

Plan, design, build, operate, and maintain infrastructure that promote economic vitality and...

**Manage and maintain infrastructure that meets or exceeds widely accepted industry standards**

Establish and follow Regional Design and Construction Standards

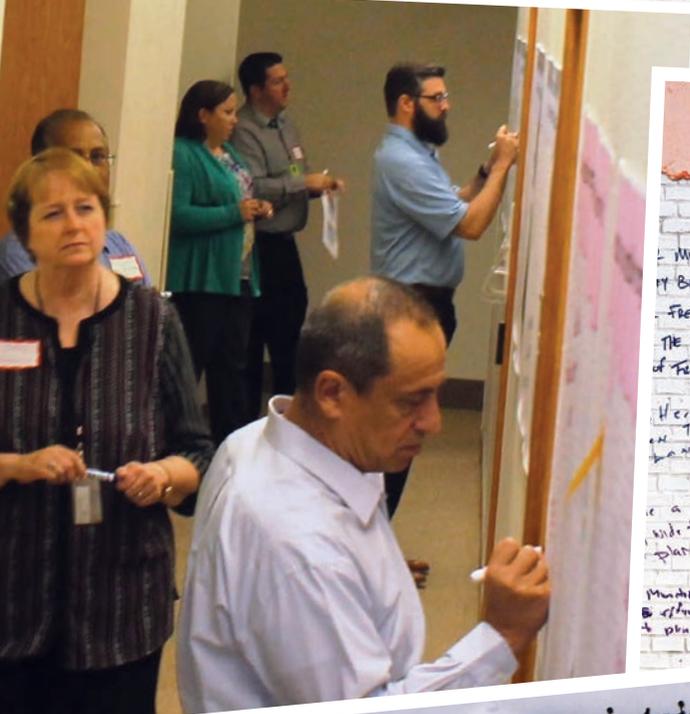
Look for Opportunities to grade, separate RR crossings or close

Develop

Plan, design, build, operate, and maintain infrastructure that promote economic vitality and...

**Promote economic vitality**

Plan, design, build, operate, and maintain infrastructure that promote economic vitality and...



**Provide safe and effective connectivity between infrastructure, transportation modes and users**

MULTIMODAL

Efficient

Regional Community Network (RCN)

Reduce transfer time. Measure transfer time. Measure travel time.

**Promote economic vitality**

Plan, design, build, operate, and maintain infrastructure that promote economic vitality and...

In the evaluation process create alternatives for proper mitigation of negative impacts and increase opportunity for positive.

Reduce transfer time. Measure transfer time. Measure travel time.

Plan, design, build, operate, and maintain infrastructure that promote economic vitality and...

**Include maintenance in project budgets when approved**

Part maintenance agreements in writing + signed by partners

Need of doing growing a... abilities/challenges must be included in building & maintenance activities

Perform... for...

Plan, design, build, operate, and maintain infrastructure that promote economic vitality and...

**Reduce impacts cultural**

Plan, design, build, operate, and maintain infrastructure that promote economic vitality and...

December 2015

# Transportation System Plan 2035,

Our partners helped us shape the goals, objectives, and strategies for our 20-year Transportation System Plan. And we had fun doing it.

# Goals and Objectives



Maricopa County Department of Transportation

## Goal: Promote quality of life and economic vitality

*Objective: Anticipate and accommodate the needs of a growing population.*

Strategies:

- Design the transportation system to accommodate drivers with different needs and abilities, including aging and inexperienced drivers.
- Identify all user needs (physical, social, and economic abilities) and create networks and systems that respond to the needs.
- Develop designs that are context sensitive.

*Objective: Provide opportunities for economic development.*

Strategies:

- Support economic growth and the associated infrastructure needs.
- Strengthen partnerships with the development and business community to identify long-term needs.
- Ensure the MCDOT Transportation System Plan 2035 aligns with the goals and objectives of the Maricopa County Comprehensive Plan.
- Recognize key freight facilities and routes.

*Objective: Evaluate potential impacts to socioeconomic, cultural and natural resources.*

Strategies:

- Review socioeconomic data within the project development process.
- Respect the needs of the public; seek out and facilitate the involvement of those potentially affected.
- Perform preliminary investigations for cultural, biological, and natural resources for projects during the planning stage.

## Goal: Provide a system that is safe and efficient for all modes of travel

*Objective: Provide safe and efficient connectivity among infrastructure, transportation modes, and users.*

Strategies:

- Consider shared-use transportation corridors when relevant to roadway classification.
- Ensure accommodation of all travel modes (bike, pedestrian, etc.).
- Leverage use of Intelligent Transportation System (ITS) to facilitate efficiency between travel modes.

*Objective: Develop Intelligent Transportation System technologies.*

Strategies:

- Continue to participate in and enhance the coordination and connectivity of ITS systems across jurisdictions.
- Incorporate connected vehicle technologies into ITS systems.
- Continue to co-lead AzTech Partnership and Participate in ITS committees.

*Objective: Monitor the Transportation System as warranted; enhancing capacity and safety.*

Strategies:

- Enhance corridor monitoring and improve communication, including Advanced Traveler Information, with the traveling public.
- Prioritize new projects based on safety and capacity performance goals.
- Collaborate and advance traffic incident management through the Regional Emergency Action Coordinating Team (REACT).

## Goal: Encourage a seamless regional transportation network.

*Objective: Develop and integrate operational technology throughout transportation corridors by partnering with other agencies.*

Strategies:

- Continue traffic management and operations leadership in AZTech and work to achieve its goals and strategies.
- Expand the MCDOT ITS network and support other local agencies' ITS activities and increase communication across jurisdictions.

*Objective: Facilitate coordination for regional projects.*

Strategies:

- Keep partners informed of regional projects. Clearly identify roles and expectations.
- Provide adequate time and information for each plan and project to allow adequate input from all affected.
- Establish regularly scheduled coordination meetings with all partners.

*Objective: Build and sustain regional partnerships and relationships.*

Strategies:

- Provide regular forums for information sharing amongst TSP partners.
- Facilitate the sharing of information and data.
- Develop and maintain partnerships with private entities to ensure proper land use development, economic development, and community investment.

## Goal: Protect past and future transportation investments through strategic system preservation.

*Objective: Preserve capacity through efficient traffic management.*

Strategies:

- Update and adopt Access Management Guidelines.
- Foster and create opportunities for regional and corridor traffic management through signal timing, ITS, technical updates, Integrated Corridor Management (ICM), or other emerging methods.
- Apply Transportation Systems Management & Operations (TSMO) principles to optimize existing infrastructure and respond to future transportation needs.

*Objective: Manage and maintain infrastructure that meets or exceeds widely accepted industry standards.*

Strategies:

- Update methodology used to monitor the maintenance needs of the existing system.
- Balance funding priorities between capital investment and maintenance and operational needs.
- Periodically evaluate and improve facility standards; seek opportunities for innovation.
- Consider lifecycle costs when assessing whether to maintain or reconstruct a facility.
- Develop performance measures and assess annual achievements.
- Apply dust mitigation strategies for dirt roads within PM-10 attainment areas.





**Develop a seamless**

**coordination for regional projects**

SE CORRIDOR ENHANCEMENT  
 LOOKS LIKE AT A SYSTEM OF  
 COMMERCIAL + FREIGHT GENERATION  
 DEVELOP EVALUATION PROGRAM TO  
 COMPARE LOW RISK COLLABORATIVE  
 MODELS W/ PRIVATE INDUSTRY TO  
 ENSURE COMPATIBLE TRANSPORTATION  
 LAWS USE PRACTICES

Yes!!  
 provide Regional leadership

Develop communication and  
 collaboration between other  
 agencies is needed.

**Preserve capacity through efficient traffic management**

Establish where "Capacity" falls in priority list

Street access critical on arterials

Railroad traffic W/ 20  
 - Grade Crt redundant Major Ron

Integrate "autonomous vehicle" technologies and performance based on challenges can allow for increased capacity without making us modify roadway.

Communications in every sense

