

Table 5-1: Performance Framework and Measures

	Policy	Performance Measure Categories	Performance Measures by Modal Group			
			Highway/Bridges	Passenger Service/Bicycle-Pedestrian	Freight (Motor Carrier, Railroad, Waterways)	Aeronautics
1	Preserve Essential Elements of Existing Transportation Systems.	1.1 Customer Ride Quality	1.1H Percent of miles that meet good and poor ride quality targets.	Transit: See Highway Measure 1.1H	Motor Carrier: See Highway Measure 1.1H	
		1.2 Physical Condition of the Infrastructure	1.2H1 Remaining service life of pavement. 1.2H2 Percent of bridges that meet good and poor structural condition targets.	1.2T Percent of transit fleet whose remaining life is within the minimum normal service life.	Motor Carrier: See Highway Measures 1.2H	1.2A Percent of airport runways that meet good and poor pavement condition targets
2	Support Land Use Decisions that Preserve Mobility and Enhance the Safety of Transportation Systems.	2.1 Consistency of Local Plans and Ordinances with Access Management Guidelines	2.1H Percent of townships, counties and municipalities along IRCs whose adopted local plans and ordinances support with IRC Management Plans and Partnership studies.	Transit: See Highway Measure 2.1H	Motor Carrier: See Highway Measure 2.1H	
		2.2 Airpace or Right-of-Way that is Protected to Meet Future Demand	2.2H Percent of IRC and bottleneck removal projects identified in the 10-Year Program for which right-of-way needs have been protected.	2.2T Percent of Transit Advantage projects in 10-Year Program for which right-of-way has been protected.	Motor Carrier: See Highway Measure 2.2H	2.2A Percent of airports for which land or airspace has been protected to meet requirements of Master Plans or Airport Layout Plans.
3	Effectively Manage the Operation of Existing Transportation Systems to Provide Maximum Service to Customers.	3.1 Travel Time Reliability	3.1H1 Clearance time for incidents, accidents or Hazmat (metro). 3.1H2 Snow and ice removal clearance time.	Transit: See Highway Measures 3.1H and 6.2H	Motor Carrier: See Highway Measures 3.1H and 6.2H	
		3.2 Travel and Flow Management	3.2H Percent of miles of Principal Arterial corridors in RTCs 0 and 1 that are managed.	Transit: See Highway Measure 3.2H	Motor Carrier: See Highway Measure 3.2H	
4	Provide Cost-Effective Transportation Options for People and Freight.	4.1 Amount of Facilities/Services Provided		4.1T Greater MN passenger bus service hours - Percent of need met. 4.1T2 Miles of TH bus-only shoulders in the Twin Cities area constructed or rebuilt. 4.1PR Completion of dedicated alignment transitway cost-effectiveness evaluations. 4.1P Percent of IRC crossings in RTCs with adequate bike/ped accommodations.		4.1A Percent of population within one hour of scheduled air service.
		4.2 Amount of Travel		4.2T1 Number of non-auto commuter trips in RTCs 0 and 1. 4.2T2 Average auto occupancy in RTCs 0 & 1 during peak periods.		
		4.3 Access between Ports/Terminals/Major Generators and Transportation Corridors	See Freight Measure - 4.3F and 4.3		4.3F Percent of major generators (ports/terminals/other major generators) with appropriate access to IRCs or water and/or rail corridors.	4.3A Percent of airports with appropriate access to IRCs.
5	Enhance Mobility in Interregional Transportation Corridors Linking Regional Trade Centers (RTCs). ⁽¹⁾	5.1 Travel Speed	5.1H Percent of IRC miles meeting speed targets.	Transit: See Highway Measure 5.1H	Motor Carrier: See Highway Measure 5.1H	
		5.2 Travel Time Reliability	5.2H Peak period travel time reliability.	Transit: See Highway Measure 5.2H	Motor Carrier: See Highway Measure 5.2H	
6	Enhance Mobility Within Major Regional Trade Centers. ⁽²⁾	6.1 Travel Time	6.1H Ratio of peak to off-peak travel time (Travel Rate Index) (Metro)		Motor Carrier: See Highway Measure 6.1H	
		6.2 Travel Time Reliability	6.2H Peak period travel time reliability.	Transit: See Highway Measure 6.2H	Motor Carrier: See Highway Measure 6.2H	
		6.3 Duration and Extent of Congestion	6.3H Miles of peak period congestion per day (RTCs 0 and 1)	Transit: See Highway Measure 6.3H	Motor Carrier: See Highway Measure 6.3H	
7	Increase the Safety and Security of Transportation Systems and their Users.	7.1 Crash Rate or Crashes		7.1 Crash Rate	7.1F Total crashes at at-grade railroad crossings (3-yr av.)	7.1A Total general aviation crashes. (3-year average)
		7.2 Total Fatalities		Fatalities per year (3-year average).		7.2A Total general aviation fatalities (3-year average).
		7.3 Security Measures		(To be completed once US DOT provides direction)		

(1) For additional information on regional trade centers, please refer to, "Trade Centers of the Upper Midwest 1999 Update," by William Casey, June, 1999, Center for Urban and Regional Affairs, University of Minnesota.

(2) Major Regional Trade Centers are Levels 0 and 1. These centers include the following cities: Twin Cities metropolitan area, Duluth, Fargo/Moorhead, LaCrosse/LaCrescent, Rochester and St. Cloud.

Table 5-1: Performance Framework and Measures (continued)

	Policy	Performance Measure Categories	Internal Mn/DOT Performance Measure or Indicator
8	Continually Improve Mn/DOT's Internal Management and Program Delivery.	8.1 Construction Project Timeliness	8.1 Percent of Mn/DOT projects in the first year of the STIP that are let for construction in their planned year.
		8.2 Construction Project Cost	8.2 Preconstruction. Percent variation in major projects' cost from estimates when they enter the STIP to actual cost when let for construction.
		8.3 Cost Effective Administration	8.3 General administrative expenditures as a percent of total expenditures.
9	Inform, Involve and Educate All Potentially Affected Stakeholders in Transportation Plans and Investment Decision Processes.	9.1 Perceived Reliability of Mn/DOT Information	9.1 Percent of customers satisfied with the reliability of Mn/DOT communications.
10	Protect the Environment and Respect Community Values.	10.1 Air Quality	10.1AQ1 Federal Compliance Standards: Outdoor levels of ozone, nitrogen dioxide, carbon monoxide and particulate matter. 10.1AQ2 Estimated carbon dioxide emissions from motor vehicles in Minnesota. 10.1AQ3 Percent of Mn/DOT fuel consumption defined as cleaner fuels.
		10.2 Water Quality	10.2W1 Percent of NPDES permits that have violations. 10.2W2 Ratio of acres replaced by Mn/DOT to acres affected. 10.2W3 Percent of replaced wetlands where types are as planned.
		10.3 Land Management	10.3L1 Number of acres replanted with native species. 10.3L2 Number of undeveloped acres converted to another land use..
		10.4 Streamlining of Environmental Process	10.4ES Time to complete EIS, Environmental Assessment, and EAW per project.