complete. However, this designation can also be for federal projects that have obligated their federal funds, even if construction is on-going or even has yet to begin.
- "Reserve" is for projects that do not have regional funds in the current TIP, but they are still a priority for their sponsoring jurisdiction. These projects will continue to seek available funding in future TIP programming cycles.
- "Dropped" is for projects that never received any regional funds and are no longer a priority for their sponsoring jurisdiction. These projects will no longer seek available funding.

The following tables identify projects that have been removed from the active TIP in last year.

**Table 1 - Projects designated "Previous" since May 2016**

TIP ID	PROJECT NAME	SPONSOR
6.15	I-10: Craycroft Bridge Rehab	ADOT
56.14	I-10: Craycroft Signalization	ADOT
5.15	I-10: Kino Parkway TI Bridge	ADOT
10.16	I-10: SR 83 Intersection Improvements	ADOT
9.14	I-19: El Toro Road Bridge Rehab	ADOT
5.13	I-19: Santa Cruz Bridge	ADOT
11.16	SR 77: Catalina State Park	ADOT
34.13	SR 77: Signalization Upgrade	ADOT
86.09	SR 77: Wildlife Crossing Structures	ADOT
10.15	SR 85: Welcome St to Pima County Line	ADOT
11.14	SR 86: Fuller to Valencia	ADOT
105.03	SR 86: Kitt Peak Road Segment	ADOT
93.12	Ina and Thornydale: EB/WB Right Turn Lane Widening	Marana
74.12	Ina Road Sidewalk	Marana
6.09	Marana Airport Taxiway Rehabilitation	Marana
75.12	Sandario Road: Moore to Grier Sidewalk/Path	Marana
88.09	Canada del Oro Shared Use Path Final Phase	Oro Valley
96.12	Rancho Vistoso Blvd at Vistoso Highlands Signal	Oro Valley
79.12	Rancho Vistoso Sidewalk	Oro Valley
3.11	PAG Regional Road Safety Assessment Program	OWP-PAG
116.07	Regional Traffic Signal Services	OWP-PAG
76.08	ADA Accessible Bus Stops	OWP-TDOT
36.13	Bike Safety Program	Pima County
1.10	Colossal Cave Road UPRR Success DR, Ruthrauff UPRR Crossing	Pima County
16.11	Coronado Cougars Safe Routes to School	Pima County
8.15	Elephant Head Road Bridge Repair	Pima County
30.06	Homer Davis School Bike/Ped Enhancements	Pima County
19.08	Ina Rd and Oracle Rd Intersection Improvement	Pima County
42.09	Julian Wash Greenway/Pantano River Park Right-of-Way Acquisition	Pima County
150.00	La Canada Dr: River to Ina	Pima County
90.06	La Cholla: Overton to Magee	Pima County
592.00	Magee: La Canada to Oracle	Pima County
152.00	Magee: Thornydale to Mona Lisa	Pima County
80.12	Manzanita Elementary Safe Routes to School, Phase 2	Pima County
100.09	Nogales/Old Nogales Intersection Improvements	Pima County
71.12	Palo Verde HAWK Crossings	Pima County
81.12	Pantano Pathway: Broadway to Kenyon	Pima County

72.09	Picture Rocks at Picture Rocks Wash Realignment	Pima County
3.13	Picture Rocks Road: Sandario to Sahuaro National Park	Pima County
33.13	Safe Routes to School: Biking for Life	Pima County
12.11	Sidewalk and Safe Routes to School, Package 2	Pima County
58.06	Valencia: Wade to Mark	Pima County
104.06	Green Valley/Sahuarita Park-and-Ride	RTA
99.09	Regional Intersection MUTCD Compliance Program	RTA
97.09	Regional Traffic Signal Model	RTA
128.08	Transit Regional Fare System and Rebranding	RTA
1.14	SR 77: Wildlife Corssing Off-Highway Fencing	RTA
11.13	Townwide: Safety Evaluation of Streets	Sahuarita
34.14	TIA Airport Road	TAA
92.10	TIA Comercial Roadway Reconstruction	TAA
16.12	Tohono O'odham Safety Improvements	Tohono O'odham
17.15	Tohono O'odham Safety Improvements, Phase 2	Tohono O'odham
18.15	Tohono O'odham Safety Improvements, Phase 3	Tohono O'odham
13.09	2009 City of Tucson Intersection Improvements	Tucson
68.12	22 <sup>nd</sup> /Avenida Sirio HAWK	Tucson
163.07	ADA Improvements: Various Locations	Tucson
39.09	Bike Lane Package II	Tucson
32.06	Campbell Ave Revitalization	Tucson
65.12	Campbell/Ninth HAWK Crossing	Tucson
18.11	Gila Panther Tracks Safe Routes to School	Tucson
15.15	Golf Links-Aviation Shared Use Path Bridge Deck Replacement	Tucson
67.12	Grant/Sahuara Bike HAWK Crossing	Tucson
19.13	Houghton Rd UPRR Bridge Bat Roost Mitigation	Tucson
57.06	Speedway Blvd: Camino Seco to Houghton	Tucson
4.07	Starr Pass/Mission Road Intersection	Tucson
1.15	Bus Yard Improvements: Stormwater and Repaving	Tucson Transit
51.09	Cushing Street Bridge	Tucson Transit
73.06	Downtown/University Streetcar	Tucson Transit
23.14	Laos Transit Center Sun Shuttle Pull Out	Tucson Transit
109.06	Rita Ranch Park-and-Ride	Tucson Transit

**Table 3 - Projects designated "Reserve" since May 2016**

TIP ID	PROJECT NAME	SPONSOR
148.00	Kinney: Ajo to Bopp	Pima County
52.03	Safe School Route Bike/Ped Education Program	Pima County
98.09	Real Time Signal Timing and Traffic Info	Tucson
41.13	Sun Shuttle Preventative Maintenance	Tucson Transit
29.03	Sun Van Expansion Vans	Tucson Transit

**Table 4 - Projects designated "Dropped" since May 2016**

TIP ID	PROJECT NAME	SPONSOR
3.09	Marana Airport Apron Reconstruction	Marana
12.12	Marana Airport Taxiway H	Marana
10.12	Marana Airport Taxiway K	Marana
12.14	Regional Systematic Sign and Striping Plan	Pima County
25.14	Ryan Airfield Aviator Lane	TAA
7.06	Ryan Airfield Lighting Control and Monitoring System	TAA
25.06	TIA Apron Reconstruction Main Terminal	TAA
17.06	TIA Lighting Control and Monitoring System	TAA
49.14	Indian Route 19: Safety Feasibility Study	Tohono O'odham
34.06	Regional Traffic Signal Operations Program	Tucson



# PIMA ASSOCIATION OF GOVERNMENTS

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Peter Yucucio (Vice Chair) Vice-Chair Pascua Yaqui Tribe	Ed Honea Mayor Town of Marana		

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Charles Huckelberry Administrator Pima County	Danny Sharp Interim Town Manager Town of Oro Valley	Mark Hoffman* Regional Transportation Planner AZ Dept of Transportation	

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