

Performance Measures & Targets

2040 Long Range Transportation Plan & Project Priority List



Performance Measures & Target Development



Federal Performance Measures (National Highway System)

Safety

Travel Time
Reliability

Bridge
Condition

Pavement
Condition

Transit Asset
Management

MetroPlan Orlando Performance Measures (all Federal Aid Corridors)

Evacuation

Multimodal System

Accessibility to
Attractions / Airport
/ Convention

Accessibility to
Activity Centers

Environmental
Justice

Off –Peak Period
Congestion

Air Quality

Actively Managed
Corridors

Environmental /
Storm water Issues

PM1 - Performance Measure



Federal Performance Measures (National Highway System)

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NUMBER OF FATALITIES

The total number of persons suffering fatal injuries in a motor vehicle crash during a calendar year.

RATE OF FATALITIES

The ratio of total number of fatalities to the number of vehicle miles traveled (VMT) in a calendar year.

NUMBER OF SERIOUS INJURIES

The total number of persons suffering at least one serious injury in a motor vehicle crash during a calendar year.

RATE OF SERIOUS INJURIES

The ratio of total number of serious injuries to the number of VMT (in 100 million VMT) in a calendar year.

NUMBER OF NON-MOTORIZED FATALITIES AND NON-MOTORIZED SERIOUS INJURIES

The combined total number of non-motorized fatalities and non-motorized serious injuries involving a motor vehicle during a calendar year.

PM1 - Target



Federal Performance Measures (National Highway System)

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STATEWIDE TARGETS

- » FDOT established statewide targets for calendar year 2018 in the Highway Safety Plan (submitted on July 1, 2017) and HSIP Annual Report (submitted on August 31, 2017), and will update **annually** thereafter.
- » Targets are applicable to all public roads regardless of functional classification or ownership.

Given FDOT's firm belief that every life counts, **the target set for all safety performance measures is ZERO.**

Board Supports Statewide Target – February 2018

PM2 – Performance Measure



Federal Performance Measures (National Highway System)

Safety

Travel Time
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Bridge
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Transit Asset
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PAVEMENT PERFORMANCE MEASURES

- » Percentage of pavements on the Interstate System in *GOOD* condition.
- » Percentage of pavements on the Interstate System in *POOR* condition.
- » Percentage of pavements on the non-Interstate NHS in *GOOD* condition.
- » Percentage of pavements on the non-Interstate NHS in *POOR* condition.

BRIDGE PERFORMANCE MEASURES

- » Percentage of NHS bridges by deck area classified as in *GOOD* condition.
- » Percentage of NHS bridges by deck area classified as in *POOR* condition.

PM2 – Target



Federal Performance Measures (National Highway System)

Safety

Travel Time Reliability

Bridge Condition

Pavement Condition

Transit Asset Management

STATEWIDE TARGETS

Performance Measure	2-Year Target	4-Year Target
<i>Pavement</i>		
% of Interstate pavements in GOOD condition	Not Required	≥ 60%
% of Interstate pavements in POOR condition	Not Required	≤ 5%
% of non-Interstate NHS pavements in GOOD condition	≥ 40%	≥ 40%
% of non-Interstate NHS pavements in POOR condition	≤ 5%	≤ 5%
<i>Bridge</i>		
% of NHS bridges by deck area classified as In GOOD condition	≥ 50%	≥ 50%
% of NHS bridges by deck area classified as In POOR condition	≤ 10%	≤ 10%

GOOD CONDITION

Suggests no major investment is needed.

POOR CONDITION

Suggests major investment is needed.

PM3 – Performance Measure



Federal Performance Measures (National Highway System)

Safety

Travel Time
Reliability

Bridge
Condition

Pavement
Condition

Transit Asset
Management

Performance Measure	Typically Referred to As
Percent of Person-Miles Traveled on the Interstate that Are Reliable	Interstate Reliability
Percent of Person-Miles Traveled on the Non- Interstate NHS that Are Reliable	Non-Interstate Reliability
Truck Travel Time Reliability (TTTR) Index	Freight Reliability

PM3 – Target



Federal Performance Measures (National Highway System)

Safety

Travel Time
Reliability

Bridge
Condition

Pavement
Condition

Transit Asset
Management

STATEWIDE TARGETS

FDOT established the following 2- and 4-year targets on May 18, 2018. Two-year targets reflect the anticipated performance level at the mid point of each performance period, while 4-year targets reflect it for the end of the performance period.

Performance Measure	2-Year Target	4-Year Target
Interstate Reliability	75%	70%
Non-Interstate Reliability	Not Required	50%
Freight Reliability	1.75	2.00

TAM – Performance Measure



Federal Performance Measures (National Highway System)

Safety

Travel Time
Reliability

Bridge
Condition

Pavement
Condition

Transit Asset
Management

Transit Asset Categories and Related Performance Measures

FTA Asset Categories	Type of Measure	Performance Measures
EQUIPMENT Non-revenue support-service and maintenance vehicles	Age	Percentage of non-revenue, support-service and maintenance vehicles that have met or exceeded their useful life benchmark (ULB)
ROLLING STOCK Revenue vehicles	Age	Percentage of revenue vehicles within a particular asset class that have either met or exceeded their ULB
INFRASTRUCTURE Rail fixed-guideway track	Performance	Percentage of track segments with performance restrictions
FACILITIES Buildings and structures	Condition	Percentage of facilities within an asset class rated below condition 3 on the TERM scale

TAM – Target



Federal Performance Measures (National Highway System)

Safety

Travel Time Reliability

Bridge Condition

Pavement Condition

Transit Asset Management

Category	Asset Class	ULB (Yrs.)	Total Number	Rolling Stock and Equipment Total Exceeding ULB / Number of Facilities Below Condition 3.0	Current Performance	FY2019 Performance Targets
Rolling Stock	Motor Bus					
	Articulated Bus (AB)	15 yrs.	18	0	0.0%	0.0%
	Bus (BU)	15 yrs. (12 yrs. for <30ft)	292	0	0.0%	2.5%
	Demand Response					
	Automobile (AO)	7 yrs.	5	5	100.0%	75.0%
	Cutaway (CU)	7 yrs.	183	39	21.3%	17.0%
	Van (VN)	7 yrs.	30	0	0.0%	1.0%
	Vanpool					
	Van (VN)	7 yrs.	194	7	3.6%	2.3%
	Rolling Stock Total					
		-	722	51	7.1%	6%
Equipment*	Automobiles	7 yrs.	23	4	17.4%	15.0%
	Trucks and Other Rubber Tire Vehicles	7 yrs.	80	57	71.3%	70.0%
	Special	4 yrs.	8	8	100%	n/a
	Maintenance Equipment*	17 yrs.	219	75	34%	n/a
	MIS/IT/Network Systems	5 yrs. (software) 7 yrs. or 10 yrs. (hardware)	309	182	58.9%	n/a
	Other Systems	6.8	155	24	15.5%	n/a
	Equipment Total					
		-	639	326	51%	58.0%
Facilities	Passenger Facilities	n/a	14	0	0.0%	0.0%
	Administration and Maintenance	n/a	4	1	25.0%	23.0%
	Facilities Total					
		-	18	1	5.6%	5.1%
Overall						
		-	1,382	382	27.6%	12.7%

*Under the Equipment category, FTA requires performance measures for service vehicles only. Special vehicles include assets such as forklifts and sweepers. The Other Systems asset classes include assets such as phone systems and security cameras. For the Infrastructure category, the FTA performance measure is only required for a fixed-rail guideway. For the Central Station, the Transfer Center and Office Tower counted separately as passenger facility and administration/maintenance facility respectively.

SCORECARD PERFORMANCE MEASURS & TARGETS

MetroPlan Orlando Performance Measures		Target	
1	Evacuation route lane miles per 1,000 household	4 Lane miles per 1,000 households	
2	Transportation System miles that include more than three (3) of the following (auto, transit, designated bike & sidewalk) designed and functioning up to code	75%	
3	Federal Aid System Miles within 20 minutes travel time to Attractions (Auto/Transit)	50%	
	Federal Aid System Miles within 20 minutes travel time to Convention Center (Auto/Transit)		
	Federal Aid System Miles within 20 minutes travel time to Regional Airports (Auto/Transit)		
4	Percent of Population within 30 minute travel time to Activity Center (Auto/Transit)	90%	
5	Number of Performance Measures or indicators where Environmental Justice Areas fall below the regional measure or indicator	0	
6	Percent of Limited Access, Arterials & Freight Corridors with Average Speed / Posted Speed Ratio less than 0.75	100%	
7	Total Carbon dioxide equivalent Emissions in million metric tons	3% less than 16.7mT (2016)	
	Total Particulate Matter (Highest daily average reading for 2016)	35 µg/m3	
	Total Ozone (in 3 year (2016) fourth highest average in Parts per billion)	70 ppb	
8	System miles that are actively managed / monitored	50%	
9	% of System miles that have documented storm water issues	0%	

LEGEND

- Meets the target
- Less than the target
- Exceeds the target
- Measure that needs to be reduced



Thank You!

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