

Multilane Resurfacing Discussion



Thomas Salvador, CPII, CPWP-S – Manager, CIP

Purpose

During the annual update to the Resurfacing Master Plan at the last Summer Workshop, Council requested additional information on Public Works' multilane roadway resurfacing plan.





Presentation Objectives

- Multilane Overview
- Progress
- Pavement Conditions and Recommendations
- Current Resurfacing Plan Trends
- Discussion



Multilane Roadway

Network

- 149 Lane Miles
 - Airoso Blvd.
 - Becker Rd.
 - Crosstown Pkwy.
 - Lennard Rd.
 - Prima Vista Blvd.
 - St. Lucie West Blvd.
 - Tradition Pkwy.
 - Veterans Memorial Pkwy.
 - Village Pkwy.



Multilane Resurfacing

Progress – FY 22/23

- Planned 0.67 miles – Completed
 - PSL Blvd. → Sansom to Turnpike Bridge
 - Estimated Cost - \$730,086

Abstract

- Estimated need of \$12M over the next 10 years
 - \$1.25M – Sales Tax Funding
 - \$10.75M - Unfunded
- Mobility fees and most grants cannot be used for maintenance (resurfacing)
- Approximately 50% additional cost per mile than local roadways
 - Wider lanes
 - Asphalt depth
 - Type of Asphalt required
 - Pavement markings
 - Night work



Multilane Recommendations Pavement Condition Indexes (PCI)

Scheduled - Partially Funded*

Street Name	Limits	PCI	Last Maintenance	FY Scheduled	Current Est. Cost**
SW Gatlin Blvd.	SW Rosser Blvd. to SW Savona Blvd.	20.80	2001	26/27	\$ 4,737,132
SW Gatlin Blvd.	SW Savona Blvd. to Brighton St.	31.20	2001	26/27	
SW Gatlin Blvd.	SW Brescia St. to SW Rosser Blvd.	45.00	2001	26/27	

*\$1,250,000 Half Cent Sales Tax

**Estimate includes proposed base repairs as needed

Unscheduled - Unfunded

Street Name	Limits	PCI	Last Maintenance	FY Scheduled	Current Est. Cost
NW Commerce Centre Dr.	FEC Railroad to East of Commerce Lakes Dr.	35.00	2007	TBD	\$ 169,456
NW Commerce Centre Dr.	Reserve Blvd. to East of Brandywine Ln.	41.00	1999	TBD	\$ 249,113
Airoso Blvd.	Thornhill to PSL Blvd.	47.30	2004	TBD	\$ 671,746
SE Tiffany Ave.	SE US-1 to SE Lennard Rd.	52.66	2003	TBD	\$ 593,153
SE Cane Slough Rd.	US-1 to SE Mariposa Ave.	58.00	2003	TBD	\$ 136,387
SE Village Green Dr.	SE Huffman Rd. to SE Niemeyer Cir. (South)	58.20	2007	TBD	\$ 391,160
SE Lennard Rd.	SE Mariposa Ave. to US-1	59.00	2003	TBD	\$ 262,597
SW Bayshore Blvd.	Prima Vista Blvd. to SW Lakehurst Dr.	60.60	2007	TBD	\$ 496,597
Airoso Blvd.	Self Storage to NW Prima Vista Blvd.	61.60	1998	TBD	\$ 799,180
SE Lennard Rd.	Walton Rd. to Tiffany Ave.	65.50	2006	TBD	\$ 284,915
NW Prima Vista Blvd.	Turnpike Bridge to Airoso Blvd.	65.90	2001	TBD	\$ 1,158,950
SE Westmoreland Blvd.	SE Port St. Lucie Blvd. to SE Cambridge Dr.	67.50	2008	TBD	\$ 355,023
SW Bayshore Blvd.	SW Lakehurst Dr. to SW Crosstown Pkwy.	67.63	2007	TBD	\$ 569,918
SW Bayshore Blvd.	SW Crosstown Pkwy. to SW PSL Blvd.	67.93	2007	TBD	\$ 1,169,564
				TOTAL	\$ 12,044,891



Trends to Date

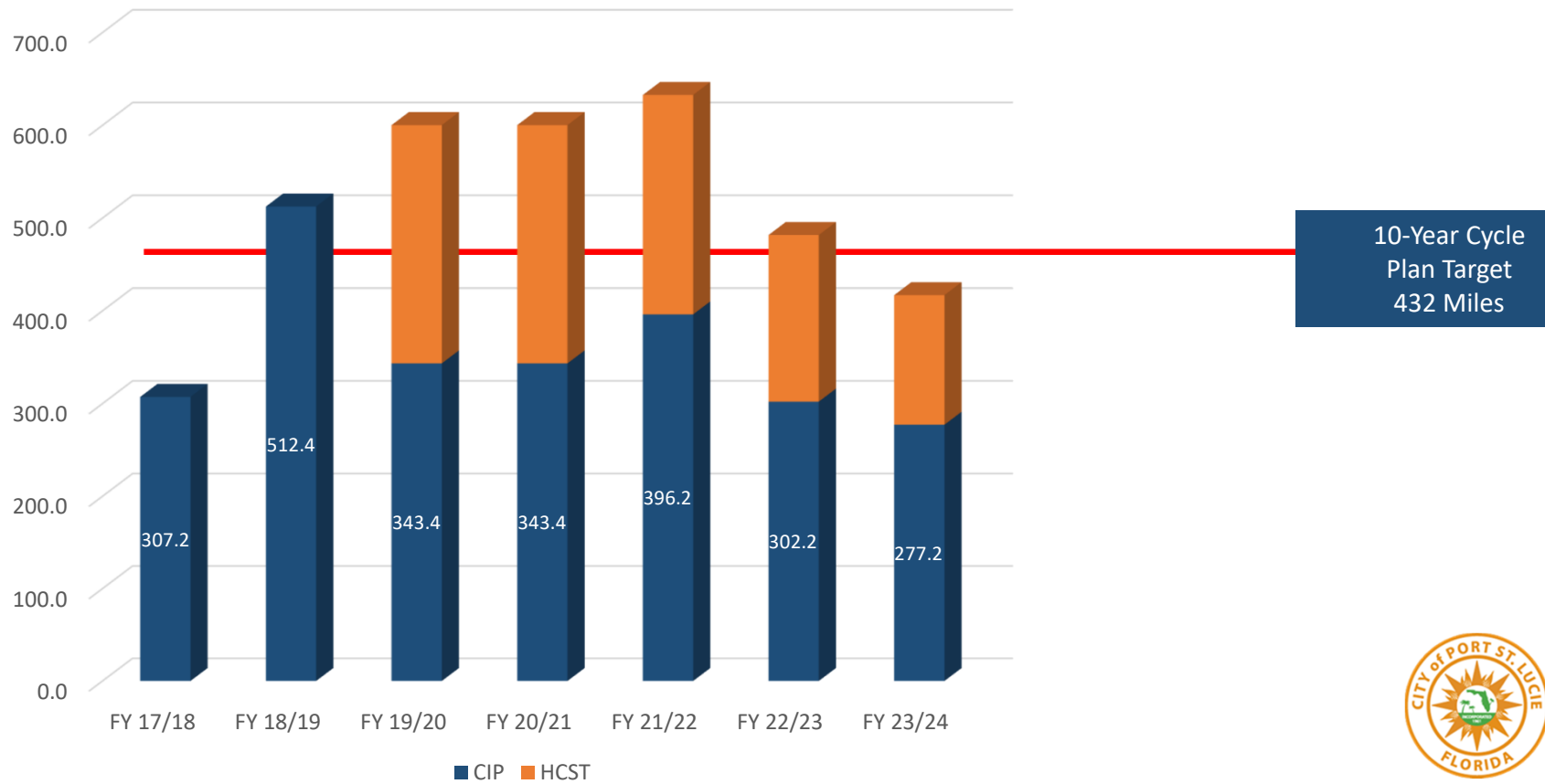
Preservation and Resurfacing



- **Cost Impacts**
 - Decrease in miles resurfaced
 - Budget increases not keeping pace
 - \$4.3M of gas tax funds is dedicated to R&B CIP
 - At least \$7.2M needed annually for local resurfacing plan alone
- **Pavement Preservation**
 - Funded by resurfacing budget
 - Will continue increasing to match miles resurfaced
- **Multilane Roadways**
 - Not included as part of the resurfacing plan due to cost disparities
 - PCI scores are decreasing and must be addressed

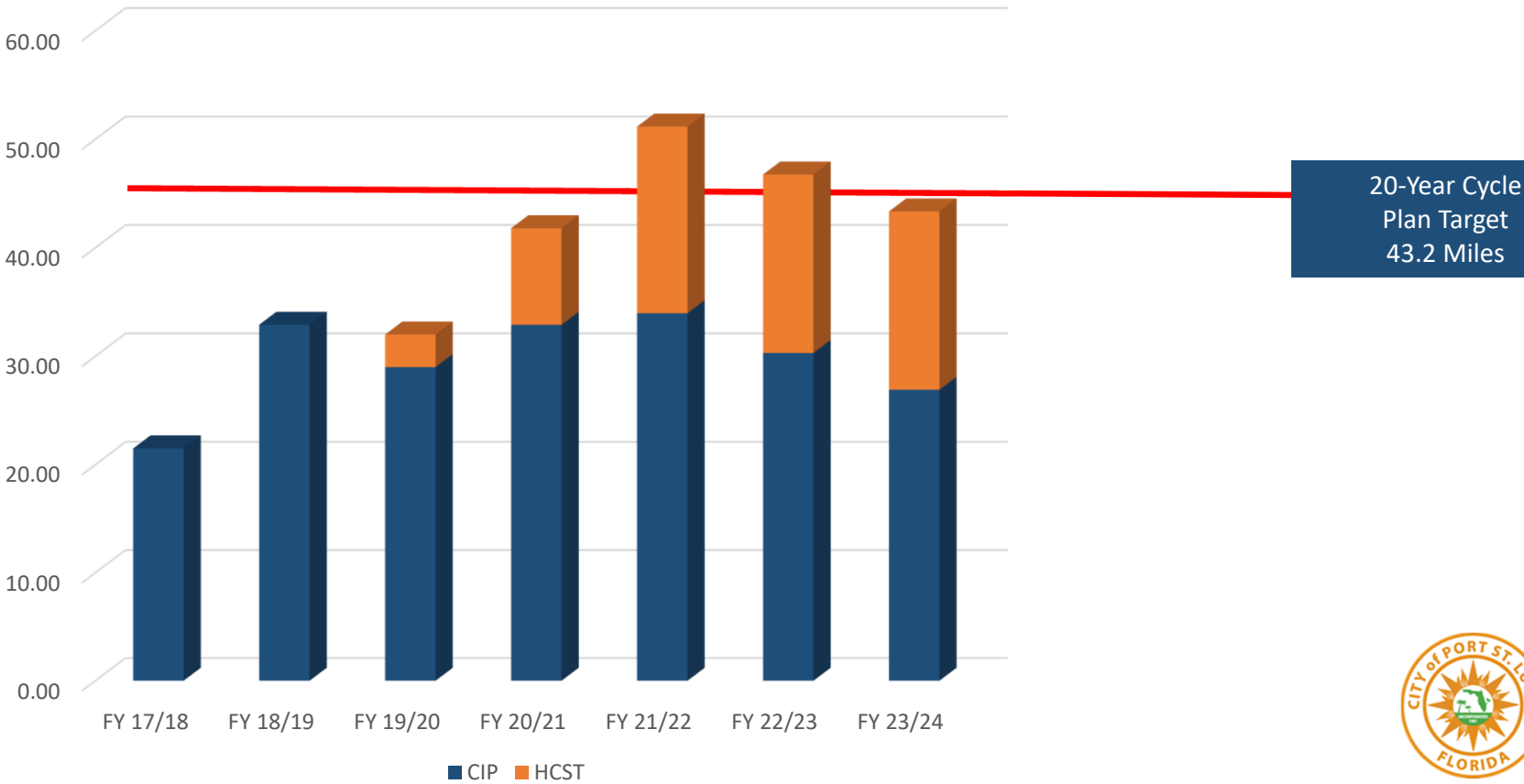
Residential Roadways

Total Miles Estimated in Annual 10-Year Plan Updates



Residential Roadways

Actual Miles Resurfaced Per Fiscal Year



**Discuss potential funding sources
for estimated shortfall of
\$1.5M Annually for
Multilane Resurfacing Projects**

Requested Council Action



THANK YOU!

