U.S. Department of Transportation Federal Highway Administration

Transportation Performance Management (TPM) is a strategic approach that uses system information to make investment and policy decisions to achieve performance goals. TPM involves determining what results are to be pursued, using information from past performance levels and forecasted conditions to guide investments, measuring progress towards strategic goals, and making adjustments to improve performance. TPM is grounded in sound data management, usability and analysis as well as effective communication and collaboration with both internal and external stakeholders. The key, however, to successful implementation of TPM practices lies in the organizational support and agency embrace of data-driven decision making.

Why TPM?

- Creation of Unifying Focus for Agency
- Prioritization of Investments Based on Performance Needs
- Feedback Loop between **Decisions and Results**
- Connect Individual Staff Activity to Agency Goals
- Transparent Decisionmaking
- Linking Funding Requests to System Performance
- Communication of the Benefits from Transportation Investments
- Fulfillment of Legislative Requirements

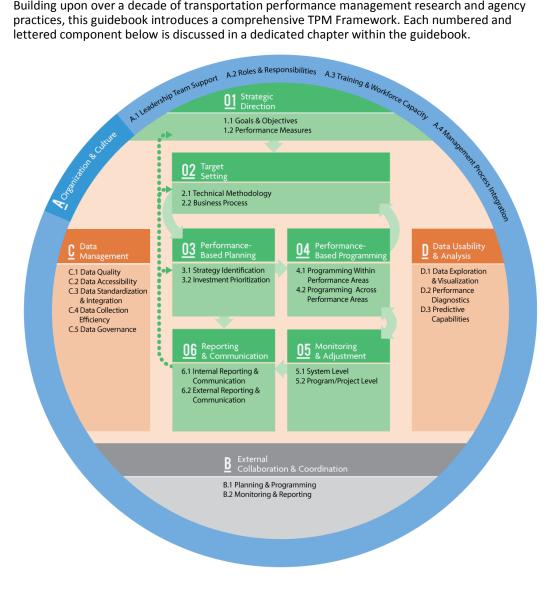
Above all else, TPM leads to improved performance.

Guidebook Purpose

The focus of this guidebook is to move the theory of TPM into practice by providing how-to information for agencies interested in implementing or improving the application of TPM. This guidebook is tailored to transportation agencies including State DOTs, MPOs, and transit agencies.

The TPM Framework

Building upon over a decade of transportation performance management research and agency practices, this guidebook introduces a comprehensive TPM Framework. Each numbered and lettered component below is discussed in a dedicated chapter within the guidebook.



Executive Summary

Federal Highway Administration

What's Inside the Guide

Description of relationships between TPM Components

Common Terms	What do they really mean?		Exemple
Voion Statement	An overarching statement of desared outcomes that is conclurily written, but linsed in scope; a vision statement is intended to be compelling and impiring		Minnesota's multimodal transportation system maximizes the health of people, the environment, and our econumy.
Mission	Statement that reflects the core functional purpose of an agency		Har, build, spirate and maintain a unity accessible, inflorent and initialie multimodal transportation system that correctly people to destinutations and markets throughout the state, inglorally and around the second.
Gask	A broad statement of sufcome; a unique ple	Dof	initions of
Objective	A quantifiable stateme additional specificity f	Dei	
Parlomance Measure	A quantifiable indicate grad/objective	com	mon terms
Target	Level of performance advieved within a specific	corise friame	2000
Output	Countily of activity delivered through a project or program. Escal of the "strategy level monitoring" subcomponent (5.1)		Miles of pavement repaved, miles of new guardical patients place, the number of bridges rehabilisted, the number of new busine parchased.
Outcome	Results or impacts of a particular activity that are of most interest to system users. Focus of the "system level munitoring" subcomponent (5-2)		Travel time reliability, tability rate, percent of assets within useful life

Distinct steps for implementation

holders on higher-lev

nber of factors as shown below

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Target Setting & Tr

onent 8: External Collaboration ent C. Data Management

ent D: Data Usability & Analys

Establish governance process

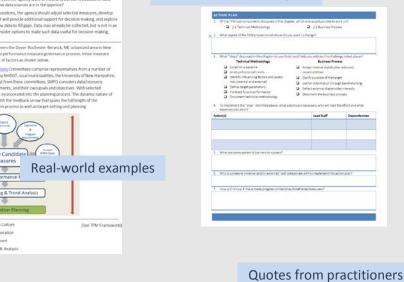
STEP 1.2.4

Component		Summary Definition	Relationship to the Strategic Direction	
02.	Target Setting	The use of baseline data, information on possible strategies, resource constraints and forecasting tools to collaboratively set targets	Targets turn goals, objectives and measures identified in the strategic direction into statements of success to promote accountability.	
03.	Performance Based Planning	Use of a strategic direction to drive development and documentation of agency strategies and priorities in the long-range transportation plan and other plans.	Strategies identified in the planning process define how an agency will achieve goals and objectives. Performance measures provide the means to evaluate/prioritize strategies.	
04.	Performance Based Programming	Allocation of resources to projects to achieve strategic goals, objectives and performance targets. Clear linkages established between investments made and their expected performance outputs and outcomes.	The selection of projects is guided by the goals and objectives and measures defined in the Strategic Direction.	

	Planning		ALL A FILL REAL AND A CONTRACT OF A CONTRACT.
	Integrating Business Processes to Improve Travel Time Reliability	2011	http://oriinepubs.trb.org/onlinepubs/thrp2/5H892_ 52-101-88-1.pdf
	NCHRP 806: Guide to Cross-Asset Resou Allocation and the Impact on Transports System Performance	List of relevant resources	
	Risk-Based Transportation Asset Manag Evaluating Threats, Capitalizing on Opportunities	2012	http://www.fbwa.dot.gov/asset/pubs/hif12035.pdf
	PHWA Scenario Planning Guidebook	2011	https://www.fhwa.dot.gov/planning/scenario_and_v/ sualization_idebook.edf

2014 http://www.fhwa.dot.gov/planning/per

Customizable action plan



Perspectives

"The real world examples and practitioner quotes provide a reality check to the guidebook. This isn't just another academic publication, but a resource that provides feasible ideas for agencies to implement to improve their practices."

- Karen Miller, MoDOT

"I can envision many uses and audiences for the factsheets, and have already used several of the guidebook examples in conversations here."

- Lori Richter, WisDOT

"When we prepared our 3rd **Quarter Performance** Report, we used a lot of the information from the draft guidebook."

> — Brian Hoeft, Regional Transp. Commission of Southern Nevada

"I especially like how the callouts link related and important research that provide greater context."

— Greg Slater, MD State Highway Administration

"The easy to use format has helped us assess our level of maturity and anticipate next steps to share with our regional partners."

- Monique de los Rios-Urban, Maricopa Assoc. of Governments

Connect Online

Linkages to Other TPM Component

Visit the TPM Toolbox online to learn more about transportation performance management and to take your own TPM Capability Maturity Self-Assessment: www.tpmtools.org