



Transportation Performance Management

Andrew Uhler
TPA Deputy Director of Program Development

PALM BEACH TPA

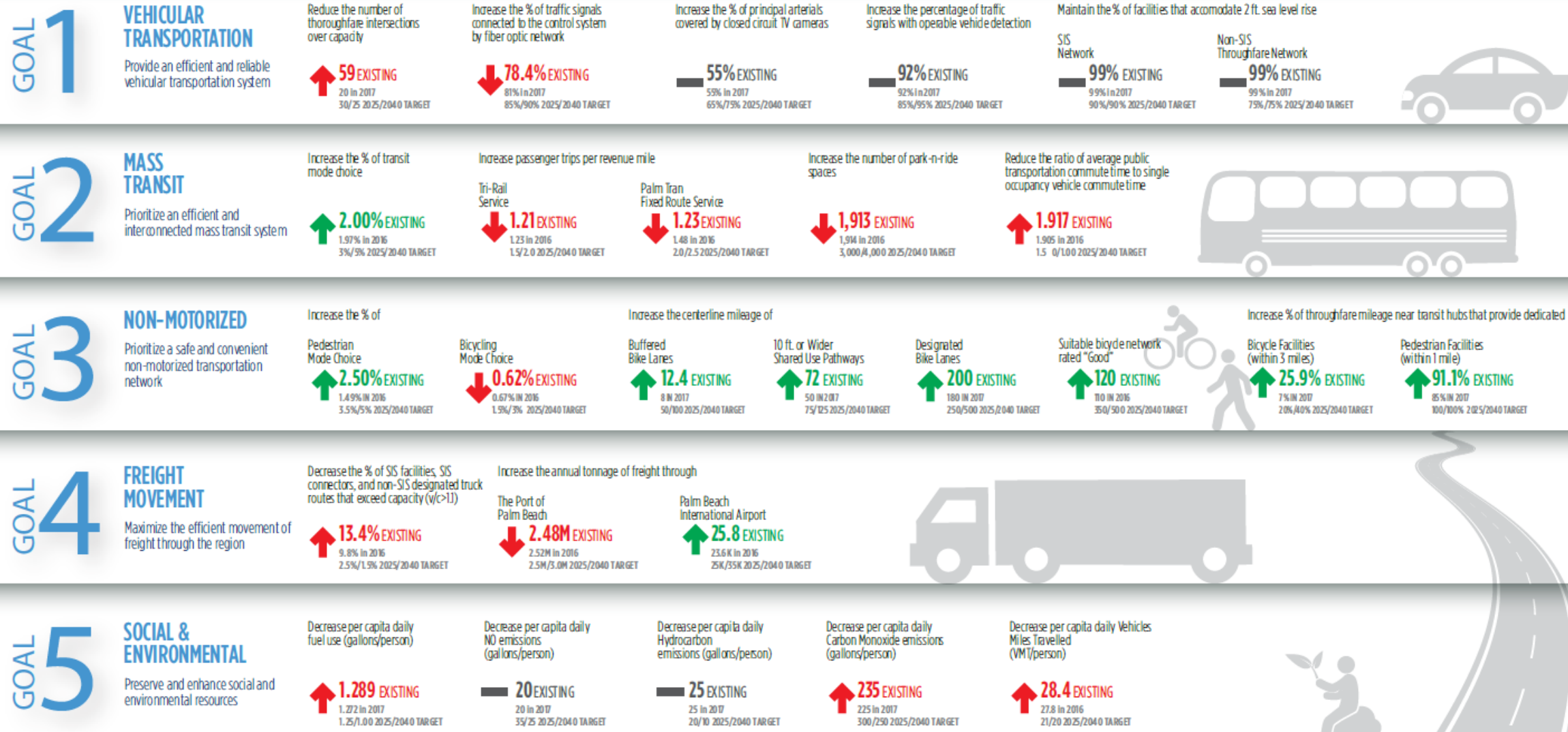
CONGESTION MANAGEMENT PROCESS

ANNUAL REPORT CARD 2018

INDICATORS



2040 LRTP GOALS & OBJECTIVES





Federally Required Performance Measures

Performance Measures		TPA Targets
Safety	Fatalities	Zero (2019)
	Serious Injuries	Zero
	Rate of Serious Injuries per 100M VMT	Zero
	Rate of Fatalities per 100M VMT	Zero
	Nonmotorized Fatalities and Serious Injuries	Zero
System Performance	Percent of reliable person-miles traveled on the Interstate	≥ 70% (2023)
	Percent of reliable person-miles traveled on the non-Interstate NHS	≥ 50%
	Truck travel time reliability ratio (TTTR) on the Interstate	≤ 2.0
Bridges	Percent of NHS bridges classified as in Good condition by deck area	≥ 50% (2023)
	Percent of NHS bridges classified as in Poor condition by deck area	≤ 10%
Pavement	Percent of Interstate pavements in Good condition	≥ 60% (2023)
	Percent of Interstate pavements in Poor condition	≤ 5%
	Percent of non-Interstate NHS pavements in Good condition	≥ 40%
	Percent of non-Interstate NHS pavements in Poor condition	≤ 5%
Transit	Percent of Vehicles exceeding useful life	≤ 10% (2019)
	Percent of Equipment exceeding useful life	≤ 20%
	Percent of Facilities exceeding useful life	0%



Setting Federal Targets and Monitoring

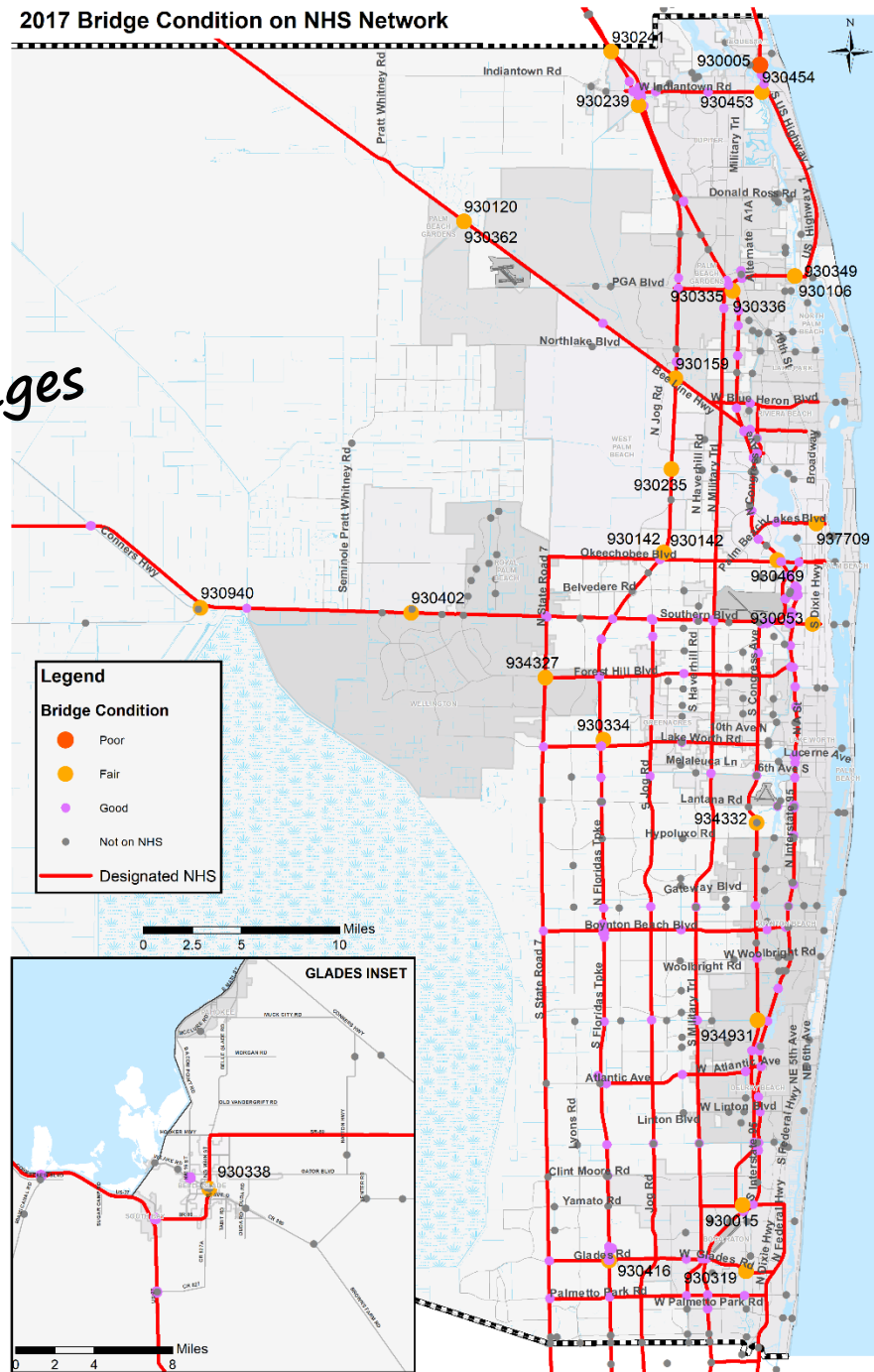
UPWP Task 4.C – Develop performance Measures

- FDOT provided summary table and raw data
- TPA staff recommended endorsement of FDOT targets
- Targets went to TPA committees and Board for approval

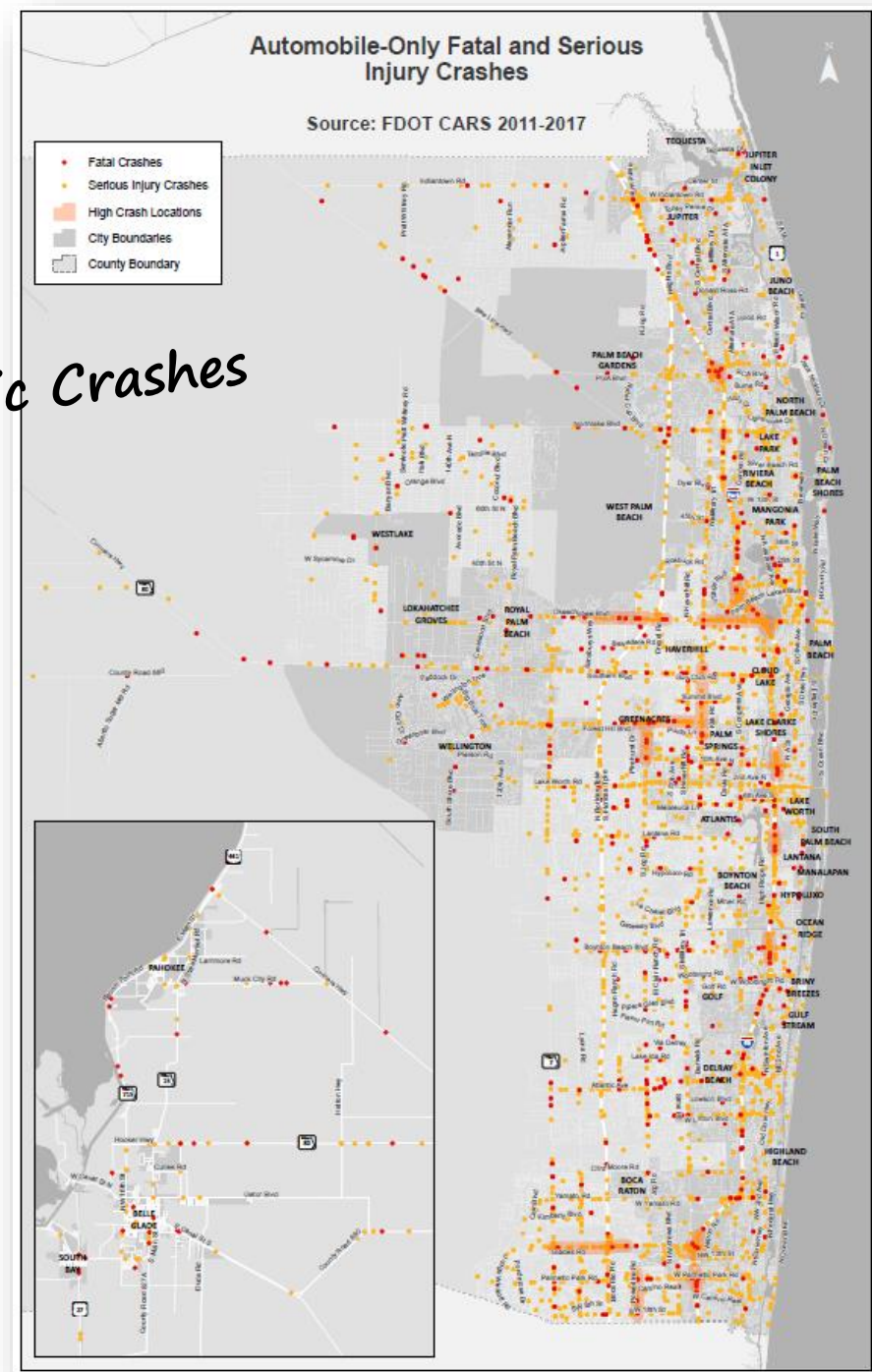
UPWP Task 3.G – Evaluate System Performance

- TPA monitors system performance annually and will integrate federal measures into the report

Bridges



Traffic Crashes





2045 LRTP Measures and Targets

Source	Performance Measure	Actual Values					Targets				
		2014	2015	2016	2017	2018	1-yr	2-yr	4-yr	2030	2045
Goal 1: Preserve											
Maintenance											
Pavement											
FAST Act	Interstate in Good condition	65.2%	58.6%	62.4%	55.2%	n/a			≥ 60.0%		
FAST Act	Interstate in Poor condition	0.0%	0.0%	0.0%	0.0%	n/a			≤ 5.0%		
FAST Act	Non-Interstate NHS in Good condition	21.4%	44.2%	41.7%	40.3%	n/a		≥ 40.0%	≥ 40.0%		
FAST Act	Non-Interstate NHS in Poor condition	8.8%	1.2%	0.4%	0.5%	n/a		≤ 5.0%	≤ 5.0%		
Bridges											
FAST Act	NHS bridges in Good condition	n/a	n/a	87.7%	88.1%	n/a		≥ 50.0%	≥ 50.0%		
FAST Act	NHS bridges in Poor condition	n/a	n/a	1.2%	1.1%	n/a		≤ 10.0%	≤ 10.0%		
Transit											
FAST Act	Vehicles exceeding useful life	n/a	n/a	n/a	n/a	0%	≤10%				
	Equipment exceeding useful life	n/a	n/a	n/a	n/a	26%	≤20%				
	Facilities exceeding useful life	n/a	n/a	n/a	n/a	0%	0%				
Environment											
2040 LRTP	Daily fuel use (gal) per person	1.20	1.24	1.27	1.30	1.29				1.25	0.95
2040 LRTP	Daily Vehicle Miles Traveled per person	25.8	26.4	27.2	26.8	n/a				21.0	20.0
NEW	Percent of electric vehicles in rubber-tire transit fleet	0	0	0	0	0				75%	100%
Resiliency											
Percentage of federal aid eligible mileage susceptible to inundation by:											
2040 LRTP	1.2-ft sea level rise & historic storm surge	n/a	n/a	n/a	n/a	3.9%				3%	2%
NEW	1% chance of annual flooding	n/a	n/a	n/a	n/a	26.7%				25%	20%



2045 LRTP Measures and Targets

Source	Performance Measure	Actual Values					Targets				
		2014	2015	2016	2017	2018	1-yr	2-yr	4-yr	2030	2045
Goal 2: Safe											
Vision Zero											
FAST Act	Number of fatalities	130	186	179	160	168	0				
FAST Act	Rate of fatalities per 100 million vehicle miles traveled (VMT)	1.014	1.398	1.291	1.139	1.188	0				
FAST Act	Number of serious Injuries	1050	1001	1129	1116	1163	0				
FAST Act	Rate of serious injures per 100 million vehicle miles traveled (VMT)	8.817	7.522	8.141	7.947	6.923	0				
FAST Act	Number of non-motorized fatalities and serious injuries combined	204	201	194	207	177	0				
NEW	Number of rail fatalities	7	10	8	12	13	0				

Goal 3: Efficient											
Reliability											
FAST Act	Percent of reliable person-miles traveled on the Interstate	86%	85%	86%	84%	n/a		75%	70%		
FAST Act	Percent of reliable person-miles traveled on the non-Interstate NHS	53%	48%	48%	89%	n/a		n/a	50%		
FAST Act	Truck travel time reliability ratio (TTTR) on the Interstate	1.74	1.81	1.84	1.72	n/a		1.75	1.80		
NEW	Ratio of transit vs. drive alone average commute time	1.85	1.93	1.97	1.97	n/a				1.75	1.50
Productivity											
Passenger trips per revenue hour for:											
2040 LRTP	Tri-Rail service	38.6	36.4	36.4	35.0	n/a				40	50
	Palm Tran fixed route service	26.5	22.4	22.4	18.4	n/a				30	40



2045 LRTP Measures and Targets

Source	Performance Measure	Actual Values					Targets				
		2014	2015	2016	2017	2018	1-yr	2-yr	4-yr	2030	2045
Goal 4: Connected											
Complete Streets											
Centerline mileage of federal aid eligible roadways that include:											
NEW	Separated bike lanes	0	0	0	0	0				20	40
2040 LRTP	10-ft or wider shared use pathways	25	50	50	50	72				100	150
	Buffered bike lanes	8	8	8	8	12				20	40
	Designated bike lanes	125	160	180	180	200				300	600
NEW	Sidewalks	n/a	n/a	n/a	n/a	1459				1600	1700
Health & Equity											
Percentage of federal aid eligible mileage with:											
2040 LRTP	Dedicated bicycle facilities within 3 miles of a transit hub	10.0%	7.0%	7.0%	7.0%	10.0%				100%	100%
	Dedicated pedestrian facilities within 1 mile of a transit hub	85.0%	85.0%	85.0%	85.0%	85.0%				100%	100%
NEW	Pedestrian facilities within 2 miles of elementary schools	n/a	n/a	n/a	n/a	79.0%				90%	100%
NEW	Pedestrian facilities within 1/4 mile of a traditionally underserved community	n/a	n/a	n/a	n/a	67.7%				70%	80%
Goal 5: Multimodal											
Commuter Mode Split											
2040 LRTP	Walking	1.57%	1.54%	1.49%	1.50%	n/a				5%	10%
	Biking	0.55%	0.66%	0.67%	0.62%	n/a				3%	5%
	Transit	1.92%	1.97%	1.97%	1.88%	n/a				7%	15%
Freight											
Annual tonnage of freight for:											
2040 LRTP	Port of Palm Beach	2.15M	2.16M	2.52M	2.48M	2.57M				3.0M	3.5M
	Palm Beach International Airport	26.5	26.2k	23.6k	25.8k	26.8k				30.0k	40.0k



Performance-based Planning Next Steps

All measures and targets have been incorporated into TIP

All measures and targets have been approved for 2045 LRTP

Key Next Steps

- Select LI/TA and major LRTP projects to make progress
- Identify safety projects for HSIP funds to advance vision zero
- Work w/ FDOT to improve data timeliness, track progress