MARICOPA ASSOCIATION of GOVERNMENTS

# MARC Scenario Planning Workshop Jan 31, 2017

Part 1 – Imagining What the Future Will Bring Monique de los Rios-Urban – Performance Program Manager – mdelos@azmag.gov Two weaknesses shared by all the tools include **limited linkages** to other, more in-depth, models (econometric, travel, etc.) and a limited ability to capture stakeholder discussion and comments during tool application.

NCHRP08-36(117)\_FR.pdf

We need to move beyond what we already know.....

Transcend Connect Integrate Engage the new realities Build the ecosystem

> Beyond : Speed Being Safe Saving time



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## **Next generation scenario planning** aims "to capture a broader range of issues and challenges than previously considered in transportation and land use scenario creation and analysis."

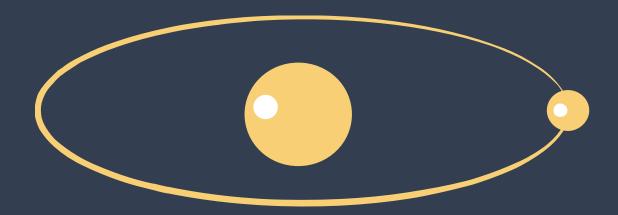
Federal Highway Administration, "New Trends in Transportation and Land Use Scenario Planning." April 2010



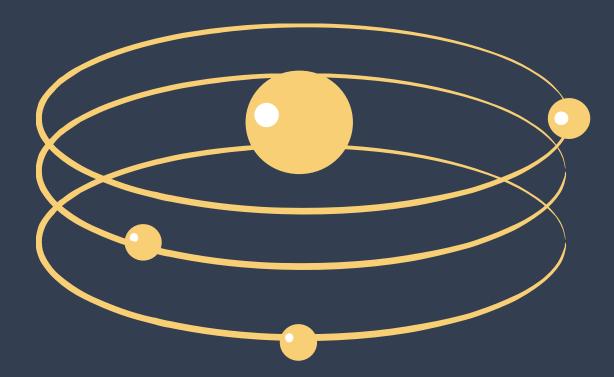








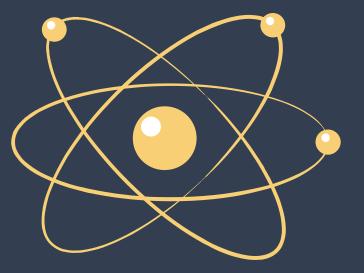




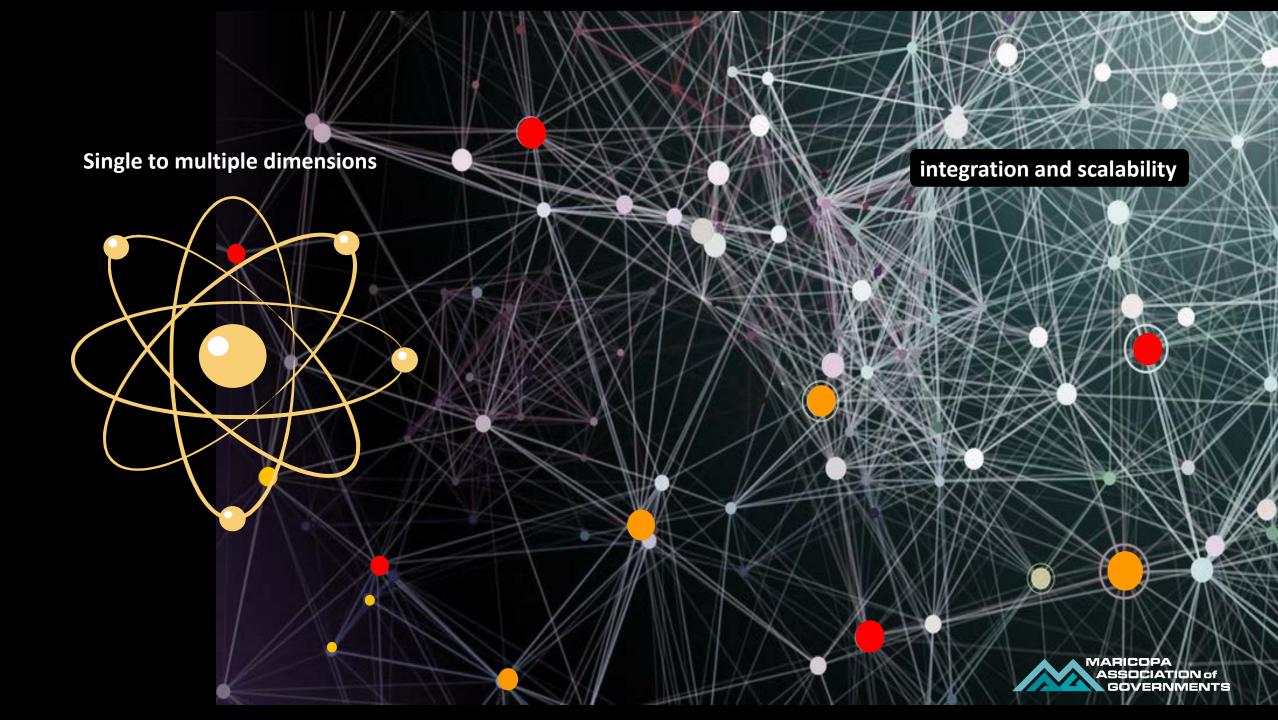


## One set at a time, we are learning about the dynamic relationships and their effect on results









The objective is to 'move the needle'.....but who sees the needle movement?

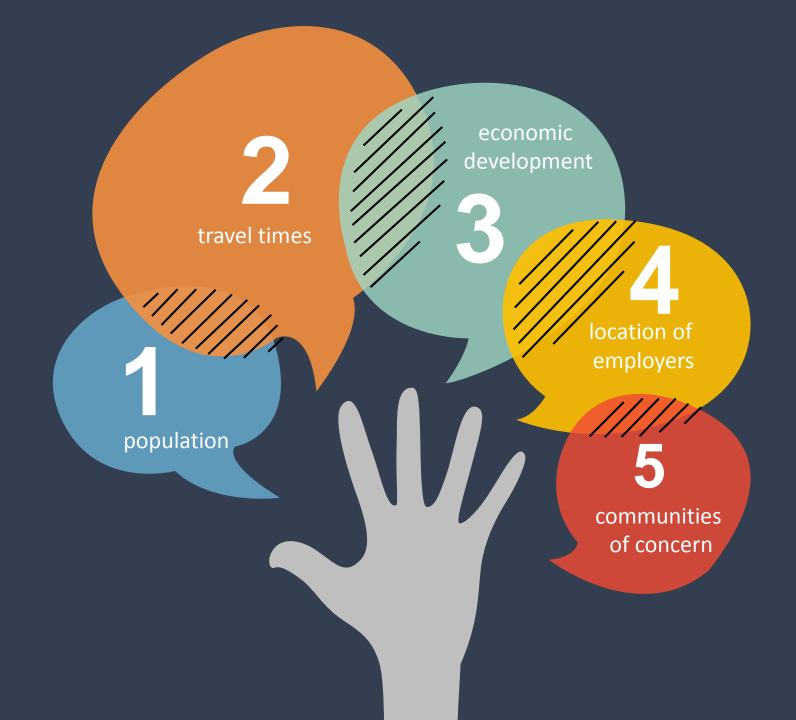










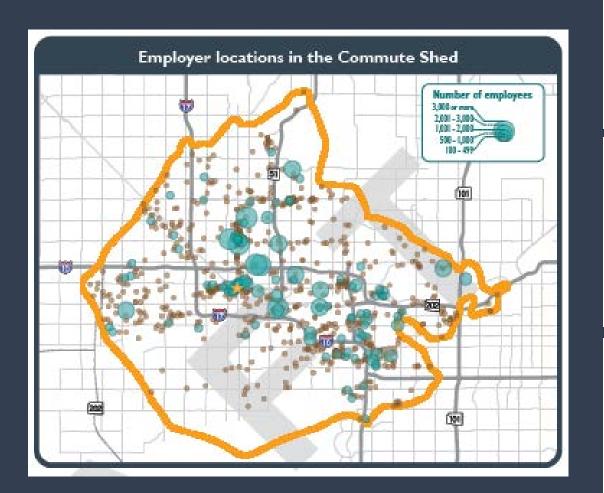




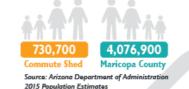
## **Commute Shed Analytics**

30 Minute Inbound Travel Time to Central Avenue and Van Buren Street, Phoenix





#### 2015 Population



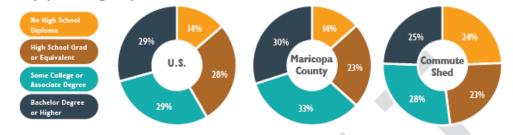
#### Projected Population Growth

2015 to 2020	2020 to 2030	2030 to 2040	2040 to 2050	
Commute Shed 2.3%	Commute Shed 1.7%	Commute Shed 0.8%	Commute Shed 0.3%	
Maricopa County 1.9%	Maricopa County 1.7%	Maricopa County 1.3%	Maricopa County 1.1%	

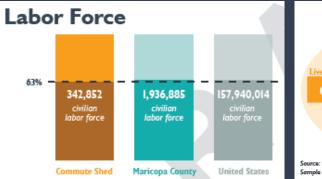
Denotes annual growth rates. Source: Maricopa Association of Governments (MAG), 2016 Population Projections

#### **Educational Attainment**

for the population age 25 years and older



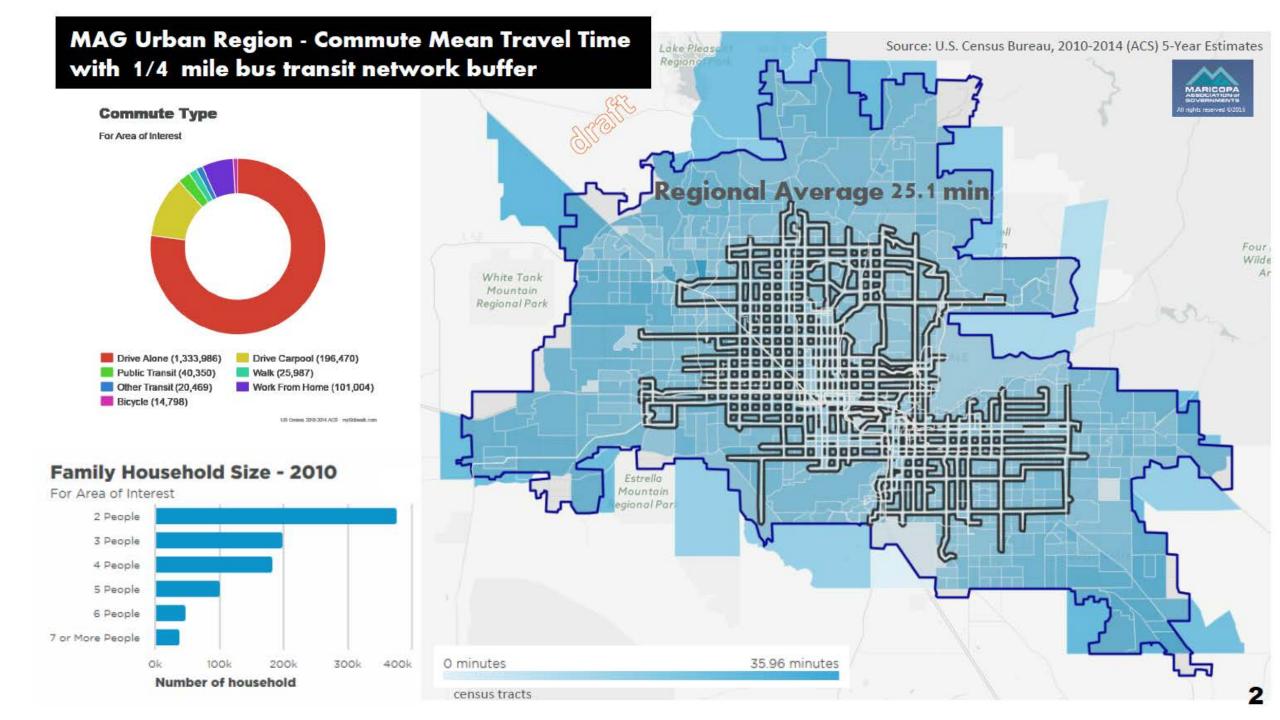
Source: U.S. Census Bureau, 2014 Amercian Community Survey (ACS) 5-year Estimates

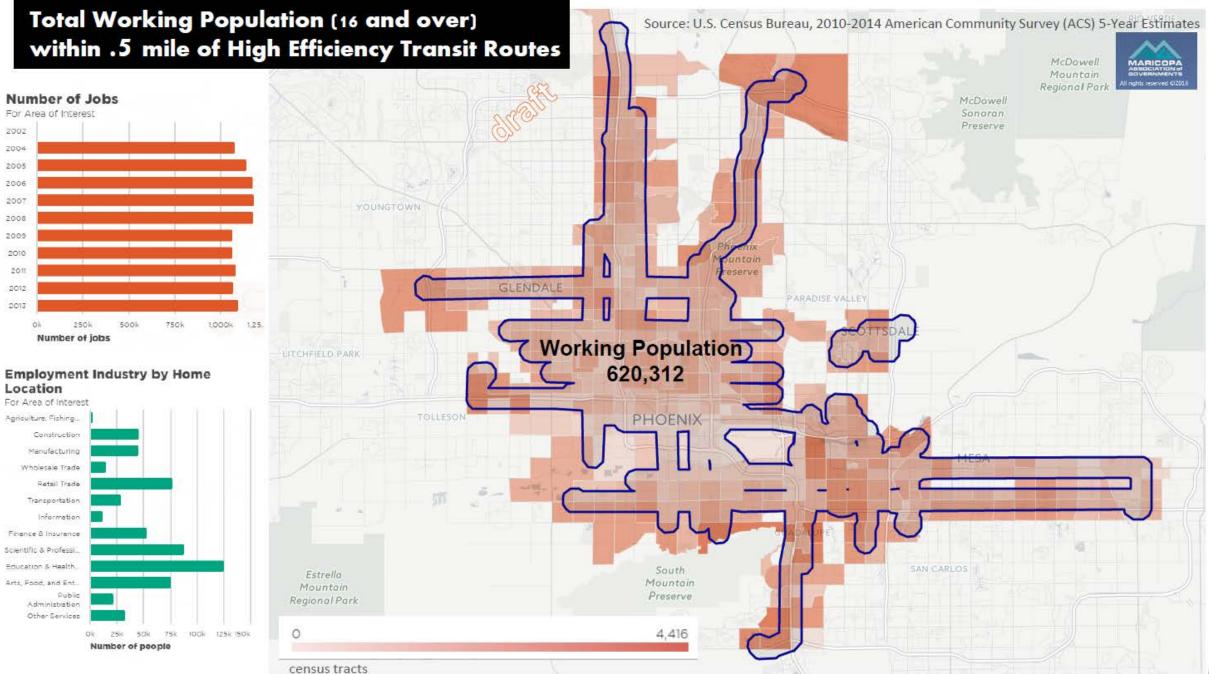


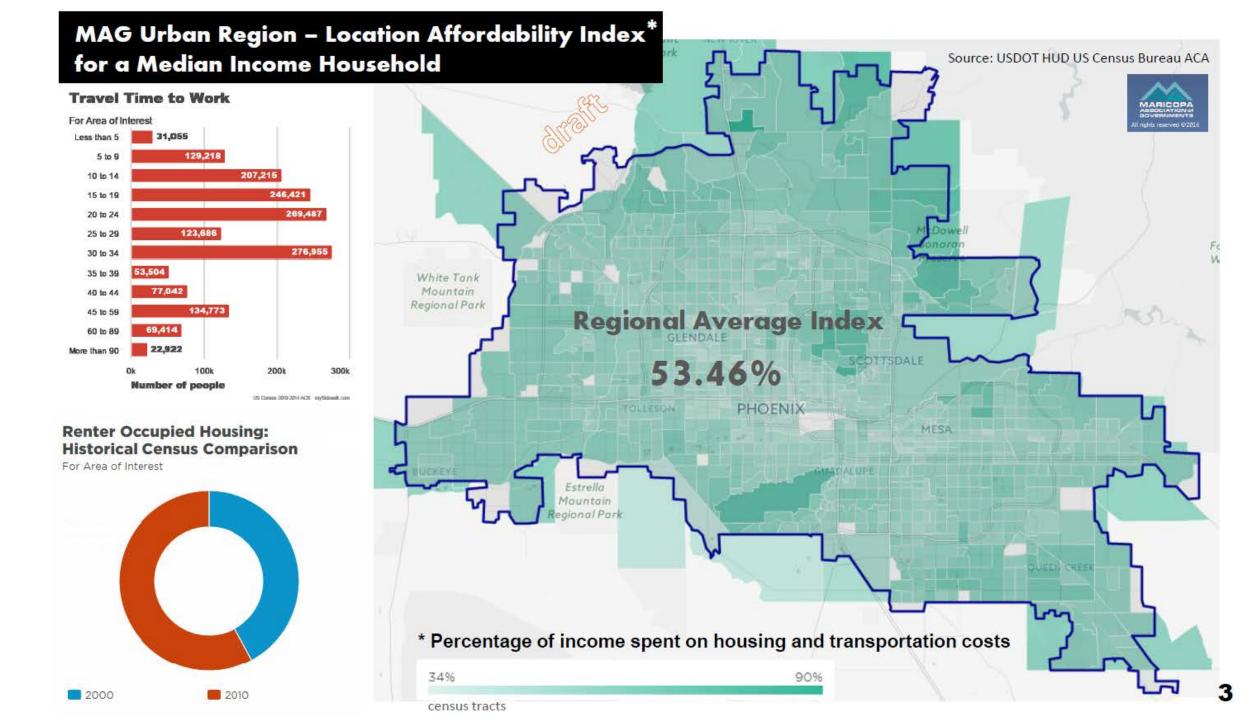
# Worker Commute Flows

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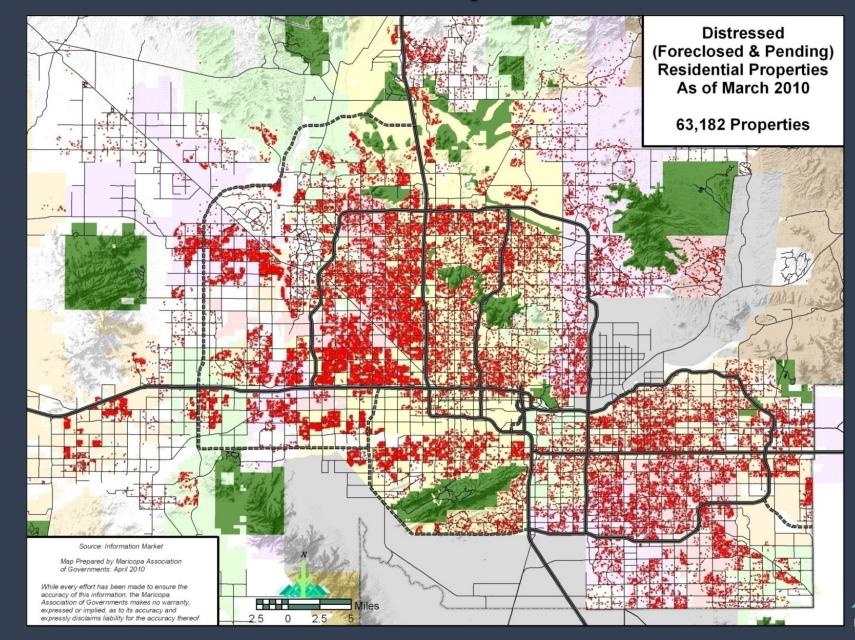
MAG INFORMAATION SYSTTEMS PROGRAM





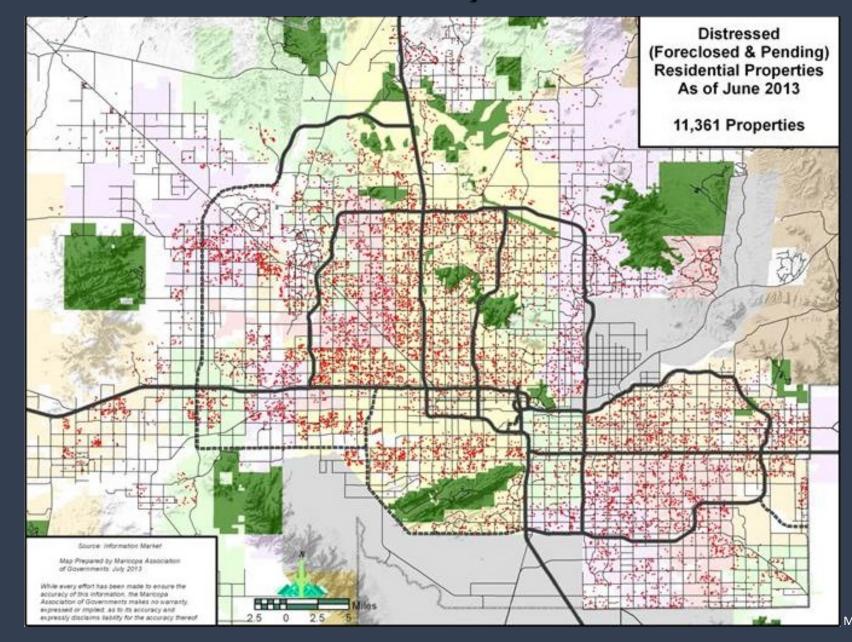


## **Distressed Residential Properties - March 2010**



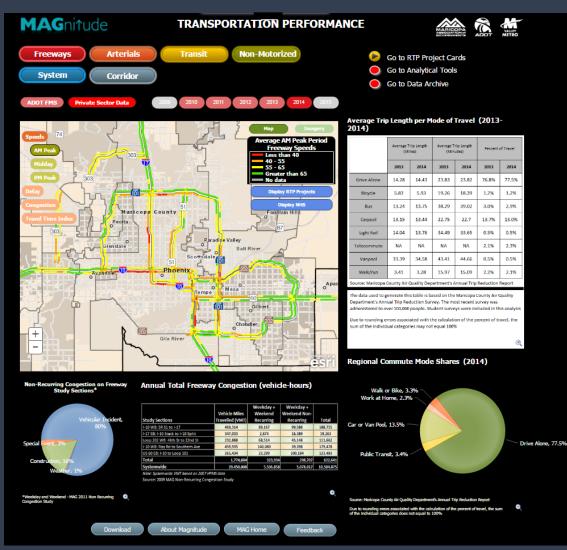
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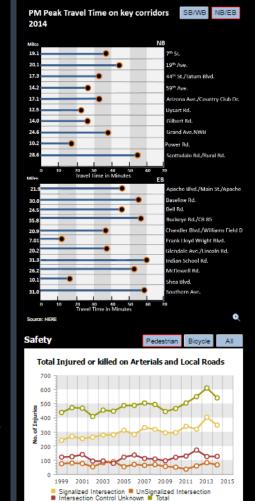
## **Distressed Residential Properties - June 2016**



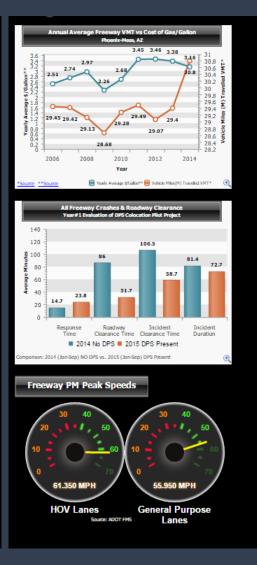
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# http://performance.azmag.gov



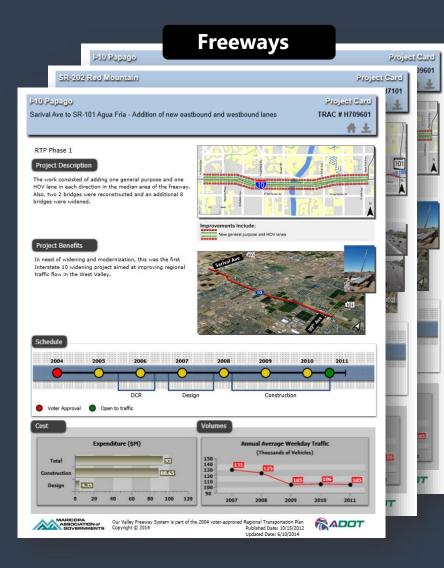


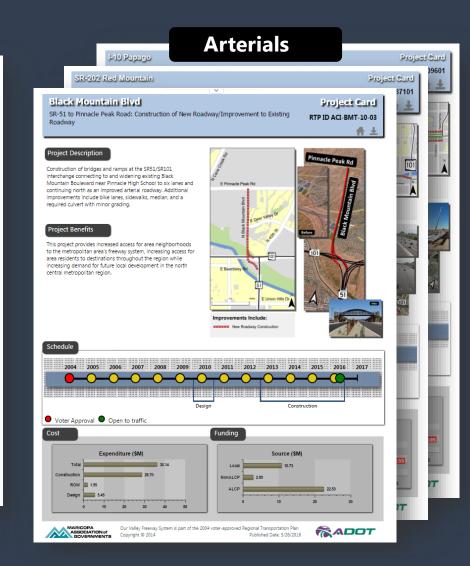
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# **Project Cards** http://projectcards.azmag.gov

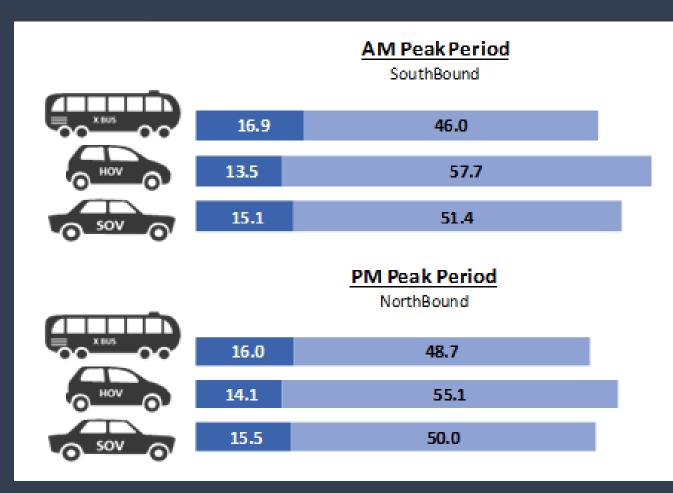




Location
Imagery
Description
Benefits
Schedule
Expenditures
Demand data
Before /After



# **Commute Travel Time Comparison 2015**

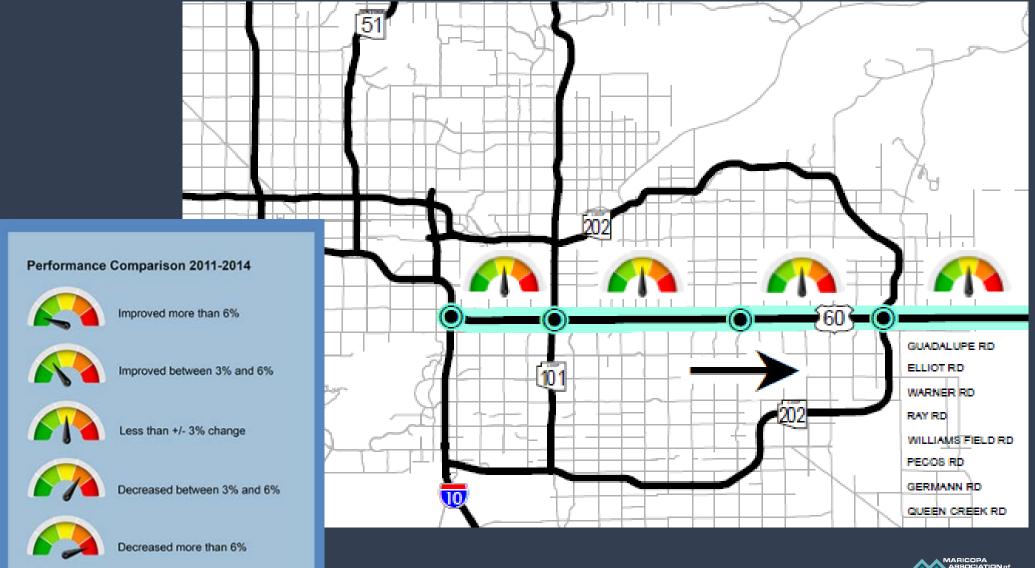








# Before and After Corridor Performance (2011-2014)



MAG PERFORMANCE MANAGEMENT PROGRAM

## Modal Connectivity



MAG PERFORMANCE MANAGEMENT PROGRAM



#### MAG Region Demographic Map Viewer

The Demographic Map Viewer is one of the Maricopa Association of Governments interactive mapping and analysis sites, showing selected population and housing data for the two counties in the MAG Region. Explore data from Census 2010 and American Community Survey (ACS) 2010-2014 5-vear.

View Map »



#### State Demographic Map Viewer

The State Demographic Map Viewer is one of the Maricopa Association of Governments interactive mapping and analysis sites, showing selected population and housing data for the entire State of Arizona. Explore data from Census 2010 and American Community Survey (ACS) 2010-2014 5year.



#### Employment Map Viewer

The Employment Map Viewer is one of the Maricopa Association of Governments interactive mapping and analysis sites, showing selected employer data. Explore the 2015 Employer Database.





#### Read On Arizona MapLIT Viewer

Maricopa Association of Governments is part of Read On Arizona's collaborative partnership that created MapLIT, and interactive mapping tool as a "one stop" resource to identify key data sets (census, school, health, family engagement) that impact early literacy outcomes in communities.

View Map »



#### Land Use Map Viewer

The Land Use Map Viewer is one of the Maricopa Association of Governments interactive mapping and analysis sites, showing land use data. Explore the MAG 2014 Existing and Future Land Use datasets.





#### Bikeways Map Viewer

The Bikeways Map Viewer is one of the Maricopa Association of Governments interactive mapping sites, showing locally-designated bicycle facilities data. Explore the MAG 2014 Bikeways datasets.



## Read On. ARIZONA

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View Map »



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#### MAG Neighborhood Explorer

The MAG Neighborhood Explorer is one of the Maricopa Association of Governments interactive mapping and analysis sites, showing landmark data. Explore the MAG 2016 Building Landmark Inventory datasets.





#### Projections Map Viewer

The Projections Map Viewer is one of the Maricopa Association of Governments interactive mapping and analysis sites, showing socioeconomic projections data. Explore the MAG 2016 Socioeconomic Projections series dataset.



# Victim Services

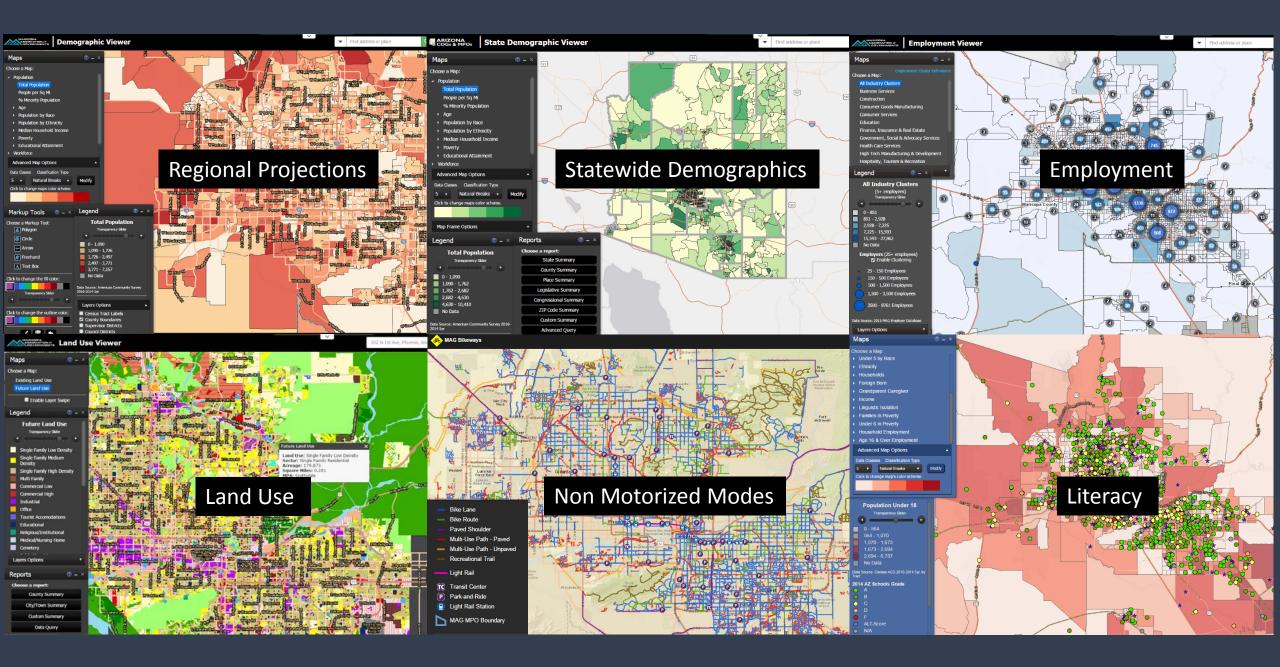
Map Viewer

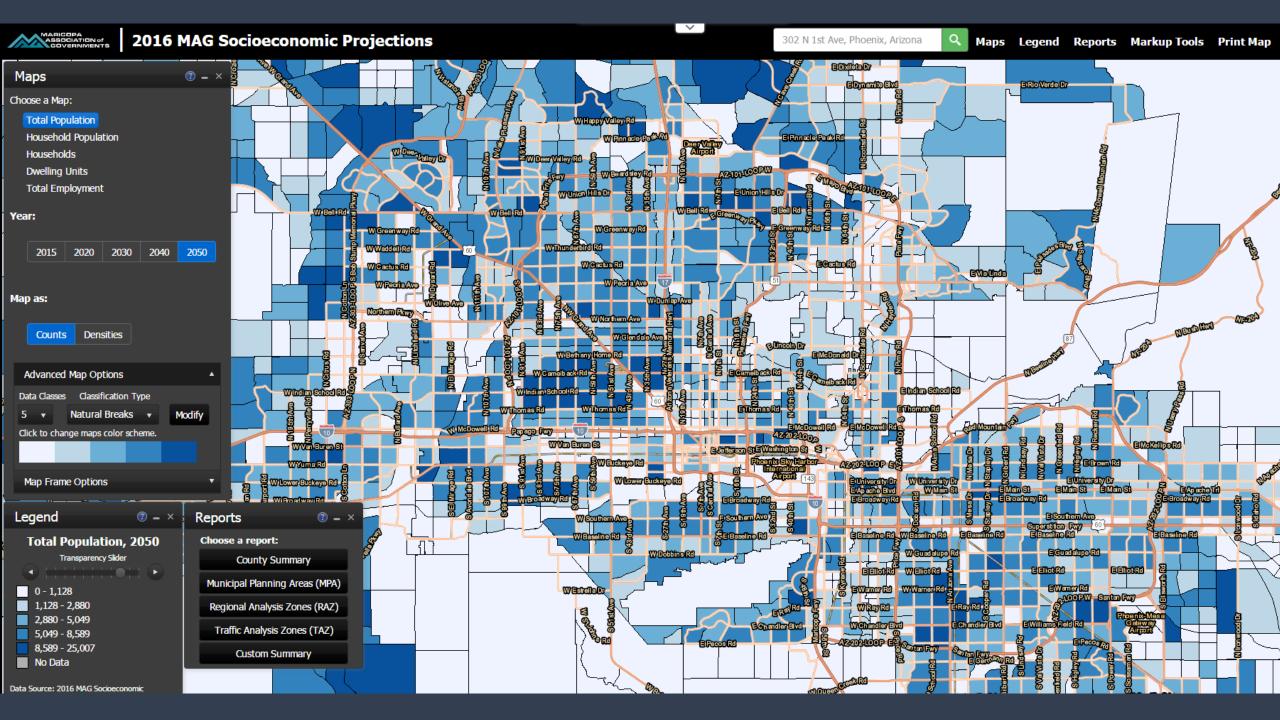
The Victim Services Map Viewer is one of the Maricopa Association of Governments interactive mapping sites, showing victim advocate services data. Explore the MAG 2012 victim advocates services datasets.



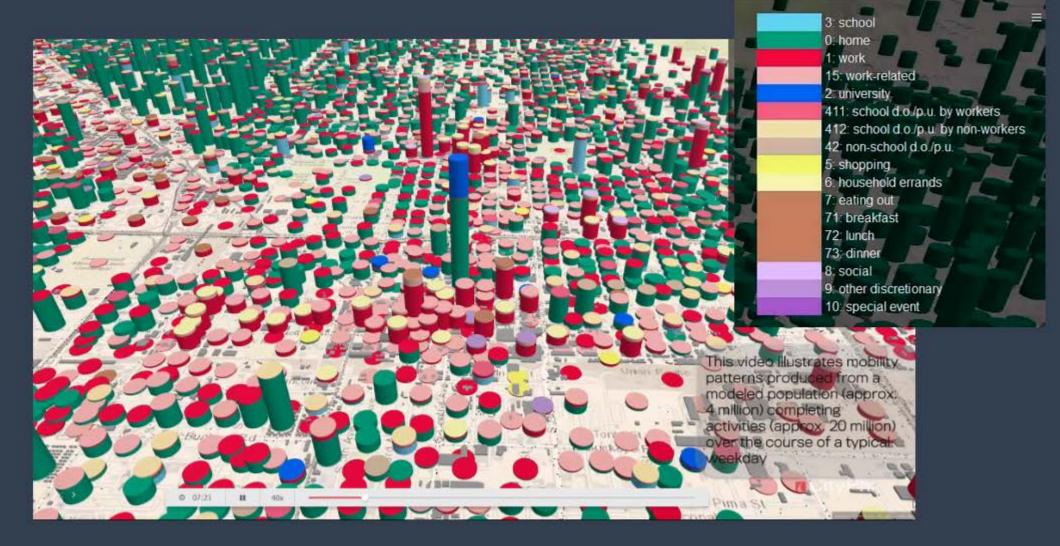






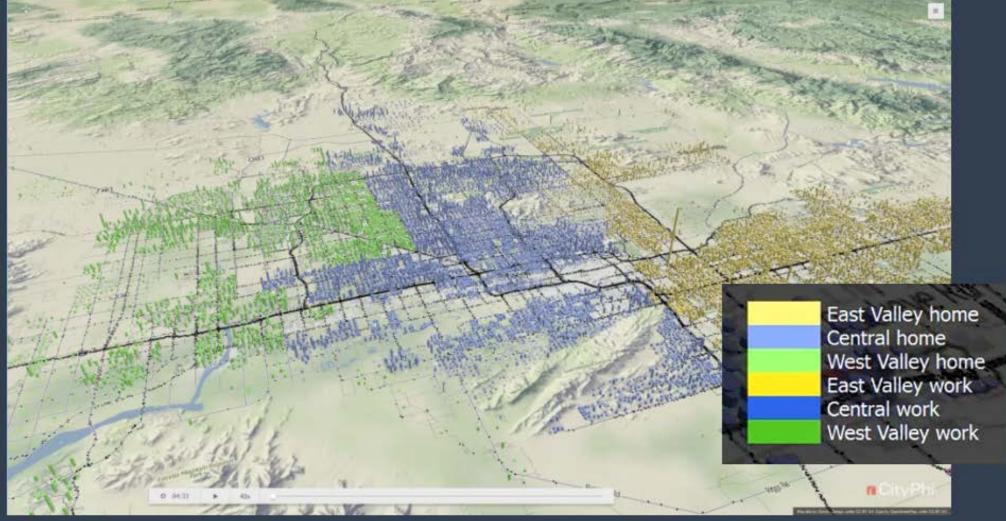


## **Population Movements – 4 million Scenario**



MAG SYSTEMS ANALYSIS PROGRAM

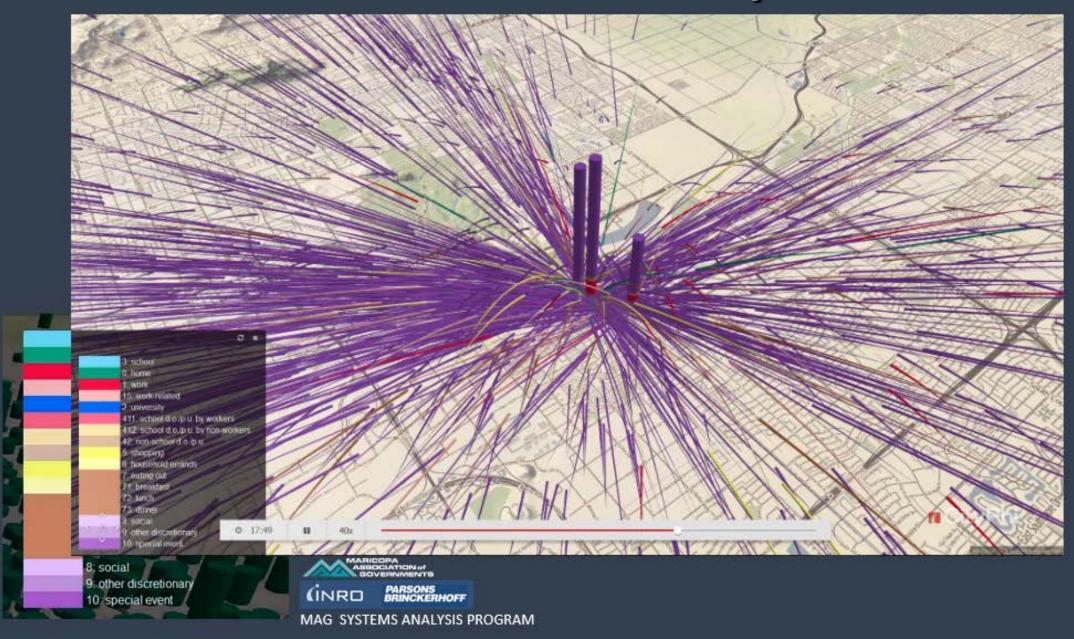
## **Employment Patterns by District**



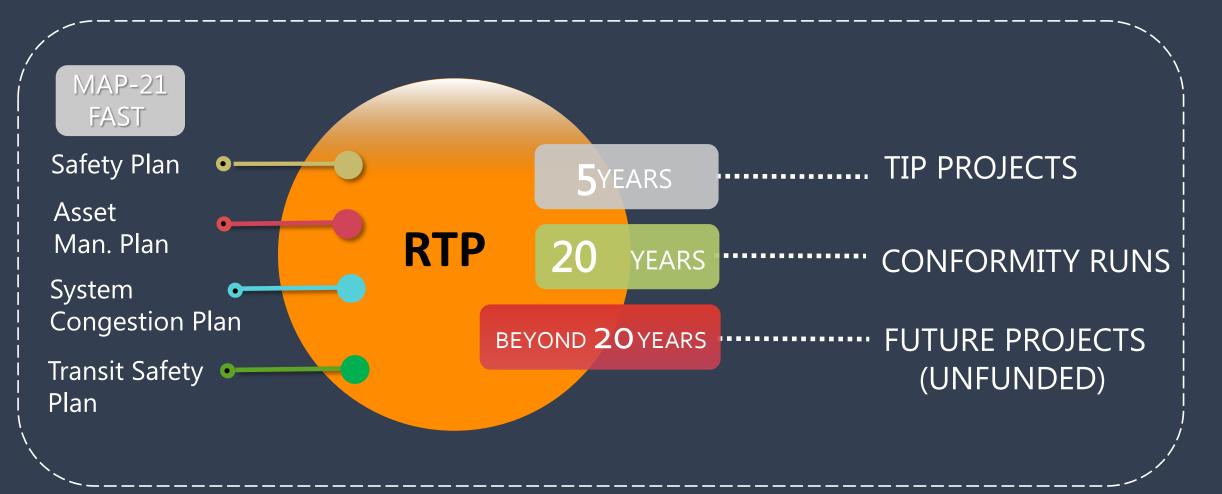




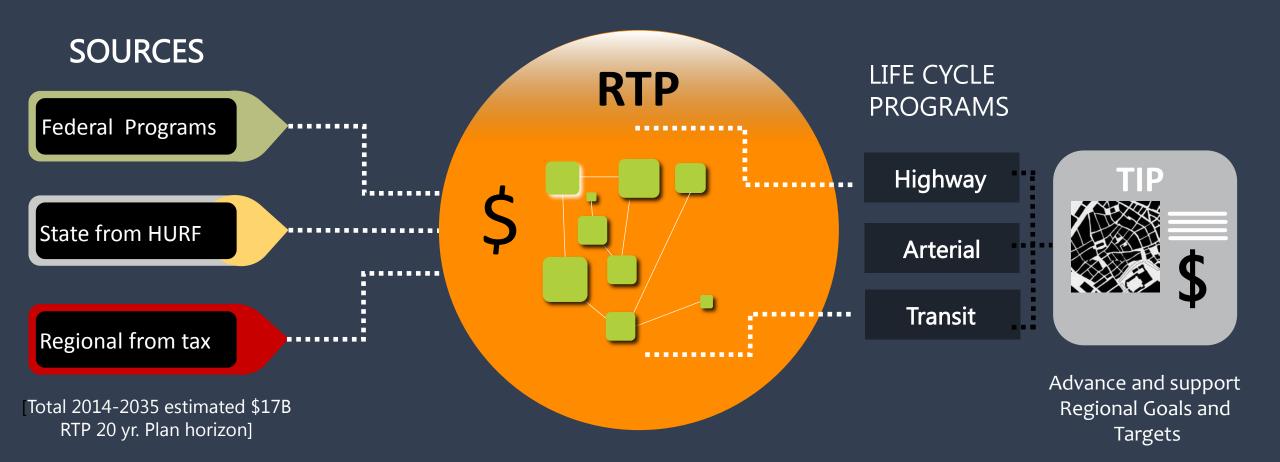
## **New Years Eve Block Party Event**



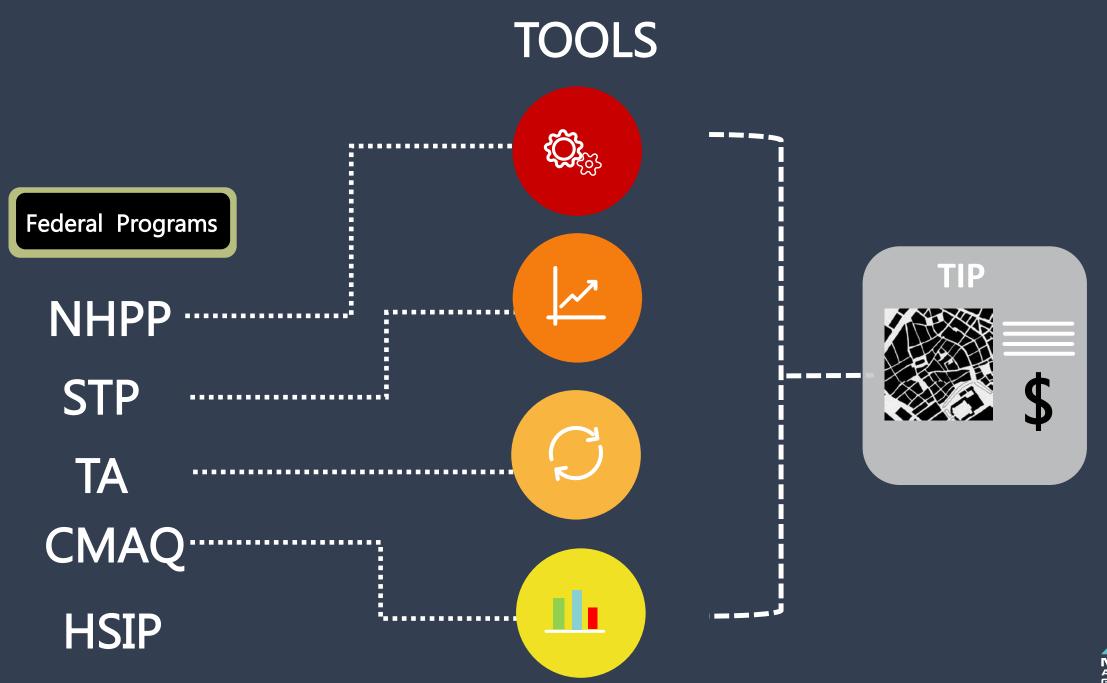
## MPO INVESTMENT UNIVERSE















## TOOL

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4			
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				100%	
PHX BikePed 6	Phoenix	Regional BikeShare Along Metro Rail Corridor Phy to Tempe	3	5.0	2.0
CVX-8kePe6-1	Cave Creek	Cave Creek/Carefree Bike Lanes	2	61	3.0
WA-BIARAS I	Maricopa County	5' Bike Lanes on McDowell Rd, 78th St to Usery Pass	4	6.9	4.0
VES-BINePed-1	Mesa	Rio Salado Shared Use Pathway - Segment 3	6	7.5	5.0
PrildlePepi	Phoenix	Roosevelt Row Bike Lane and Sidewalk Improvement	5	7.6	6.0
AVN-BNePed-1	Avondale	Agua Fria Asphalt I-10 Underpass	1	14	7.0
TNP-OkePes-C	Тепре	Shared Use Path Priest Drive Underpass	1	27	10
CLN-BiteField 3	Glendale	New River North Shared Use Pathway	1	14	7.8
PHIAMPAN	Phoenix	Rio Salado 12' Shared Use Pathway, 32nd Street to 40th Street	30	10.0	3.0
PHX-BiteReb1	Phoenix	32nd Street Bike Lanes: SR51 to Reach 11	ш	113	10.0
PrindlePetro	Phoenix	12' Shared Use Pathway Rio Salado Pathway - 40th Street to SR143	9	11.7	11.0







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### **MAG**ni<sup>+</sup>ude

#### Transportation Performance Dashboard



interactive visualization tool for regional multimodal transportation information and analysis

#### performance.azmag.gov

In collaboration with the Arizona Department of Transportation and Valley Metro



Project Cards



informational viewer tool for all completed and underway RTP Freeway projects and Light Rail transit projects

#### projectcards.azmag.gov

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