## **APM Appendix 9A**

## APPLICABILITY OF ANALYSIS PERFORMANCE MEASURES BY PLAN OR PROJECT TYPE

Performance measures are identified in the scoping process by the project team. The matrix below is provided as a general guide to aid in the consideration of potential transportation analysis performance measures by plan or project type – RTP, TSP, MMA, Facility Plan, Development Review, and NEPA/project development. Performance measures most likely to be applicable are identified as best practice or recommended, while others are identified as potentially useful as either as a supplemental measure or for screening purposes. Refer to APM Chapter 9 for further guidance. Plan and project types are shown in order of increasing level of detail going from left to right.

Performance Measure	RTP	TSP	Designated MMA	Facility Plan	Development Review	NEPA/Project Development	
Mobility							
Volume to Capacity Ratio		•		•	•	•	
Demand to Capacity Ratio	•	0		•		•	
Average Daily Traffic to Capacity Ratio (ADT/C)	•	•		•		•	
Percent Change in Volume	0	0		•	•	•	
Vehicle-Miles of Travel (VMT)	•	0				0	

		Best	practice	or rec	commer	nded	measi	ure
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O Supplemental measure

Screening measure

Performance Measure	RTP	TSP	Designated MMA	Facility Plan	Development Review	NEPA/Project Development
Person-Miles Traveled (PMT)	•	0				
Throughput				•	0	•
Duration of Congestion		•		•		0
Queue Length		•	•	•	•	•
Travel Time	0	0		•		•
Average Delay				•	0	•
Total Delay (Vehicle Hours of Delay)				0		•
Travel Time Reliability						
Travel Time Index (TTI)				•		•
Level of Service (LOS)						
Motorized Vehicle Level of Service		•		•	•	•
Multimodal Level of Service (MMLOS)			0	•	•	•

Best practice or recommended measure

O Supplemental measure

Screening measure

Performance Measure	RTP	TSP	Designated MMA	Facility Plan	Development Review	NEPA/Project Development		
Truck Level of Service Index		0		•		•		
	Accessibility							
Accessibility for Motorized Vehicles, Pedestrians and Bicyclists	•	0	0	•		•		
Accessibility for Transit Riders	•	0	0	•		•		
Safety								
Crash Rate	•	•	•	•	•	•		
Safety Priority Index System (SPIS)	•	•	•	•	•	•		
Change in Crash Frequency Using Crash Modification Factors (CMFs) or Crash Reduction Factors (CRFs)	0	•	0	0	0	0		
Excess Proportions of Specific Crash Types	0	•	0	•	•	0		

Best practice or recommended measure

O Supplemental measure

Screening measure

Performance Measure	RTP	TSP	Designated MMA	Facility Plan	Development Review	NEPA/Project Development		
Expected or Predicted Crash Frequency				•	•	•		
Conflicts		0	0	•	•	•		
Access Spacing			0	•	•	•		
Functional Area			0	0	0	•		
	Other Multimodal Performance Measures							
Mode Share	•	•	0					
Transit Service Miles per Capita	•	0						
Infrastructure								
Network Connectivity and System Completeness	•	•	0	0		0		
Out of Direction Travel		0		•	•	•		
Intersection Density	•	•						
Bicycle or Pedestrian Level of Traffic Stress	•	•	•	0	0	0		

	Best practice	or recommended	measure
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O Supplemental measure

Screening measure