



TO: T.C. Broadnax, City Manager
FROM: Kurtis D. Kingsolver, P.E., Public Works Director/City Engineer */KDJC*
COPY: Infrastructure, Planning and Sustainability Committee
Mark Lauzier, Assistant City Manager
SUBJECT: Transportation Master Plan Performance Measures
DATE: August 10, 2016

SUMMARY:

On August 10, 2016, Public Works staff will present a progress update on the Transportation Master Plan System Performance Measures to the Infrastructure, Planning, and Sustainability Committee. The presentation will include an overview of the adopted system performance measures and progress report on establishing baseline measures.

BACKGROUND:

In December 2015, the City of Tacoma adopted Tacoma's first Transportation Master Plan (TMP). The TMP provides a long-term vision for transportation infrastructure in the City of Tacoma. It is a primary tool for forecasting transportation demand and identifying services and improvements needed to achieve those goals and accommodate future demands.

The main components of the document include updated and balanced goals and policies that build on the Mobility Master Plan and connectivity for all modes. It identifies a network system for all modes, which includes transit and streetcar priority corridors. It also provides a means to measure performance and success towards reaching the TMP's vision.

ISSUE:

Evaluating projects according to their contributions to each of the seven TMP priorities should guide project prioritization and regular transportation system performance monitoring. The priorities include Multimodal System, Equity, Safe Travel for All People/Modes, Health/Environment, System Preservation, Financial Stewardship, and Congestion. Each city goal has specific measures that help quantify priorities and track progress over time. The City of Tacoma currently tracks some of these performance metrics, while others will require initial benchmarking and repeated data collection in the future. The System Performance Measures present the components of Tacoma's biannual transportation report card, as outlined in the TMP. The attached handout outlines the TMP Performance Measures as well as a review of data collection feasibility.

ALTERNATIVES:

This is an information only presentation.

FISCAL IMPACT:

This is an information only presentation.

RECOMMENDATION:

This is an information only presentation.

Attachment

ID	BIG PICTURE TOPICAL AREAS	PERFORMANCE MEASURES	MEASURES OF SUCCESS	DATA SOURCE	EASE OF OBTAINING DATA (EASY, MED, HARD)
1	Multimodal System	Mode split	Decrease in SOV mode share	PSRC: RGCs and MICs Work Trip Mode Shares	Easy
2				American Community Survey: Citywide Commute Mode Shares	Easy
3				PSRC Household Travel Survey: All Trips	Easy
4		VMT	Decrease in VMT per capita	WSDOT Highway Performance Monitoring System (HPMS) or establish city survey	Medium
5		CTR / TMA Participation	Participation Growth in number of participants	WSDOT, Pierce, Trips, Downtown: On the Go!, other TMAs	Easy
6		Bicycle Friendly Community Status	Upgrade in status from League of American Bicyclists	League of American Bicyclists	Easy
7	Equity	Investment per community	Percent of need met within 1/4 mile of disadvantaged communities, such as those with low income or many zero-car households	City / Census data	Medium
8			Percent of need met per Neighborhood Council District	City	Medium
9		Investment per mode	Dollars spent per mode per year	City	Medium
10			Percent of modal priority network built	City	Medium
11			Miles of facilities built per year	City	Medium

ID	BIG PICTURE TOPICAL AREAS	PERFORMANCE MEASURES	MEASURES OF SUCCESS	DATA SOURCE	EASE OF OBTAINING DATA (EASY, MED, HARD)
12	Safe Travel for All People / Modes	Crash reduction	Total number, per capita, and per million VMT crashes	WSDOT	Easy
13			Total number, per capita, and per million VMT injury / fatality crashes	WSDOT	Easy
14			Total number, per capita, and per million VMT pedestrian / bicycle crashes	WSDOT	Easy
15	Health / Environment	Physical activity	Miles of added pedestrian and bicycle facilities within 1/4 mile of schools	City	Medium
16			Percent of K-12 students who have a comprehensive Safe Routes to School program at their school	Tacoma School District	Easy
17			Number of housing units / jobs within 1/4 mile of transit stop or bicycle facility	City / Census Data	Medium
18		Air quality	Decrease in VMT per capita	WSDOT Highway Performance Monitoring System (HPMS) or establish city survey	Easy-Medium

ID	BIG PICTURE TOPICAL AREAS	PERFORMANCE MEASURES	MEASURES OF SUCCESS	DATA SOURCE	EASE OF OBTAINING DATA (EASY, MED, HARD)
19	System Preservation	Pavement quality	Pavement quality model	City	Easy
20			Number and percentage of TacomaFIRST 311 pavement maintenance requests filled	City	Easy
21			Miles / number of markings restriped	City	Easy
22		Signals and streetlights	Number / percent of backlog of signal heads and streetlights replaced	City	Easy
23	Financial Stewardship	Maintenance funding	Percent of investments / dollars spent on maintenance projects	City	Easy
24			Reduction in maintenance backlog	City	Easy
25		Leveraging additional funds	Non-city dollars leveraged for project delivery	City	Easy
26			Number of constructed projects that were on other Capital Facilities Plan lists	City	Easy
27	Congestion	Vehicle delay	Limited increase in congestion on key routes for vehicular mobility	City	Medium - Hard
28		Move people and goods	Increase in number of people and / or volume of goods moving through arterials	City	Hard
29		Transit (NEW)	Increase the number of transit riders citywide	City	Easy