Session 2: Performance Measures *Where is everybody?*

- What type of performance measures tools do you use to report to the following?
 - Map-21 (anticipated) and Federal requirements
 - State performance measures and goals
 - Regional performance measures and goals
- Describe the help if any, that you need to obtain, monitor or report on performance measures.
- How has performance measures that are being used affected operations?



Performance Measures – MAP-21

- MAP-21 Performance Measures
 - Planning Division is leading effort for State
 - 3 technical teams developed (bridge, pavement, safety)
- Transportation Asset Management Plan (TAMP)
 - Framework study completed in 2013
 - Gap assessment completed and informing an RFP to solicit external services (inventory)



Performance Measures – MAP-21

- Current activities linked to MAP-21
 - Bridge Inventory
 - Highway Performance Monitoring System (HPMS)



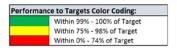


Performance Measures - ADOT

Fiscal Year 2017 Key Performance Indicators - Department of Transportation

Performance Metric Titles	JOP		YTD	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June
Breakthrough Metrics					_										
Decrease urban MVD field office entrance to exit time from 57.5 minutes to 30.0 minutes by December 31, 2017 1/	6/30/2016	Target	53.1	53.1	53.2	48.6	51.2	45.3	41.3	45.1	45.0	45.2	42.3	38.3	40.8
	57.6	Actual	53.0	53.8	52.1			2	16:					30	
PB - Decrease time needed to execute a design consultant task	1/1/2016	Target	140	150	130	110	90	70	50	50	50	50	50	50	50
order from 172 days to 50 days by December 31, 2016 1/	172	Actual	70	64	75	1									
Operational / Sustainment Metrics												St 10			
Increase the number of MVD online service transactions from	6/30/2016	Target	1,273.8	630.0	643.8	598.0	588.2	539.2	571.4	600.7	662.8	719.1	651.8	658.5	621.2
7,215.8 million to 7,484.7 million by June 30, 2017	7,215.8	Actual	1,246.3	603.5	642.8										
Increase the percentage of domestic port of entry permits	6/30/2016	Target	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%
issued on-line from 25% to 35% by June 30, 2017	25%	Actual	30%	25%	34%				8						
Increase the percentage of construction projects delivered on- time from 33% to 60% by June 30, 2017	1/1/2016	Target	51%	50%	51%	52%	53%	54%	55%	56%	57%	58%	58%	59%	60%
	50%	Actual	47%	33%	60%	r									
Maintain time to process simple Class C over-dimensional permits at 20 hours or less	6/30/2016	Target	20	20	20	20	20	20	20	20	20	20	20	20	20
	20	Actual	20	20	20			ž							
PB - Process 100% of simpe utility permits in 10 days or less	1/1/2016	Target	10	10	10	10	10	10	10	10	10	10	10	10	10
	56	Actual	5.6	5.6	10										
PB - Process 100% of Third Party applications in 30 Days or less by April 30, 2017	11/1/2015	Target	45	35	35	35	33	33	33	31	31	31	30	30	30
	110	Actual	35	35					8						
Decrease the percentage of time the Phoenix Metro system operates at a congested level from 36% to 31% by December 31, 2018	6/30/2016	Target	35.1%	35.2%	35.0%	34.9%	34.8%	34.6%	34.5%	34.3%	34.2%	34.1%	33.9%	33.8%	33.6%
	35.3%	Actual	35.2%	35.2%	35.1%	×		24	V.:	5				35	- 10
Improve pavement condition from 73% to 80% for interstate highways by June 30, 2017	6/30/2016	Target	80%	80%	80%	80%	80%	80%	80%	80%		80%	80%	80%	80%
	73%	Actual	73%	73%	73%										20
Maintain percentage of bridges rated as good or fair at 95% or greater	6/30/2016	Target	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
	95%	Actual	95%	97%	97%										
Decrease the average total number of traffic fatalities in	12/31/2015	Target	146	73	73	73	73	72	72	72	72	72	72	72	71
Arizona by 7% by December 31, 2018 (FY2017 target = 3% or 866 total fatalities) 2/	888	Actual	133	75	58										7
Deliver 100% of construction projects within original program	6/30/2016	Target	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
amount	100%	Actual	100%	100%	1005%										
									100	12					

Custom Field Legend					
Speed	Go Faster (Respond, Decide, Resolve)				
Quality	Compliance, Qustomer Satisfaction				
Cost	Dollars Saved				
People - P	Retain Employees / Safe Employees				

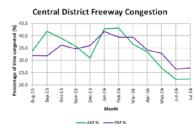




Performance Measures - ADOT

Percent of Time Congested

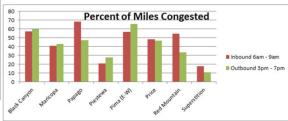
AM % PM % Average Month Aug-15 33.9 32.0 32.8 Sep-15 31.8 36.1 Oct-15 36.2 37.4 34.7 35.2 Dec-15 31.0 36.0 33.9 Jan-16 41.7 42.2 39.4 Feb-16 41.0 Mar-16 39.5 38.3 Apr.16 34.2 33.9 32.9 May-16 30.3 Jun-16 26.5

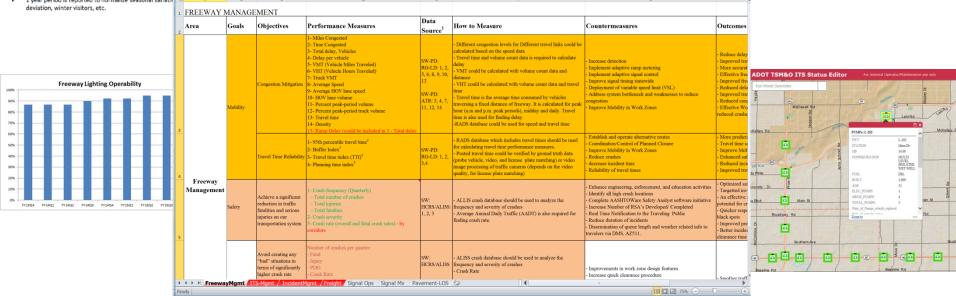


- Congestion defined as speed below 50 mph, collected from approximately 320 detector stations
- Only the general purpose lanes are included
- Only Tuesday, Wednesday and Thursday traffic data thus excluding Holidays
- AM% inbound corridors during morning peak hours (6-9)
- PM% outbound corridors during afternoon peak hours (3pm-7pm) 1 year period is reported to normalize seasonal variational

Travel Time Reliability (95th Percentile Travel Time)

		Inbound 6a	m - 9am	Outbound 3pm - 7pm					
Named Freeway	Dir	Length	TTR (mins)	Dir	Length	TTR (mins)			
Black Canyon	SB	11.6	35.1	NB	10.7	29.6			
Maricopa	WB	16.1	35.0	EB	15.1	42.7			
Papago	EB	14.9	62.9	WB	13.5	51.3			
Piestewa	SB	12.1	23.5	NB	13.1	24.0			
Pima	EB	13.6	32.9	WB	11.8	26.6			
Pima	NB	15.7		SB	14.5	21.1			
Price	NB	9.0	18.9	SB	9.3	23.3			
Red Mountain	WB	9.1	24.8	EB	9.6	18.8			
Superstition	WB	20.5	31.3	EB	19.5	23.2			







Performance Measures - Regional

- Strong regional partnership in terms of performance measures – AZTech (20 years)
 - FHWA, ADOT, MAG, University of Arizona, County, local cities/towns, EMS
- Bi-annual Performance Indicators Book/Dashboard
 - Freeway Management
 - Arterial Management
 - Integrated Corridors
 - Incident/Special Event Management
 - Traveler Information
 - Transit Management



Performance Measures - Regional





Policy Goal/ Performance Measure	2012-2013 Period	2014-2015 Period	Description
Freeways			
Percent of Miles Congested (Out of Total of 240 Miles Measured)	31.6%	36. <mark>7</mark> %	Overall 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)	25.2%	32.1%	Overall freeways are experiencing more congested time where average vehicle speeds drop below 50 mph
Arterials			
Bell Road Westbound PM Peak Travel Time—35th Avenue to US-60	22:23 min	23:46 min	Took over 1 minute longer to travel along this corridor
McDowell Road Eastbound AM Peak Travel Time—83rd Avenue to I-17	12:44 min	14: <mark>43 min</mark>	Took over 2 minutes longer to travel along this corridor
Hayden Road Northbound PM Peak Travel Time—Loop 202 to Shea Boulevard	17:33 min	19:50 min	Took over 2 minutes longer to travel along this corridor
Average Arterial TMC Hours with Ability to Respond Per Week	44 hours	44 hours	77% of agencies also have on-call after hours support

