



2045 LRTP

September 2019

Consensus Planning Agreement

Updated Goals, Objectives and Targets

PALM BEACH TPA VISION

A safe, efficient,
and connected
multimodal
transportation
system.



Context

- TPA adopted Pavement, Bridge and Travel Time reliability targets in Oct '18
 - TPA Board: additional analysis of bridge and reliability targets
- TPA adopted safety targets (vision zero) in Feb '18 & Feb '19
- TPA adopted supplemental LRTP Goals, Objectives, and Targets in Mar '19
 - TPA Board: additional objectives/targets for bridge height and 8' pathways

Summary

- TPA Staff recommend endorsement of:
 - Tri-Rail asset management targets
 - New objective and target for 8' paved pathways
 - Local target for bridge condition (instead of FDOT target)
- TPA staff do not recommend:
 - New target for vertical bridge clearance for navigable waterways
 - Local target for travel time reliability

Tri-Rail Asset Management

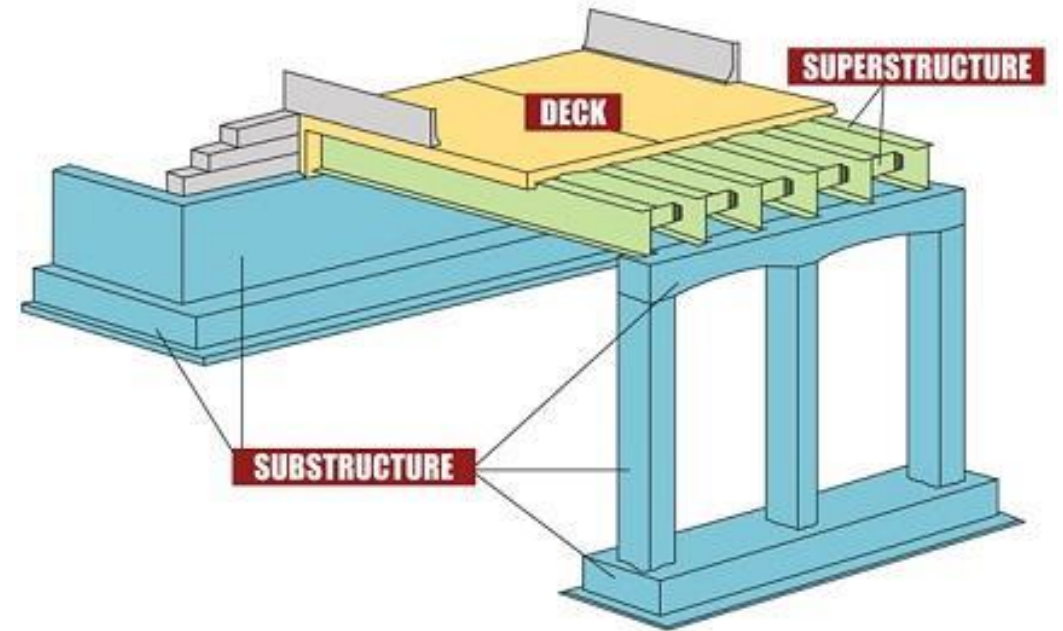
Performance Measures	2018 value	1-yr Target
Equipment		
Support & Maintenance Vehicles > 8yrs old	0%	0%
Other vehicles scoring lower than 2.5 (1-5 scale)	0%	0%
Rolling Stock		
Locomotives, coach cars, self-propelled cars > 39 yrs old	0%	0%
Cutaway buses > 10 yrs old	0%	0%
Rail fixed-guideway track with performance restrictions	8%	≤8%
Facilities scoring lower than 2.5 (1-5 scale)		
Passenger Terminals	30%	30%
Maintenance Facilities	30%	30%
Administrative Offices	0%	0%
Systems scoring lower than 2.5 (1-5 scale)	15%	15%

8-ft paved pathways

Performance Measure	2018 value	2030 Target	2045 Target
Mileage of federal aid eligible roadways with:			
<u>8 to 9-ft paved pathways</u>	<u>294</u>	<u>305</u>	<u>320</u>
10-ft or wider shared use pathways	70	100	150
Sidewalks	1,459 <u>1,165</u>	1,600 <u>1,300</u>	1,700 <u>1,400</u>

Bridge condition

0-10 ratings given for
Substructure,
Superstructure, and Deck



Performance Measure	2018 Value Palm Beach	2-year Target Palm Beach	4-year Target Palm Beach
% of NHS bridges classified as in Good condition by deck area	87.44%	$\geq 50\%$	$\geq 50\%$
% of NHS bridges classified as in Poor condition by deck area	1.04%	$\leq 5\%$ $\leq 10\%$	$\leq 5\%$ $\leq 10\%$

Measuring Bridge Condition

Good	9	EXCELLENT CONDITION
	8	VERY GOOD CONDITION - no problems noted.
	7	GOOD CONDITION - some minor problems.
Fair	6	SATISFACTORY CONDITION - structural elements show some minor deterioration.
	5	FAIR CONDITION - all primary structural elements are sound but may have minor section loss, cracking, spalling or scour.
Poor	4	POOR CONDITION - advanced section loss, deterioration, spalling or scour.
	3	SERIOUS CONDITION - loss of section, deterioration, spalling or scour have seriously affected primary structural components. Local failures are possible. Fatigue cracks in steel or shear cracks in concrete may be present.
	2	CRITICAL CONDITION - advanced deterioration of primary structural elements. Fatigue cracks in steel or shear cracks in concrete may be present or scour may have removed substructure support. Unless closely monitored it may be necessary to close the bridge until corrective action is taken.
	1	"IMMINENT" FAILURE CONDITION - major deterioration or section loss present in critical structural components or obvious vertical or horizontal movement affecting structure stability. Bridge is closed to traffic but corrective action may put back in light service.
	0	FAILED CONDITION - out of service - beyond corrective action.

Bridge Condition - lowest ratings

				Area (in Feet)				Rating	
Bridge Key	Roadway	Facility Crossed	Facility Owner	Length	Deck Width	Approach Roadway Width	Total Area	Lowest Rating	Grade
930005	US-1 (SR-5)	Intracoastal Waterway	State	843	65	63	54,594	4	Poor
930053	US-98 (SR-80)	FEC RR & Georgia Ave.	State	1,172	63	59	74,156	5	Fair
930402	US-98 (SR-80)	Canal - D	State	92	125	102	11,401	5	Fair
930453	EB SR706	Intracoastal Waterway	State	1,344	58	44	77,269	5	Fair
930454	WB SR 706	Intracoastal Waterway	State	135	58	45	7,751	5	Fair
930940	CR-880	C-51 CANAL	County	220	27	24	5,825	5	Fair
937709	PLM BEACH LAKES BL	CSX RAILROAD	County	984	53	46	51,655	5	Fair

Vertical Bridge Clearance & Sea-level rise

Will sea-level rise impact the ability for boats to navigate intracoastal and canal bridges?

- FL DHSMV does not collect data on vessel height
- Canal water levels actively controlled by WMDs
- Researching bridge opening requests at movable bridges

**Registered Vessels
Utilizing the ICW:
32,862***



⇒ Pleasure Boating: **18,403**



⇒ Fishing: **10,516**



⇒ Sailing and other activities: **2,300**



⇒ Watersports: **1,643**



System Performance - Travel Time

Performance Measure	2018 Value Palm Beach	2018 Value Statewide	2-year Target	4-year Target
Percent of the Person-Miles Traveled on the Interstate That Are Reliable	85%	82%	>75.0%	>70.0%
Percent of the Person-Miles Traveled on the Non-Interstate NHS That Are Reliable	93%	84%	n/a	>50.0%
Truck Travel Time Reliability (TTTR) Index	1.77	1.44	<1.75	<2.00

Staff recommends adoption of:

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