



Maricopa County
Department of Transportation

Transportation Improvement Program

Fiscal Years 2018-2022

Introduction

The Maricopa County Department of Transportation (MCDOT) plans, designs, builds, maintains, and operates roadways within Maricopa County in order to provide connections that improve people's lives. The Department is responsible for 2,490 miles of roadway, 418 bridges and structures, 152 traffic signals and more than 50,000 traffic signs.

The MCDOT Transportation Improvement Program (TIP) is a five-year financial planning tool that contains transportation system improvements for the County. These improvements include new or improved roadways, bridges, drainage structures, intersections, intelligent transportation systems and more.

Fiscal Year 2017 Accomplishments

The 2017-2021 TIP identified several projects that the Department has completed or continues to advance. Highlights of FY 2017 accomplishments include:

- Award of construction contracts for improvements totaling more than \$27 million
- Preservation of 105 lane miles through resurfacing projects
- Completion of 28 construction projects, including the following improvements:
 - Major reconstruction and widening improvements of Riggs Road from Hawes Road to Ellsworth Road
 - Two drainage improvement projects including the installation of 1700 feet of storm drain pipe at El Mirage Road and Northern Avenue and drainage channel improvements on Patton Road near 257th Avenue
 - Intelligent Transportation Systems (ITS) improvement project on Riggs Road in Sun Lakes
 - Three traffic signal and intersection improvement projects including two major intersections: Avondale Boulevard and MC85 in Avondale and Union Hills Drive and 99th Avenue in Sun City
 - Repair and reconstruction of Gilbert Road at the Salt River due to flood damage
 - Eight pavement preservation resurfacing projects
 - Six low volume road projects
 - Local road rehabilitation project at several locations throughout the County
 - Three traffic safety projects (one street light improvement project and two traffic calming projects)
 - Pedestrian signal upgrade and modernization project at two intersections (one in Litchfield Park and one in Sun City West)



Hot-in-place paving on Patton Road.



Pavement striping.

TIP Development

The TIP is developed annually by analyzing previously budgeted/scheduled projects based upon project cost, commitment of financial partners, and available funding. New projects are developed from the long range transportation plan, operational considerations and requests from stakeholders and the public. These projects are reviewed and ranked through the Project Rating System. The project rating system ranks projects based on five criteria:

Traffic Congestion (30%): Traffic volumes or Annual Daily Traffic (ADT) are compared to a roadway's level-of-service expectation to define the volume-to-standard (V/S) ratio for both existing and future conditions.

Safety (25%): The crash rate is determined based on the latest three years of crash data which is provided by the Arizona Department of Transportation (ADOT). The number of crashes is then averaged based upon the number of County owned roadway miles.

Cost/Benefit (22%): The estimated project cost, length of roadway to be improved, and number of users anticipated to benefit from the improvement are combined to determine an estimated cost per vehicle miles of travel.

Land Use (12%): The roadway type and category of adjacent land use is defined based on the adopted Transportation System Plan and the Major Streets and Routes Plan.

Regional Travel (11%): The role the project plays in supporting regional travel is determined by the percentage of all trips on the roadway segment that are more than 10 miles long.

Projects receiving the highest rating are considered for inclusion in the TIP. Once a project has been officially included in the TIP, a project schedule and forecasted budget of up to five years is developed. Projects with funding identified in the first year of the TIP are part of the annually adopted county budget.



Roadway widening on Riggs Road.

Fiscal Year 2018-2022 Funding Estimates

MCDOT receives funding for the TIP from local, regional, state and federal sources. The projected revenue for the five year TIP forecast is \$568 million with planned expenditures of \$568 million, which includes \$106 million available for new projects.

The primary source of funding is the Highway User Revenue Fund (HURF). The state of Arizona taxes motor fuels and collects a variety of fees and charges including gasoline and use-fuel taxes, motor-carrier taxes, vehicle-license taxes, motor vehicle registration fees and other miscellaneous fees. These funds are distributed to cities and counties through a distribution formula.

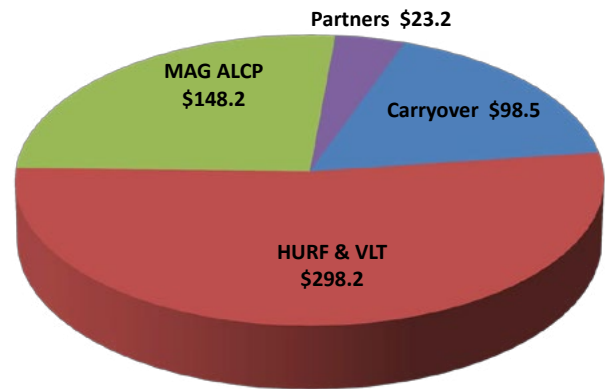
The second largest source of funding is the Maricopa Association of Governments (MAG) Arterial Life Cycle Program (ALCP). MAG ALCP funding is for specific projects and includes regional funds and federal transportation funds. Totalling \$189 million, MAG ALCP projects account for the largest expenditure category over the next five years. These projects include Northern Parkway, Gilbert Road Bridge, McKellips Road, and El Mirage Road.

Another source of TIP funding comes from local partnerships. MCDOT works cooperatively with the County's 25 cities and towns, as well as, other stakeholders to meet the transportation needs of its residents. This includes entering into Intergovernmental Agreements to share costs and resources on joint roadway projects. In fiscal year 2018, Maricopa County's project partners are projected to contribute \$21.3 million to specific projects in the TIP.

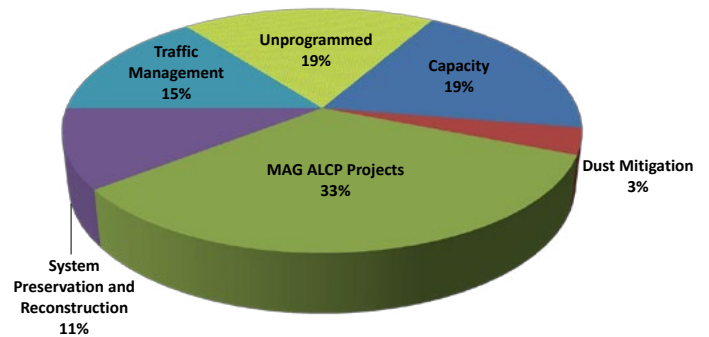
MCDOT also receives federal funding for Congestion Management and Air Quality (CMAQ) which is used for paving dirt roads to reduce particulates and improve air quality.

Additional TIP funding may become available for future year expenditures if projects are completed for less than the programmed amount, revenue is generated by the sale of excess property or additional funds become available from an unexpected increase in one of the above listed funding sources.

FY 2018 - 2022 Revenues - \$568 Million



FY 2018 - 2022 Expenditures - \$568 Million



Fiscal Year 2018-2022 Transportation Improvement Program

The TIP for Fiscal Year 2018-2022 is grouped into five project type categories:

Capacity Enhancement Projects (CAPY): Capacity projects add additional travel lanes to existing roads or construct new roadways and bridges so residents will have a more reliable commute.

Dust Mitigation (DMIT): Dust mitigation projects pave dirt roads with the goal of reducing fugitive dust and improving public health.

MAG Arterial Life Cycle Projects (ALCP): The ALCP implements arterial street projects in the MAG Regional Transportation Plan funded by a combination of funding sources and partner contributions.

System Preservation and Reconstruction (SPAR): Pavement and bridge preservation projects that extend the useful life of the roadway system.

Transportation System Management (TMAN): This group of projects allows the system to function more efficiently by installing new traffic signals, improving intersections, adding turning lanes, and using technology to improve traffic flow thereby increasing capacity and reducing travel time. Transportation System Management also includes necessary system improvements such as acquisition of right-of-way and participation in other agency projects.

Each year funds are set aside for new projects to begin the scoping process in addition to the previously budgeted TIP project funds. Complex projects may require more than five years to move from scoping to completion. MCDOT reserves some funding for the last two years of the program to make adjustments. This allows MCDOT to make maximum uses of available funds as new partnerships develop or unexpected needs arise.



Gilbert Road Bridge repairs.

Capacity Enhancements (CAPY)

Capacity Enhancement projects add additional travel lanes to existing roads or construct new roadways and bridges so commuters will have a faster, safer commute.

Project Number	District	Road	Limits	Miles	Scope of Work	Activity	FY 18	FY 19	FY 20	FY 21	FY 22	FY 2018 to 2022 Total (\$1,000's)	County Funding	Federal & Partner Funding
TT0579	4	83rd Avenue	Northern Avenue to Butler Drive	0.5	Scoping Study to determine improvements needed and their cost	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	94	41	-	-	135	-	-
Project Total							-	109	41	-	-	150	150	-
TT0575	5	Broadway Road	75th Avenue to 51st Avenue	3.1	Scoping Study to determine improvements needed and their cost	Scoping Design Right-of-way Utility Relocation Environmental Construction	58	399	-	-	-	457	-	-
Project Total							58	449	-	-	-	507	507	-
TT0248	4	Deer Valley Road	EI Mirage Road at Williams to 109th Avenue at Deer Valley Road	2	New 5-lane road and two new bridges	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	350	30	-	-	630	-	-
Project Total							2,750	600	40	-	-	3,390	3,390	-
TT0578	4	Jackrabbit Trail	Van Buren Street to McDowell Road	1	Scoping Study to determine improvements needed and their cost	Scoping Design Right-of-way Utility Relocation Environmental Construction	2	325	170	-	-	497	-	-
Project Total							2	360	175	-	-	537	537	-
TT0580	1	Lindsay Road and Gilbert Road	Lindsay Road from Pecos Road to Germann Road and on Gilbert Road from Val Vista Drive to Gilbert Drive	-	Assist City of Gilbert with right-of-way acquisition in the unincorporated Maricopa County area of project	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							-	-	-	-	-	-	-	-
TT0406	1	Riggs Road	Power Road to Hawes Road	1	Widen from two lanes to four lanes with center turn lane	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							5,035	5,008	-	-	-	10,043	11,213	11,213

Capacity Enhancements (CAPY) cont.

Project Number	District	Road	Limits	Miles	Scope of Work	Activity	FY 18	FY 19	FY 20	FY 21	FY 22	2022 Total (\$1,000's)	County Funding	Federal & Partner Funding
TT0375	1	Riggs Road	Hawes Road to Ellsworth Road	2	Widen from two lanes to six lanes with center turn lane	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							2,808	-	-	-	-	2,808	2,808	-
TT0429	1	Riggs Road	Recker Road to Power Road	1	Widen from two lanes to six lanes with center turn lane	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							2,808	-	-	-	-	2,808	2,808	-
TT0251	1	Riggs Road	Ellsworth to Crismon	1	Construct new three lane road	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							4,475	-	-	-	-	4,475	408	4,068
TT0538	1	Riggs Road	Crismon Road to Meridian Road	2	Construct new three lane road	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							8,255	5	-	-	-	8,260	8,260	-
TT0430	1	Rittenhouse Road	At Queen Creek Wash	0.26	Replace existing bridge with four lane box culvert	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							20	1,259	1,214	-	-	2,493	2,493	-
TT0496	2	Signal Butte Road	Apache Trail to University Drive	1	Widen from two to four lanes	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							295	1,000	1,230	-	-	2,525	2,525	-

Capacity Enhancements (CAPY) cont.

Project Number	District	Road	Limits	Miles	Scope of Work	Activity	FY 18	FY 19	FY 20	FY 21	FY 22	FY 2018 to 2022 Total (\$1,000's)	County Funding	Federal & Partner Funding
TT0003	Various	To Be Determined	To Be Determined	TBD	Special Project Fund Reserve for Transportation Advisory Board Selected Projects	Scoping Design	-	-	-	-	-	-	-	-
						Right-of-way Utility Relocation	-	-	-	-	-	-	-	-
						Environmental	-	-	-	-	-	-	-	-
						Construction	941	-	-	-	-	941	941	-
						Project Total	941	8,790	2,700	-	-	37,299	33,231	4,068
						Total	25,809	8,790	2,700	-	-	37,299	33,231	4,068

MAG Arterial Life Cycle Program Projects (ALCP)

The Arterial Life Cycle Program (ALCP) projects are contained in the Regional Transportation Plan (RTP) voted on by citizens of Maricopa County in 2004. The ALCP funding is a combination of Regional Area Road Funds (RARF), MAG Surface Transportation Program funds (STP-MAG), Congestion Mitigation and Air Quality (CMAQ) funds, County Highway User Revenue Funds (HURF) and partner contributions. (As shown in the MAG ALCP)

Project Number	District	Road	Limits	Miles	Scope of Work	Activity	FY 18	FY 19	FY 20	FY 21	FY 22	FY 2018 to 2022 Total (\$1,000's)	County Funding*	Federal & Partner Funding
TT0498	4	Butler Drive and 129th Avenue alignments	Butler Drive from Dysart Road to the 127th Avenue alignment; and on the 129th Avenue alignment from the new Butler Drive to Northern Parkway	0.7	Construct new two lane roadway	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	390	5	-	-	-	-	395
Project Total							-	390	5	2,884	-	3,279	364	2,915
TT0367	4	El Mirage Road	Northern Parkway to 1500 ft south of Peoria Avenue	1.8	Widen from two lanes to six lanes with center turn lane	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							6,747	2,399	-	-	-	9,146	3,286	5,860
TT0543	4	El Mirage Road	1500 feet south of Northern Parkway	0.25	Complete Storm Drain construction	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							15	-	-	-	-	15	15	-
TT0339	1,2	Gilbert Rd	At Salt River	1.8	New 4-lane Bridge	Scoping Design Right-of-way Utility Relocation Environmental Construction	1,065	60	-	-	-	-	-	1,125
Project Total							1,065	70	27,175	28,580	-	56,890	14,953	41,937
TT0342	2	McKellips Rd	SR 101 to Alma School	2.0	Add median, curb and gutter to existing 4-lane road	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	415	55	2	5	-	-	477
Project Total							415	1,625	2,272	5,468	-	9,780	2,444	7,336
TT0500	5	Northern Parkway	Agua Fria River to 111th Avenue	1.3	Widen from four lanes to six lanes	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	361
Project Total							-	-	-	-	-	361	132	228

MAG Arterial Life Cycle Program Projects (ALCP) cont.

Project Number	District	Road	Limits	Miles	Scope of Work	Activity	FY 18	FY 19	FY 20	FY 21	FY 22	FY 2018 to 2022 Total (\$1,000's)	County Funding*	Federal & Partner Funding	
TT0347	4	Northern Parkway	Dysart Road to 111th Avenue	4.0	Widen from two to four lanes	Scoping Design Right-of-way Utility Relocation Environmental Construction	- 510 3,000 - 100 5,730	- - - - 25,160	- - - - -	- - - - -	- - - - -	- 510 3,000 - 100 30,890	- - - - -	883	33,617
Project Total							9,340	25,160	-	-	-	34,500	883	33,617	
TT0427	4	Northern Parkway	At Dysart Road	0.6	Construct six lane overpass	Scoping Design Right-of-way Utility Relocation Environmental Construction	- 879 - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- 879 - - - -	- - - - -	622	10,783
Project Total							879	10,526	-	-	-	11,405	622	10,783	
TT0499	4	Northern Parkway	At E1 Mirage Road	0.6	Construct six lane overpass	Scoping Design Right-of-way Utility Relocation Environmental Construction	- 535 - - - -	- 535 - - - -	- - - - -	- - - - -	- - - - -	- 535 - - - -	- - - - -	1,469	28,206
Project Total							535	535	10,470	18,135	-	29,675	1,469	28,206	
TT0372	4	Northern Parkway	At Loop 101	1.6	Widen from four lanes to six lanes with dual left turn lanes	Scoping Design Right-of-way Utility Relocation Environmental Construction	- 575 25 300 - -	- 1,800 2,000 - - -	- - - - -	- - - - -	- - - - -	- 575 1,825 2,300 - -	- - - - -	1,139	11,295
Project Total							900	3,800	7,734	-	-	12,434	1,139	11,295	
TT0573	4	Northern Parkway	Loop 101 to Grand Avenue	4.8	Scoping Study to determine improvements needed and their cost	Scoping Design Right-of-way Utility Relocation Environmental Construction	- 625 - - - -	175 - - - -	- - - - -	- - - - -	- - - - -	- 800 - - - -	- - - - -	93	707
Project Total							625	175	-	-	-	800	93	707	
TT0195	4	Northern Parkway	Sarival to Dysart	4.0	Complete Right-of-way Acquisition - one parcel in condemnation	Scoping Design Right-of-way Utility Relocation Environmental Construction	- - 3,505 - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - 3,505 - - -	- - - - -	1,339	2,166
Project Total							3,505	-	-	-	-	3,505	1,339	2,166	

System Preservation and Reconstruction (SPAR)

Pavement Preservation projects resurface roads to extend their useful life and provide a smoother safer surface for motorists.

Project Number	District	Road	Limits	Miles	Scope of Work	Activity	FY 18	FY 19	FY 20	FY 21	FY 22	FY 2018 to 2022 Total (\$1,000's)	County Funding	Federal & Partner Funding	
TT0567	4, 5	Baseline Road	Salome Highway to State Route 85	8.3	Mill and overlay with rubberized asphalt	Scoping Design Right-of-way Utility Relocation Environmental Construction	- 5 - - - 2,095	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- 5 - - - 2,095	2,100	2,100	2,100
Project Total							2,100	-	-	-	-	2,100	2,100	-	
TT0567	1	Broadway Road Bridges	At Tempe Canal	0.1	Scoping study to determine cost to repair bridges	Scoping Design Right-of-way Utility Relocation Environmental Construction	- 120 - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- 120 - - - -	120	-	-
Project Total							120	-	-	-	-	-	120	120	-
TT0348	2	Bush Highway	Mesa City Limits to 1200 feet south of SR 87	15.7	Overlay roadway, extend 7 culverts, replace guardrail	Scoping Design Right-of-way Utility Relocation Environmental Construction	- 27 - - - 2,972	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- 27 - - - 2,972	2,999	2,999	2,999
Project Total							2,972	-	-	-	-	-	2,972	2,999	-
TT0566	2, 4	Local and Collector Rehabilitation	See Note 1 below	8.5	Remove old pavement and pave with rubberized asphalt	Scoping Design Right-of-way Utility Relocation Environmental Construction	- 25 - - - 4,093	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- 25 - - - 4,093	4,118	4,118	4,118
Project Total							4,118	-	-	-	-	-	4,118	4,118	-
TT0338	4	Miller Road	I-10 to one mile north	1.0	Pave dirt road	Scoping Design Right-of-way Utility Relocation Environmental Construction	- 50 55 - - 1,439	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- 50 55 - - 1,439	1,544	(525)	2,069
Project Total							105	1,439	-	-	-	-	1,544	(525)	2,069
TT0565	2	NE Arterials Mill and Overlay	See Note 2 below	3.1	Mill and overlay with rubberized asphalt	Scoping Design Right-of-way Utility Relocation Environmental Construction	- 5 - - - 800	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- 5 - - - 800	805	805	805
Project Total							805	-	-	-	-	-	805	805	-

System Preservation and Reconstruction (SPAR) cont.

Project Number	District	Road	Limits	Miles	Scope of Work	Activity	FY 18	FY 19	FY 20	FY 21	FY 22	FY 2018 to 2022 Total (\$1,000's)	County Funding	Federal & Partner Funding	
TT0558	3, 4	New River and NW Arterials Overlays	See Note 3 below	16.4	Mill and overlay with rubberized asphalt	Scoping Design Right-of-way Utility Relocation Environmental Construction	- 5 - - - 3,684	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- 5 - - - 3,684	3,689	3,689	-
Project Total							3,689	-	-	-	-	3,689	3,689	-	
TT0549	4	Palo Verde Road	At Roosevelt Irrigation District Canal	0.1	Scoping Study to repair or replace bridge	Scoping Design Right-of-way Utility Relocation Environmental Construction	- 192 - 25 - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- 192 - 25 - - 1,650	-	1,867	-
Project Total							192	1,675	-	-	-	1,867	1,867	-	
TT0564	2	South Arterials	See Note 4 below	12.65	Mill and overlay with rubberized asphalt	Scoping Design Right-of-way Utility Relocation Environmental Construction	- 6 - - - 2,910	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- 6 - - - 2,910	2,916	2,916	-
Project Total							2,916	-	-	-	-	-	2,916	2,916	-
Total							25,614	5,378	2,444	-	1,338	-	34,774	32,705	2,069

Notes

- TT0566 - This project will rehabilitate 8.5 miles of roads: 96th St from Broadway north to the end of road; Adobe Rd from Higley Rd to 66th Way; Adobe Rd from Ellsworth to Crismon Rd; Pueblo Ave from 96th St to 98th St; 102nd St from Wood Ave to Apache Trail; Jones Ave from CAP Canal to 0.1 miles east of 102nd St; Wood Ave from Crismon to 102nd St; 94th Pl from Quarterline Rd to Des Moines St; 95th Circle from Quarterline Rd south; 95th Pl from University to Des Moines St; 95th St from Cisco Rd to Des Moines St; Casper Circle from 95th Pl to end; Cisco Rd from 94th Way to 95th Pl; 92nd Pl from Quarterline to Duncan St; 93rd St from Quarterline north to end of road; Dennis St from Ellsworth to 92nd Pl; Dover St from 92nd Pl to 93rd St; Duncan St from 92nd Pl to Des Moines St; Quarterline Rd from 92nd Pl to 94th Pl; Des Moines St from Adobe Rd to Duncan St; Aaron Circle from Cicero St South; Cicero St from 95th Pl to 96th St; Adobe Rd from Ellsworth to 0.2 miles west; Via De Palmas from McQueen Rd to 122nd St; and in the west valley, Compressor Rd from start of road to Agua Caliente Extension; Fremont Rd from Liberty School to Jackrabbit Trail; Liberty School Rd from MC85 to Fremont Rd; and, Lower Buckeye Rd from 127th Ave to 123rd Dr.
- TT0565 - This project will mill and overlay 3.1 miles of roads: Germann Rd from Sossaman Rd to 204th St; and, Warner Rd from 80th St to approx. .1 mile east of Hawes Rd; and Warner Rd from SR 202 to Ellsworth Rd.
- TT0568 - This project will mill and overlay 16.4 miles of roads: 27th Ave from Cloud to Desert Hills and New River Rd to Photo View; New River Road from I-17 to Desert Hills Drive; and, 211th Avenue from Dove Valley to SR 74.
- TT0564 - This project will mill and overlay 12.65 miles of arterial roads: Van Buren St from 299th Ave to Sun Valley Parkway; Broadway Rd from 59th Ave to approx 1/3 mile east; Rainbow Valley Rd from Ray Rd to Elliot Rd; Southern Ave from 107th Ave to 98th Ave and 50th Ave to 47th Ave; Tuthill Rd from Pecos Rd to Ray Rd; Broadway Rd from Dean Rd to Perryville Rd; and, Palo Verde Rd from Baseline Rd to RID Canal.

Transportation System Management (TSMAN)

Transportation System Management projects allow the system to function more efficiently and safely by replacing obsolete equipment, installing new traffic signals, adding turn lanes, and using technology to improve traffic flow thereby increasing capacity, reducing travel time and providing a safer commute.

Project Number	District	Road	Limits	Miles	Scope of Work	Activity	FY 18	FY 19	FY 20	FY 21	FY 22	FY 2018 to 2022 Total (\$1,000's)	County Funding	Federal & Partner Funding	
TT0551	3	19th Avenue; Desert Hills; Honda Bow; and, Circle Mountain Skunk Crossings	19th Avenue at Irvine; Desert Hills at 15th Avenue; Honda Bow at 9th Avenue; and, Circle Mountain at 7th Avenue alignment	N/A	Scoping study to determine improvements to resolve flooding problems.	Scoping Design Right-of-way Utility Relocation Environmental	29	-	-	-	-	29	-	-	
Project Total							29	-	-	-	-	29	-	29	
TT0464	5	51st Avenue	At Tashquith Drive and at Judem Street	0.1	Construct four bus pull out bays	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-	
Project Total							-	-	-	-	-	-	-	-	
TT0474	4	Bell Road and Frank Lloyd Wright Boulevard	Cotton Lane to Thompson Peak Parkway	64	Install a signal timing system at 52 intersections to respond to the varying traffic conditions	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	20	-	-	
Project Total							1,096	-	-	-	-	1,096	-	-	
Project Total							1,116	-	-	-	-	1,116	1,116	-	-
TT0465	5	Broadway Road	51st Avenue to 7th Street	7	Assist City of Phoenix with right-of-way acquisition in the unincorporated Maricopa County area of project	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-	
Project Total							-	-	-	-	-	-	-	-	
TT0569	2	Carefree Highway	56th Street to 60th Street	0.25	Contribute to City of Scottsdale and Town of Carefree project	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-	
Project Total							500	-	-	-	-	500	500	500	
Project Total							500	-	-	-	-	-	500	500	500

Transportation System Management (TMAN) cont.

Project Number	District	Road	Limits	Miles	Scope of Work	Activity	FY 18	FY 19	FY 20	FY 21	FY 22	FY 2018 to 2022 Total (\$1,000's)	County Funding	Federal & Partner Funding	
TT0412	0	Eagle Eye Road	At Tiger Wash	0	Complete Study to Resolve Flooding Problem	Scoping Design Right-of-way Utility Relocation Environmental Construction	10	-	-	-	-	10	10	-	
Project Total							10	-	-	-	-	10	10	-	
TT0577	2	Eliot Road	State Route 202 to Signal Butte Road	2.3	Contribute to Mesa project	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-	
Project Total							-	-	1,500	-	-	-	1,500	1,500	-
TT0466	3.5	Indian School Road, McDowell Road, and from 92nd St to SR101; and, Daisy Mountain Rd from Gavilan Pk Parkway to I-17.	Indian School Rd from 99th Ave to SR101; McDowell Rd from 92nd St to SR101; and, Daisy Mountain Rd from Gavilan Pk Parkway to I-17.	1.7	Install conduit, pull boxes and fiberoptic cable to connect existing MCDOT Traffic Signals to the Regional Community Network	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-	
Project Total							104	-	-	-	-	104	104	104	-
TT0490	5	Lower Buckeye Road	At 107th Avenue	0.1	Install Traffic Signal	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-	
Project Total							37	-	-	-	-	37	37	-	
TT0345	5	Maricopa County Highway 85	95th Avenue to 75th Avenue	1.5	Widen from four lanes to four lanes with center turn lane, add turning lanes and resurface	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-	
Project Total							20	-	-	-	-	20	20	-	
TT0511	5	Maricopa County Highway 85	107th Avenue to 95th Avenue	1.5	Widen from four lanes to four lanes with center turn lane, add turning lanes and resurface	Scoping Design Right-of-way Utility Relocation Environmental Construction	2,300	-	-	-	-	2,300	2,300	-	
Project Total							10	-	-	-	-	10	10	-	
Project Total							18,435	5,700	-	-	-	24,135	24,135	-	
Project Total							21,015	5,700	-	-	-	26,715	26,715	26,715	-
TT0511	5	Maricopa County Highway 85	107th Avenue to 95th Avenue	1.5	Widen from four lanes to four lanes with center turn lane, add turning lanes and resurface	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-	
Project Total							25	10	-	-	-	35	35	-	
Project Total							250	-	-	-	-	250	250	-	
Project Total							3,550	-	-	-	-	3,550	3,550	-	
Project Total							10	40	-	-	-	50	50	-	
Project Total							-	1,415	16,205	-	-	17,620	17,620	-	
Project Total							3,835	1,465	16,205	-	-	21,505	21,505	21,505	-

Transportation System Management (TMAN) cont.

Project Number	District	Road	Limits	Miles	Scope of Work	Activity	FY 18	FY 19	FY 20	FY 21	FY 22	FY 2018 to 2022 Total (\$1,000's)	County Funding	Federal & Partner Funding
TT0493	4	Maricopa County Highway 85	Baseline Road to Liberty School Road	0	Safety improvements: passing lanes, intersection improvements, signing and striping	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	2	-	-	-	-	-	-
Project Total							1,053	-	-	-	-	1,053	1,055	-
TT0548	4	Maricopa County Highway 85	Jackrabbit Trail to Cotton Lane	4	Safety improvements: passing lanes, intersection improvements, signing and striping	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	241	35	-	-	-	-	-
Project Total							396	3,379	-	-	-	3,775	3,775	-
TT0553	5	Maricopa County Highway 85	At 79th Avenue	0.1	Signal Installation	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							275	-	-	-	-	275	275	-
TT0572	4	Maricopa County Highway 85	At Verado Way	0.25	Signal Installation	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	84	-	-	-	-	-	-
Project Total							94	-	-	-	-	94	94	-
TT0534	4	Maricopa County Highway 85	At Rainbow Road	1.1	Signal Installation	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	58	-	-	-	-	-	-
Project Total							63	647	-	-	-	710	710	-
TT0552	1	Mary Street	Gilbert Drive to Curry Road	0.25	Install storm drain	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							350	350	-	-	-	350	350	-

Transportation System Management (TMAN) cont.

Project Number	District	Road	Limits	Miles	Scope of Work	Activity	FY 18	FY 19	FY 20	FY 21	FY 22	FY 2018 to 2022 Total (\$1,000's)	County Funding	Federal & Partner Funding
TT0570	1	Meridian Road	Empire to 1/4 mile south	0.25	Contribute to Pinal County and Town of Queen Creek project	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	300	300
Project Total							300	-	-	-	-	-	300	300
TT0497	4	Olive Avenue	Citrus Road to Cotton Lane	1	Widen from two lanes to four lanes with center turn lane	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	50	50
Project Total							150	-	-	-	-	-	150	150
TT0570	1					Utility Relocation Environmental Construction	3,200	-	-	-	-	-	3,200	3,200
Project Total							3,200	10	240	-	-	-	11,970	11,970
TT0539	2	Power Road	At Elliot Road	0.1	Signal Upgrade	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							20	-	-	-	-	-	20	20
TT0539	2					Utility Relocation Environmental Construction	3	-	-	-	-	-	3	3
Project Total							2	-	-	-	-	-	2	2
Project Total							455	-	-	-	-	-	455	455
TT0535	1	Queen Creek Road and Cooper Road	On Queen Creek Road from McQueen Road to Gilbert Road and on Cooper Road from Queen Creek Road to Appleby Road	2.5	Assist City of Chandler with right-of-way acquisition in the unincorporated Maricopa County area of project	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							480	-	-	-	-	-	480	480
TT0467	1	Riggs Road and Alma School Road	Riggs Road from Sun Lakes Boulevard to Arizona Avenue and Alma School Road from Riggs Road to Chandler Heights Road	3.5	Install conduit, pull boxes and fiber optic cable to connect existing MCDOT Traffic Signals to the Regional Community Network	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							15	-	-	-	-	-	15	15
TT0537	4	Salome Highway	At Wintersburg Road	0.1	Signal Upgrade	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-
Project Total							30	-	-	-	-	-	30	30
TT0537	4					Utility Relocation Environmental Construction	4	-	-	-	-	-	4	4
Project Total							1,182	-	-	-	-	-	1,182	1,182
Project Total							1,216	-	-	-	-	-	1,216	1,216

Transportation System Management (TMAN) cont.

Project Number	District	Road	Limits	Miles	Scope of Work	Activity	FY 2018 to					Federal & Partner Funding		
							FY 18	FY 19	FY 20	FY 21	FY 22		2022 Total (\$1,000's)	County Funding
TT0559	5	U S 80	At Rainbow Wash	0.1	Drainage Improvements	Scoping	-	-	-	-	-	-	-	-
						Design	15	-	-	-	-	-	15	-
						Right-of-way	-	-	-	-	-	-	-	-
						Utility Relocation	-	-	-	-	-	-	-	-
						Environmental	5	-	-	-	-	-	5	-
						Construction	548	-	-	-	-	-	548	-
						Project Total	568	-	-	-	-	-	568	568
TT0560	5	U S 80	At Butterfield Wash	0.1	Drainage Improvements	Scoping	-	-	-	-	-	-	-	-
						Design	25	-	-	-	-	-	25	-
						Right-of-way	-	-	-	-	-	-	-	-
						Utility Relocation	-	-	-	-	-	-	-	-
						Environmental	10	-	-	-	-	-	10	-
						Construction	110	347	-	-	-	-	457	-
						Project Total	145	347	-	-	-	-	492	492
TT0510	4	Union Hills Drive	115th Avenue to 107th Avenue	1	Contribute to Flood Control District project	Scoping	-	-	-	-	-	-	-	-
						Design	-	-	-	-	-	-	-	-
						Right-of-way	-	-	-	-	-	-	-	-
						Utility Relocation	-	-	-	-	-	-	-	-
						Environmental	-	-	-	-	-	-	-	-
						Construction	367	-	-	-	-	-	367	-
						Project Total	367	-	-	-	-	-	367	367
TT0008	Various	Various	N/A	N/A	Property Management on prior year TIP Projects	Scoping	-	-	-	-	-	-	-	-
						Design	-	-	-	-	-	-	-	-
						Right-of-way	50	50	50	50	50	250	-	-
						Utility Relocation	-	-	-	-	-	-	-	-
						Environmental	-	-	-	-	-	-	-	-
						Construction	-	-	-	-	-	-	-	-
						Project Total	50	50	50	50	50	250	250	250
TT0011	Various	Various	N/A	TBD	System Infill of right-of-way on Road System	Scoping	-	-	-	-	-	-	-	-
						Design	-	-	-	-	-	-	-	-
						Right-of-way	150	200	200	200	200	950	-	-
						Utility Relocation	-	-	-	-	-	-	-	-
						Environmental	-	-	-	-	-	-	-	-
						Construction	-	-	-	-	-	-	-	-
						Project Total	150	200	200	200	200	950	950	950
TT0365	All	Various	TBD	TBD	Install traffic calming devices on roads as requested	Scoping	-	-	-	-	-	-	-	-
						Design	80	80	80	80	80	400	-	-
						Right-of-way	-	-	-	-	-	-	-	-
						Utility Relocation	-	-	-	-	-	-	-	-
						Environmental	-	-	-	-	-	-	-	-
						Construction	120	120	120	120	120	600	-	-
						Project Total	200	200	200	200	200	1,000	1,000	1,000

Transportation System Management (TSMAN) cont.

Project Number	District	Road	Limits	Miles	Scope of Work	Activity	FY 18	FY 19	FY 20	FY 21	FY 22	FY 2018 to 2022 Total (\$1,000's)	County Funding	Federal & Partner Funding	
TT0550	All	Various	See Notes 5 & 6 below	N/A	Replace obsolete traffic equipment at 27 intersections by installing video detection cameras at 16 intersections and new controllers at 11 intersections.	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	100	-	-	-	100	-	-	
Project Total							730	-	-	-	-	730	730	-	
TT0487	4	Yuma Road	At Jackrabbit Trail	0.1	Install Traffic Signal	Scoping Design Right-of-way Utility Relocation Environmental Construction	-	-	-	-	-	-	-	-	
Project Total							2,226	-	-	-	-	2,226	2,236	-	
Total							39,323	20,320	18,395	450	450	450	78,938	78,938	-

Notes

5. TT0550 - Install video detection cameras at 16 locations: McDowell Rd at 92nd St and at Longmore Rd; Riggs Rd at Dobson Rd, Glenburn Dr, and at E. J. Robson Blvd; Bethany Home Rd at Dysart Rd; Indian School Rd at 111th Ave; Missouri Ave at Dysart Rd; MC 85 at 119th Ave and at Sarival Ave; Northern Ave at Reems Rd; Olive Ave at 103rd Ave; Palmeras Dr at 99th Ave; Alabama Ave at 111th Ave; Memorial Dr at Daisy Mountain and at Gavilan Peak Pkwy.

6. TT0550 - Upgrade signal controller components at 11 locations: Olive Ave at 99th and at 114th Ave; Indian School Rd at 103rd Ave and at Westwind Pkwy; MC 85 at 99th Ave; Alabama Ave at 99th Ave; Peoria Ave at 103rd, 107th and at 111th Ave; R H Johnson at 151st Ave; and, McDowell Rd at 91st Ave.