



*Transportation Planning
for the Palm Beaches*



Incorporating On-Road Bicycle Networks into Resurfacing Projects

MPO TAC Presentation
September 7, 2016



Incorporating On-Road Bicycle Networks into Resurfacing Projects



bike-way (noun): *any facility that is open for the use of bicyclists. Refers to standard bicycle lanes and buffered or separated bike lanes.*

Chapter 1: Introduction

Why?

- Create Connected Networks
- Federal and Local Support for Bicycling
- Cost Efficiencies
- Create Safer and More Comfortable Roadways
- Significant Amounts of Money are Invested in Resurfacing

Chapter 2: Resurfacing Process and Timelines

YEAR 1

Update pavement conditions



Produce draft resurfacing list



Compare selected projects to bike plan



Reshuffle projects as needed

Summer

Fall

Winter

Spring

YEAR 2

Conduct project fieldwork;
Begin Public engagement



Prepare marking and construction plans



Finalize paving plans;
bid and let projects



Resurfacing projects begin



Chapter 3: Methods for Including Bikeways

Toolbox for Design Flexibility

Lane Narrowing/ Lane Diet

Roadway Reconfiguration/ Road Diet/
Lane Elimination

Parking Removal



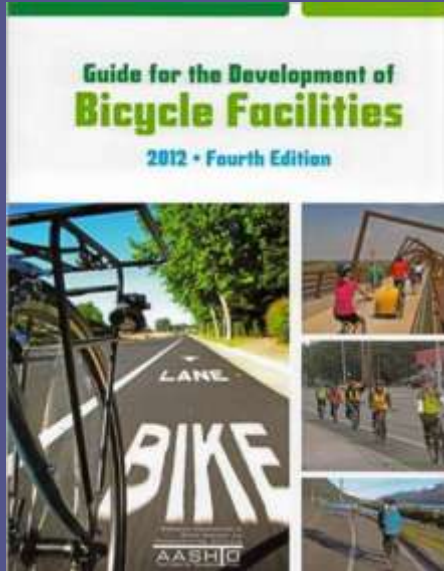
Chapter 4: Cost and Material Considerations

Material	Initial Relative Cost	Lifespan (Months)	Retro-reflectivity
Paint	\$	3 - 24	●
Epoxy Paint	\$\$	24 - 48	● ●
Thermoplastic (sprayed)	\$\$\$	48 – 72*	● ●
Preformed Tape	\$\$\$\$	36 – 96*	● ● ●

Note: Estimates based on 2014 comparative costs.

* *Thermoplastic and tape have shortened life spans in snowy areas where they are often damaged by snowplows.*

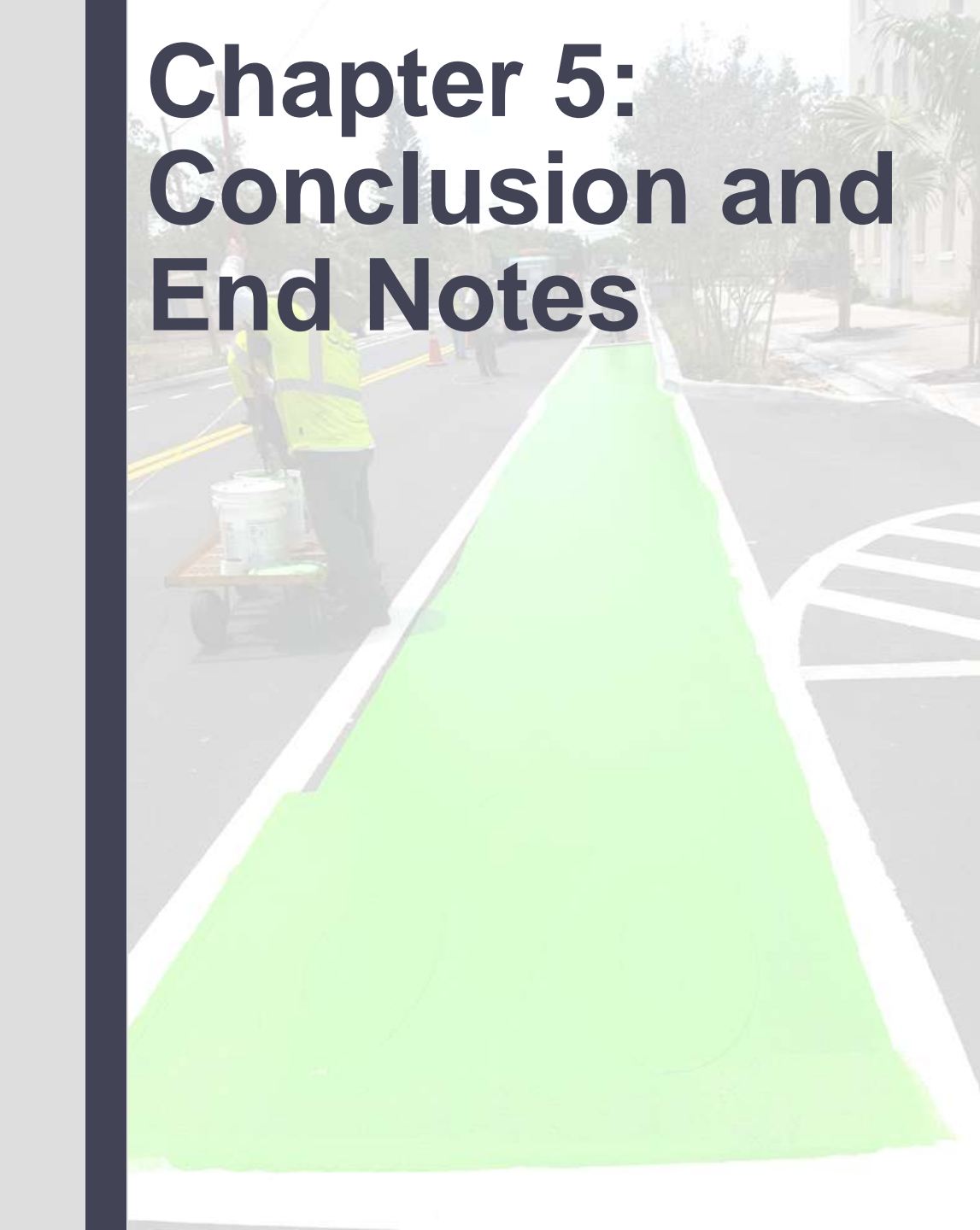
Other Opportunistic Approaches to Bicycle Implementation



Opportunistic Approach to Bicycle Implementation

- Bike lane implementation as part or resurfacing, reconstruction and routine maintenance.
- Complete Street policies
- Private sector development activity
- Coordination with major capital projects
- Shared – use paths co - located with utilities infrastructure.
- Rails to Trails and Rails with Trails projects.

Chapter 5: Conclusion and End Notes



Design

- American Association of State Highway and Transportation Officials (AASHTO), *Guide for the Development of Bicycle Facilities*,
- Institute of Traffic Engineers (ITE)
- National Association of City Transportation Officials (NACTO)
- Federal Highway Administration (FHWA)

ADA

- *Department of Justice/Department of transportation Joint Technical Assistance on the Title II of the Americans with Disabilities Act Requirements to Provide Curb Ramps when Streets, Roads, or Highways are Altered through Resurfacing*
http://www.fhwa.dot.gov/civilrights/programs/doj_fhwa_ta/cfm