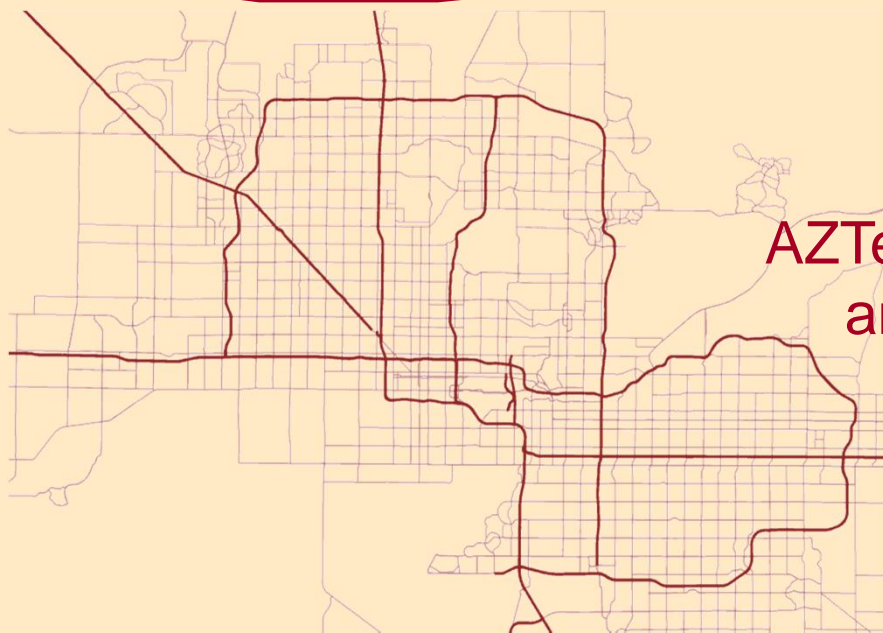
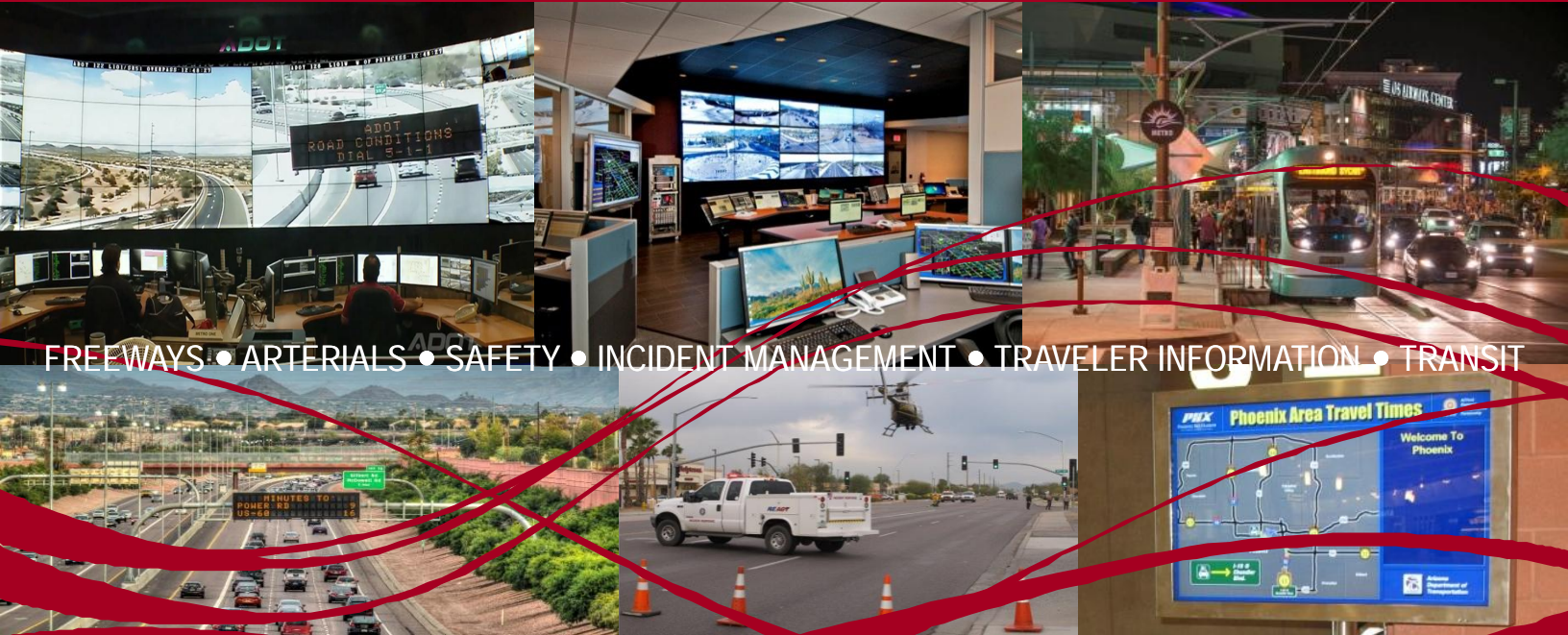


AZTech™ TRAFFIC MANAGEMENT AND OPERATIONS PERFORMANCE INDICATORS BOOK – 2013

Phoenix Metropolitan Region



Developed by the
AZTech™ Strategy Task Force
and Operations Committee



REGIONAL INTELLIGENT TRANSPORTATION SYSTEM PARTNERSHIP

PARTNERS / CONTRIBUTORS

The AZTech™ Regional Intelligent Transportation System Partnership wishes to thank and acknowledge the contributors of the AZTech™ Traffic Management and Operations Performance Indicators Book. The following member agencies of the AZTech™ Strategy Task Force and AZTech™ Operations Committee collaboratively contributed data, graphics, text and other information towards the development of this publication:

Agency	Contributors
Federal Highway Administration	Jennifer Brown, Toni Whitfield
Arizona Department of Transportation	Reza Karimvand, Farzana Yasmin, James Minton, Sanjay Paul
Maricopa County Department of Transportation	Nicolaas Swart, Faisal Saleem, Barbara Hauser, Cynthia Lopez
Arizona Department of Public Safety	Cpt. Jeff King, Cpt. Mike Prochko
Maricopa Association of Governments	Sarath Joshua, Eric Nava
Valley Metro	Ratna Korepella
METRO Light Rail	Abhishek Dayal
Avondale, City of	Bennie Robinson, Chris Hamilton
Chandler, City of	Mike Mah, Ben McCawley
Gilbert, Town of	Erik Guderian
Glendale, City of	Trevor Ebersole, Allan Galicia
Goodyear, City of	Luke Albert
Mesa, City of	Tricia Boyer
Peoria, City of	Jamal Rahimi, Steve McKenzie
Phoenix, City of	Ray Dovalina, Bruce Littleton, Marshall Riegel
Scottsdale, City of	Bruce Dressel, Steve Ramsey
Surprise, City of	Albert Garcia
Tempe, City of	Catherine Hollow, David Lucas



FOREWORD

EXECUTIVE COMMITTEE

1

"What gets measured gets done, what gets measured and fed back gets done well..." — John E. Jones

This Region and the AZTech™ Partnership have made some significant traffic operations investments and some impressive strides in advancing traffic management and operational strategies. For nearly two decades, local, county and state agencies in the region have been very focused on improving the way we manage and operate the transportation network. We all strive to improve these functions within our jurisdiction and are also focused on how decisions influence our neighboring agencies...and most importantly, the travelers.

AZTech™ has elevated the need within our own region to actively measure the operational performance of our transportation network. Many agencies are closely monitoring, evaluating and enhancing their individual systems, such as transit partners. The collective effort by the partners to report on traffic management and operations performance was represented within the initial Performance Indicators Book in 2011 and is updated in this second generation AZTech™ Traffic Management and Operations Performance Indicators Book for 2013 data. Important next steps include taking these results to improve how we do things, and taking a closer look at where we need to improve.

Moving Ahead for Progress in the 21st Century (MAP-21), our current highway authorization, emphasizes performance management and monitoring across multiple transportation modes, and in particular identifies reducing congestion and improving reliability of our transportation system among the priority performance goals. We see our efforts here as an important step toward meeting the MAP-21 requirements.

The 2013 Performance Indicator Book is a snapshot of where we are today. Many thanks to those agencies and partners that provided the data and analysis for this second publication of a regional traffic management and operations focused performance report. There is a concerted effort at the AZTech™ Executive Committee to continue to refine those measures that are meaningful and create a framework for ongoing measuring, reporting, and improving how we operate our transportation network.

Traffic management and operations encompasses a lot of activities, and through incremental improvements and focusing our efforts on those activities that will yield the greatest benefits, we will truly provide our travelers with a safe and seamless experience on our transportation network every day.

Executive Committee Chairs

Robert J. Samour, P.E.
Senior Deputy State Engineer for Operations
Arizona Department of Transportation

John B. Hauskins, P.E.
County Engineer/Transportation Director
Maricopa Department of Transportation

AZTECH™ PERFORMANCE DASHBOARD



Performance trending in favorable direction.



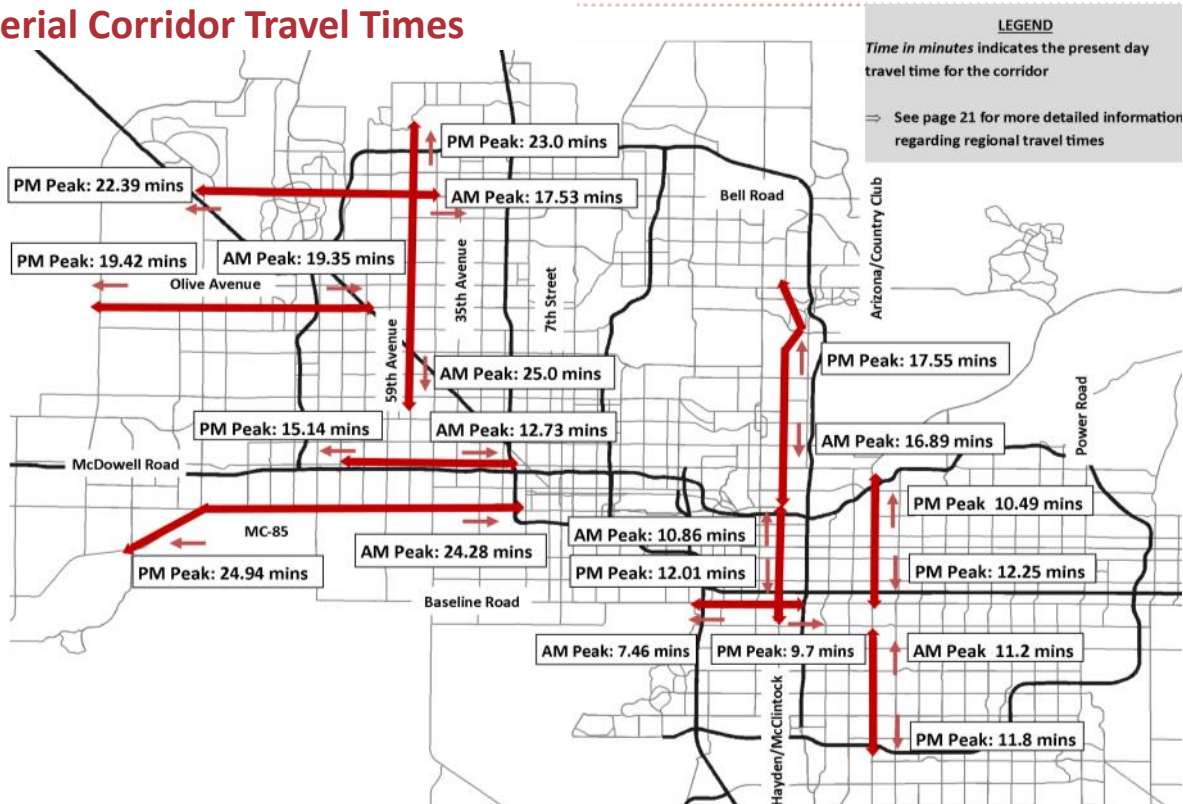
Trend is holding.



Performance is trending in an unfavorable direction.

Policy Goal/ Performance Measure	Previous Reporting Period	Current Reporting Period	Trend		Description
Freeways					
Percent of Miles Congested (out of total of 240 miles measured)	567 miles	612 miles	+7.9%		Overall the freeways are experiencing more congestion where average vehicle speeds drop below 50 mph
Percent of Time Congested Per Mile (out of total of 240 miles measured)	1.77 minutes	2.03 minutes	+14.8%		Overall the freeways are experiencing more congestion where average vehicle speeds drop below 50 mph
Arterials					
Bell Road Westbound PM Peak Travel Time	26:05 min	22:23 min	-14.2%		Bell Road has seen an overall reduction in travel time
McDowell Road Eastbound AM Peak Travel Time	16:59 min	12:44 min	-25.1%		McDowell Road has seen an overall reduction in travel time
Hayden Road Northbound PM Peak Travel Time	21:34 min	17:48 min	-17.5%		Hayden Road has seen an overall reduction in travel time
Incident Management—Freeways and Arterials					
Number of Vehicular Accidents	103,780	103,637	-0.1%		Slight reduction in the number of crashes per year
Percent of Incidents Cleared in 120 Minutes or Less	10.13%	6.77%	-3.36%		Reduction in the percentage of incidents that are cleared in 120 minutes or less
Traveler Information					
Highway Conditions Reporting System (HCRS) Entries	44,248	36,098	-23%		Reduction in the number of HCRS entries indicates less road restrictions
Phoenix Fire CAD to RADS	30,393	32,199	+6%		Increase in the number of Phoenix Fire CAD data that are being transferred to RADS and 511
Twitter Followers	40,734	68,037	+40.1%		Increase in Twitter followers of agencies providing information to the public through this social media method
Transit					
Transit Schedule Adherence	96.70%	94.87%	-2%		Reduction in schedule adherence for transit vehicles
Number of Transit Boardings	135.38 M	146.82 M	+7.8%		Increase in boarding for Valley Metro transit including light rail and bus

Arterial Corridor Travel Times



Agency Signal and Camera Infrastructure

