WhatMovesYouArizona

Technical Memorandum

To: WMYA TAC Members

From: Craig Secrest (High Street), Consultant Project Manager

Date: April 12, 2016

Subject: Refined WMYA Goals & Objectives

The following are suggested revisions to the Plan Goals and proposed objectives based on input from the December Vision Workshop and the Stakeholder Outreach Meetings. For each goal area, the memo identifies potential objectives and performance measures along with questions and considerations associated with them we would like to discuss at today's TAC meeting.

System Goals

Goal Area 1: Improve Mobility, Reliability, and Accessibility – Implement critical/cost-effective investments to improve access to multimodal transportation and optimize mobility and reliability for passengers and freight.

Potential Objectives	Questions/Comments
Reduce congestion and delay on the State Highway System	• Do want to use "reduce" or a softer word like "address" or "mitigate"?
Improve travel time reliability for trucks	
Improve citizen and business accessibility to the statewide multimodal transportation system, and connectivity between modes	• Is "improve" the right word?
Better accommodate bicycle and pedestrian use on the state system	
Accelerate the deployment of technology to optimize existing system capacity and performance	
Prioritize the implementation of Corridor Profile Study recommendations	

Potential Performance Measures	Questions/Comments
Annual hours of delay	• Separate measures for truck vs. auto?
Mobility Index	• Used for Corridor Profile Studies • Is this meaningful at program level?
Reliability Index	• MAP-21 Requirement
% of rural highway system meeting standards	
Truck planning time index	• Used for Corridor Profile Studies
Annual hours of delay	• From WMYA

Goal Area 2: Preserve and Maintain the System – Maintain, preserve, and extend the service life of existing and future State Transportation System infrastructure.

Potential Objectives	Questions/Comments
Maintain the percent of Interstate pavement miles in good/poor condition **Maintain the percent of non- Interstate NHS pavement miles in good/poor condition**	• MAP-21 required measures
Maintain the percent of bridges on NHS in good/poor condition	• MAP-21 required measures
Reduce the number of structurally deficient bridges	• From WMYA
Reduce the percentage of rural transit vehicles that exceed useful life.	
Maintain a state of good repair for rest areas, ports of entry, and other state highway system appurtenances	• Do we want this as an objective?

Potential Performance Measures	Questions/Comments
Percent of Interstate/NHS pavement in good/poor condition	• MAP-21 Requirement • Can be tiered by system element
Pavement index rating	• Used for Corridor Profile Studies • Somewhat redundant with MAP-21 measure
Percent of bridges in good/poor condition	• MAP-21 Requirement • Can be tiered by system element
Bridge index	• Used for Corridor Profile Studies • Somewhat redundant with MAP-21 measure
Percent of transit vehicles whose age exceeds their useful life	• MAP-21 Requirement

Goal Area 3: Enhance Safety – Continue to improve and advocate for transportation system safety for all modes.

Potential Objectives	Questions/Comments
Reduce the number of highway fatalities	• MAP-21 required measure is a rate • Should focus be total number or rate (e.g., per 100M VMT)?
Reduce the number of serious injuries	• Aligns with MAP-21 required measure • Should focus be total number or rate (e.g., per 100M VMT)?
Reduce the number of non-motorized fatalities	• Aligns with MAP-21 required measure

Potential Performance Measures	Questions/Comments
Number of annual highway fatalities	• MAP-21 Requires a rate (per 100 MVMT) • Can be tiered by system element and mode
Number of serious highway injuries	• MAP-21 Requires a rate (per 100 MVMT) • Somewhat redundant with MAP-21 measure
Number of highway crashes?	• Used for Corridor Profile Studies
Number of non-motorized fatalities and serious injuries	• MAP-21 Requirement
Safety Index	• Used for Corridor Profile Studies • Somewhat redundant with MAP-21 measure

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Goal Area 4: Strengthen partnerships – Develop and nurture partnerships that support coordination, integration, and preservation of ADOT's investment.

Potential Objectives	Questions/Comments
Increase project and program coordination with MPOs, COGs, and other partners	
Improve coordination with other state agencies	
Increase the use of public-private partnerships to deliver programs and projects	• See comments on next objectives
Reduce institutional and administrative hurdles to public-private partnerships	• This could be strategy, or in used in pace of objective above

Potential Performance Measures	Questions/Comments
Partner satisfaction rating?	• May need to be developed
Number/magnitude of public/private partnerships?	

Goal Area 5: Improve Program Delivery and Promote Fiscal Stewardship – Continually enhance the ability of ADOT to efficiently and effectively deliver programs and projects, ensure responsible management of public resources, and implement funding strategies to ensure long-term balanced investment in the State Transportation System.

Potential Objectives	Questions/Comments
Increase the percent of projects delivered on time and on budget	• Do we want this objective in the LRTP?
Identify and address current and emerging staffing needs	• Do we want this objective in the LRTP?
Accelerate the deployment of technology and communications infrastructure	
Communicate investment needs and articulate the benefit of improvements	• Do we want this objective in the LRTP?

Potential Performance Measures	Questions/Comments
Percent of projects delivered on time and on budget	• May need to be developed
Annual spending vs. target on technology and communications deployment	• Is this meaningful and supportable?

Goal Area 6: Make Effective Investment Decisions – Better link planning and programming through performance-based decision-making that integrates the project evaluation criteria and weighting established by the Plan.

Potential Objectives	Questions/Comments
Prioritize projects that promote economic growth	
Enhance the resiliency and security of the system	• Is "enhance" the right verb?
Enable a high quality of life for Arizona's citizens	• Is "enable" the right verb?
Implement the most cost effective transportation solutions	
Encourage and reward transportation – land use coordination	
Act as stewards for the state's natural, cultural, and environmental resource	

Potential Performance Measures	Questions/Comments
Partner satisfaction rating?	• May need to be developed
Average annual score for selected projects (requires further development)	• May need to be developed
Daily kilograms of NOx, VOC, and CO reduced by the latest annual CMAQ program	• Is this meaningful?
Annual hours of delay reduced by CMAQ projects	