

# TIP and Programming

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# ALL ITEMS LOCATED ON THE WEBPAGES:

- TIP website <http://www.azmag.gov/TIP>
- RTP <http://www.azmmag.gov/RTP>
- We publish the Transp. Programming guidebook annually.
  - Includes Schedules, funding levels, Goal and objectives of each program, evaluation criteria
  - Program specific Policies and Procedures.
  - We publish the applications online
  - Technical evaluation, of proposed budget, schedule and project
  - Includes Quantitative criteria; crash rates, adt, pop served
  - Includes Qualitative criteria such as agency's priorities, scheduling to coincide with other activities

# MONITOR AND TRACK

- Twice a year a workbook is distributed to our project sponsors to fill out their current project development schedule, and updated cost estimates.
- Commitment letters required for all projects that are in the near term two years of the TIP.
- Allow one time deferral only. Reasons must be due to elements outside of the agency's control. Second deferrals must go to Tech committee for revised schedule and agency must address how they are handling the cause of the delay. Agency presents to Management and Regional Council
- Multiple times during the year the ledger is evaluated against the TIP listings and status report to ensure funding is fully used.
- Loan program

# CMP Tool

- Developed with the assistance of **representatives** from each modal area
- Has two major evaluative components: **Quantitative data and Qualitative**
- Much of the qualitative criteria included in the CMP Tool was taken from **historic** evaluation criteria from the modal committee process
- Assists in **documenting** the ranking process
- Assists with making programmatic **decisions** as funding increases or decreases
- The CMP tool is **adaptable** to current conditions



# Regional PM Framework

modes

RTP  
goals and  
objectives

Focus Area/Mode	Limited Access Highways (GP)	HOV Lanes	Arterials	Transit	Freight	Bicycle/Pedestrian (Non-Motorized)
Travel Time, Delay, & Reliability	Mean and 80 <sup>th</sup> -95 <sup>th</sup> Percentile & Point-to-Point Travel Time	Mean and 80 <sup>th</sup> -95 <sup>th</sup> Percentile & Point-to-Point Travel Time	Mean and 80 <sup>th</sup> -95 <sup>th</sup> Percentile & Point-to-Point Travel Time	Point-to-Point Travel Times	Point-to-Point Travel Times	
	Congestion – Spatial & Temporal					
	Travel Time Variability	Travel Time Variability	Travel Time Variability	On-time Performance		
Incident Management	Incident Clearance Time		Incident Clearance Time			
Mobility – Throughput (People/Freight)	Volume (Person and/or Vehicle)	Volume (Person and/or Vehicle)	Volume (Person and/or Vehicle)	Ridership – by mode	Freight Volume	<i>Bicycle/Pedestrian LOS**</i>
	On-Ramp Queue Size		Intersection LOS – based on V/C	Peak Hour Load Factor (Average Load Factor on Express bus/freeway BRT)	<i>Commodity flows from, to, within, and through the region, by mode</i>	<i>Per capita miles traveled</i>
	Lost Productivity		Signal Cycle Failures/ Intersection Queue Size			
	Per Capita VMT		Per Capita VMT	Boardings per Revenue Mile		
Safety & Security	Crash/Injury/Fatality Rate		Intersection Crash Ranking	Crash Rate	Crash/Injury/Fatality rates for large truck involved crashes on the freeway system	Crash Totals for the Region
			Crash/ Injury/Fatality Rate	Transit Crime Rate (Safety Incidents per 100k vehicle miles)	Crash/Injury/Fatality rates for large truck involved crashes on the arterial system	<i>Number of Schools participating in Safe Routes to Schools program</i>
System Accessibility & Modal Options				Percent of Park and Ride Capacity Used	<i>Percent of freight terminals/ intermodal facilities (air, rail, and truck cargo) located within 5 miles of a freeway</i>	<i>Sidewalk and/or Bicycle Network Completeness</i>
				Vehicle Revenue Miles of Service		<i>Availability of Safe Street Crossing Facilities for Access to Transit Stops</i>
				<i>Percent of population residing within 1/4 mile of local bus and 1/2 mile of LRT/Express Bus</i>		<i>Bicycle Storage Facilities</i>
				Transit share of travel (by mode)		Bicycle/Pedestrian share of travel
System Preservation	<i>Bridge/Pavement Condition Rating</i>	<i>Bridge/Pavement Condition Rating</i>	<i>Bridge/Pavement Condition Rating</i>			
Environmental Preservation	<i>Air Quality Index</i>	<i>Air Quality Index</i>	<i>Air Quality Index</i>	<i>Air Quality Index</i>	<i>Air Quality Index</i>	<i>Vehicle Emissions Reduced by Pedestrians and Bicycle Users</i>
Quality of Life	<i>Customer Satisfaction</i>	<i>Customer Satisfaction</i>	<i>Customer Satisfaction</i>	<i>Customer Satisfaction</i>	<i>Customer Satisfaction</i>	<i>Customer Satisfaction</i>
	Participation in MAG Region Trip Reduction Program		Participation in MAG Region Trip Reduction Program	Participation in MAG Region Trip Reduction Program		Participation in MAG Region Trip Reduction Program
Cost Effectiveness	<i>Trips served/Time Savings per dollar invested</i>	<i>Trips served/Time Savings per dollar invested</i>				