



TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN



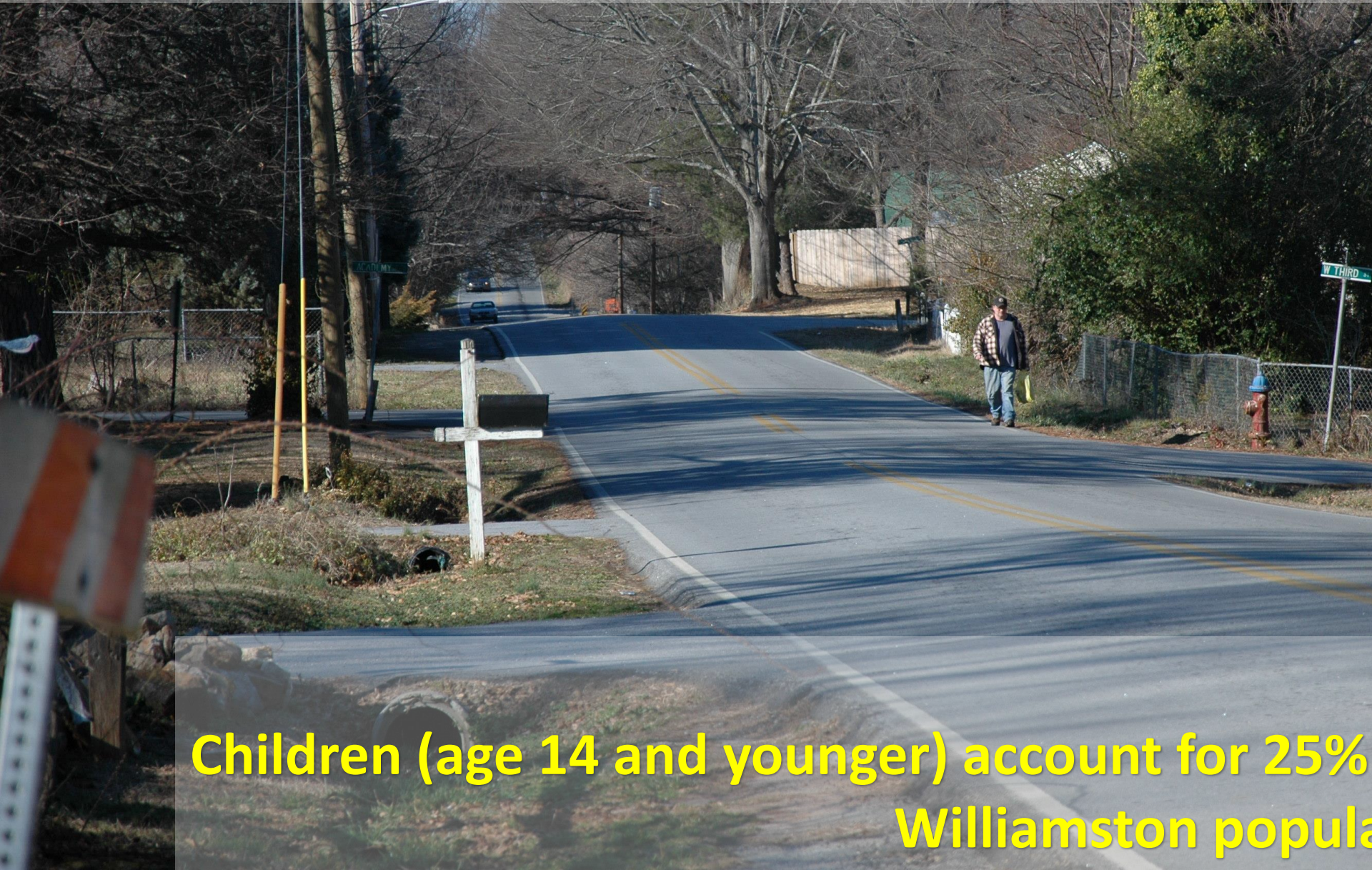
Americans Want Choices

- 55% of Americans would rather **drive less & walk more**.
- **Transit use** is growing faster than population or highway travel.
- Nearly one-third of Americans **don't drive**:
 - 21% of Americans over 65.
 - Children under 16.
 - Many low income Americans do not have access to automobiles.



INTRODUCTION

...more than one in three households in Williamson have access to only one motor vehicle.



Children (age 14 and younger) account for 25%
Williamston popula

Benefits Of Bicycle And Pedestrian Planning



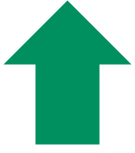
Bicycling/Walking Levels



Safety



Health/Environment



Quality of Life



Economy



INTRODUCTION

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN

“Biking is . . . part of our strategy to attract and retain businesses. . . We want young talent to come here and stay.” – Mayor R.T. Rybak



Plan Outline

- 1.) Introduction, Vision, and Goals
- 2.) Existing Conditions Analysis
- 3.) Policy Recommendations
- 4.) Program Recommendations
- 5.) Network Recommendations
- 6.) Implementation Plan
- 7.) Potential Funding Sources
- 8.) Bike Facility Design Guidelines



Envision Williamston
Walk and Bike-friendly Community
Vision and Implementation Plan



INTRODUCTION

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN



Vision, Goals, and Existing Conditions



VISION, GOALS, & EXISTING CONDITIONS

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN

Project Vision

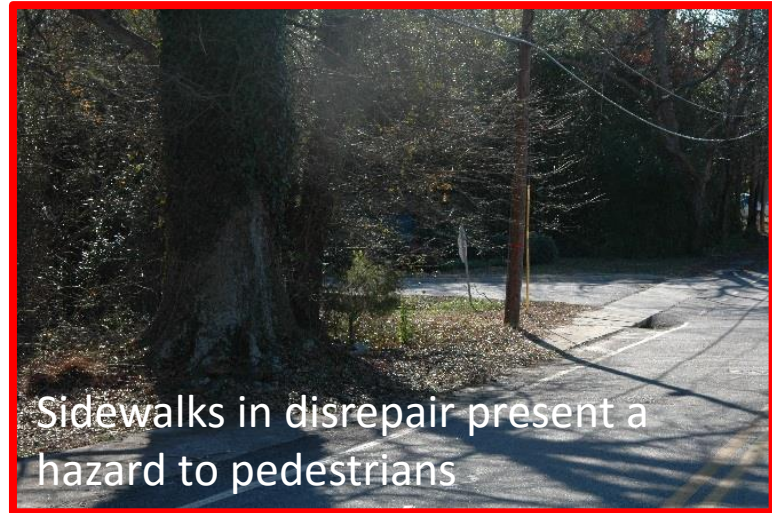
The Town of Williamston Bicycle and Pedestrian Master Plan **envisions a connected network of on- and off-street bikeways, walkways, and trails** that provide **safe and family-friendly access** between neighborhoods and community destinations **for all ages and abilities**. Implementing the recommendations described in **this Plan will compliment, connect and enhance the existing assets of the community** such as Mineral Springs Park, the Mineral Springs Greenway, Main Street Williamston, and the Anderson District 1 School Campuses, among others. **These recommendations could also better connect Williamston with neighboring communities** such as Pelzer and West Pelzer. **When realized, this Plan will enhance the economic vitality, cultural assets, and overall health and well-being of Williamston and its residents.**



VISION, GOALS, & OBJECTIVES

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN

Opportunities & Constraints



OPPORTUNITIES & CONSTRAINTS

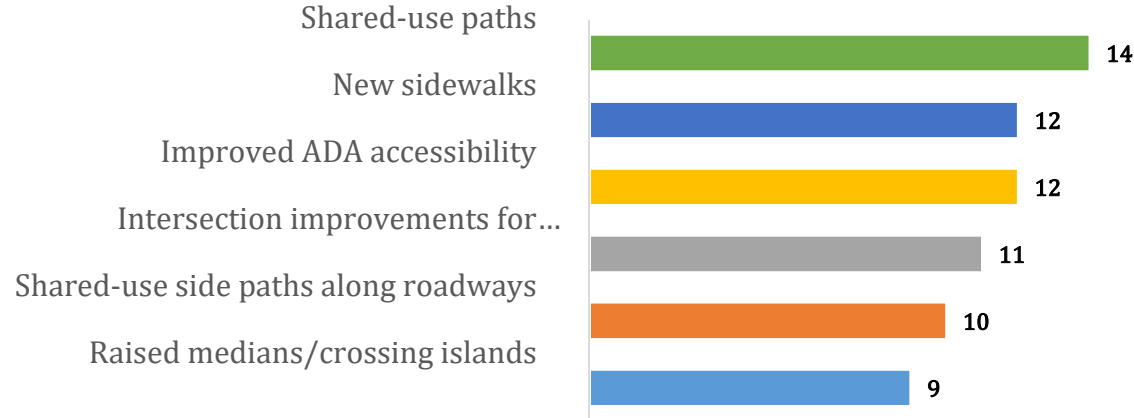
Opportunities & Constraints



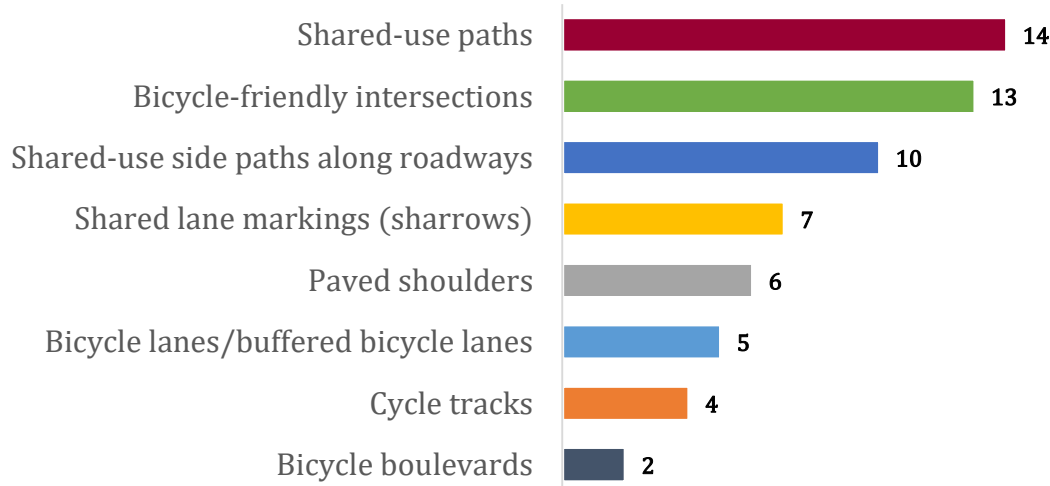
OPPORTUNITIES & CONSTRAINTS

Public Walk/Bike Infrastructure Preferences

Preferred Walking Facilities:



Community Desired Bicycling Facilities:



PUBLIC INPUT

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN



PLAN RECOMMENDATIONS

Bicycle and Pedestrian Infrastructure Recommendations



FACILITY TYPES

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN

Pedestrian Improvements: Linear Sidewalk Gaps



FACILITY TYPES: PEDESTRIAN IMPROVEMENTS

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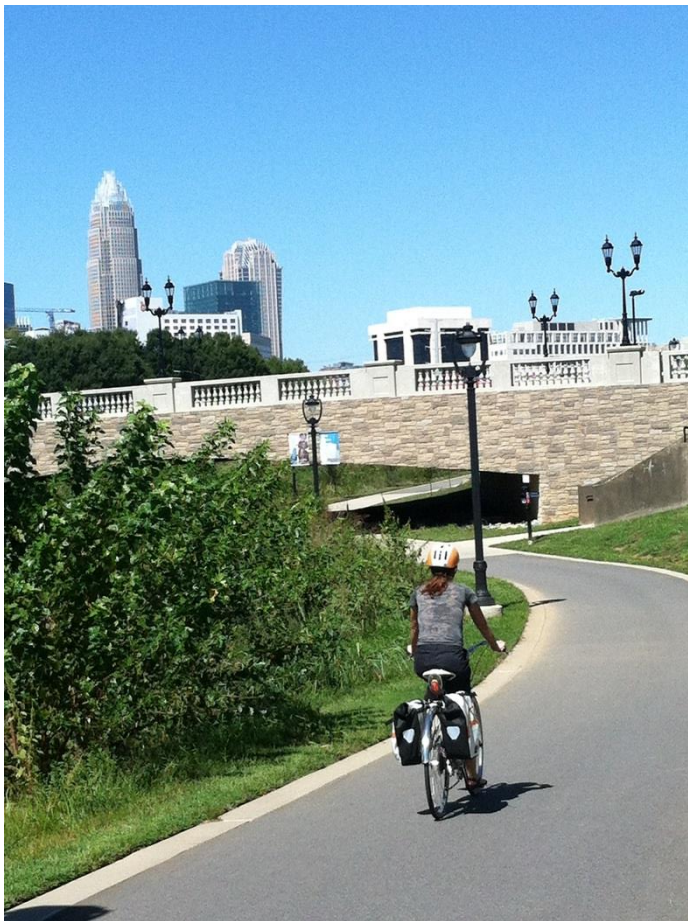
Pedestrian Improvements: Intersection Treatments



FACILITY TYPES: PEDESTRIAN IMPROVEMENTS

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN

Pedestrian Improvements: Sidepath or Shared use Path



FACILITY TYPES: PEDESTRIAN IMPROVEMENTS

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN

Factors for Bicycle Facility Selection

Factors include:

- Road type
(arterial, local street, etc...)
- Traffic volume
- Speed
- Traffic mix (e.g. truck %)
- Expected users – skill, age, volume, destinations
- Road conditions, space, intersections, parking demand

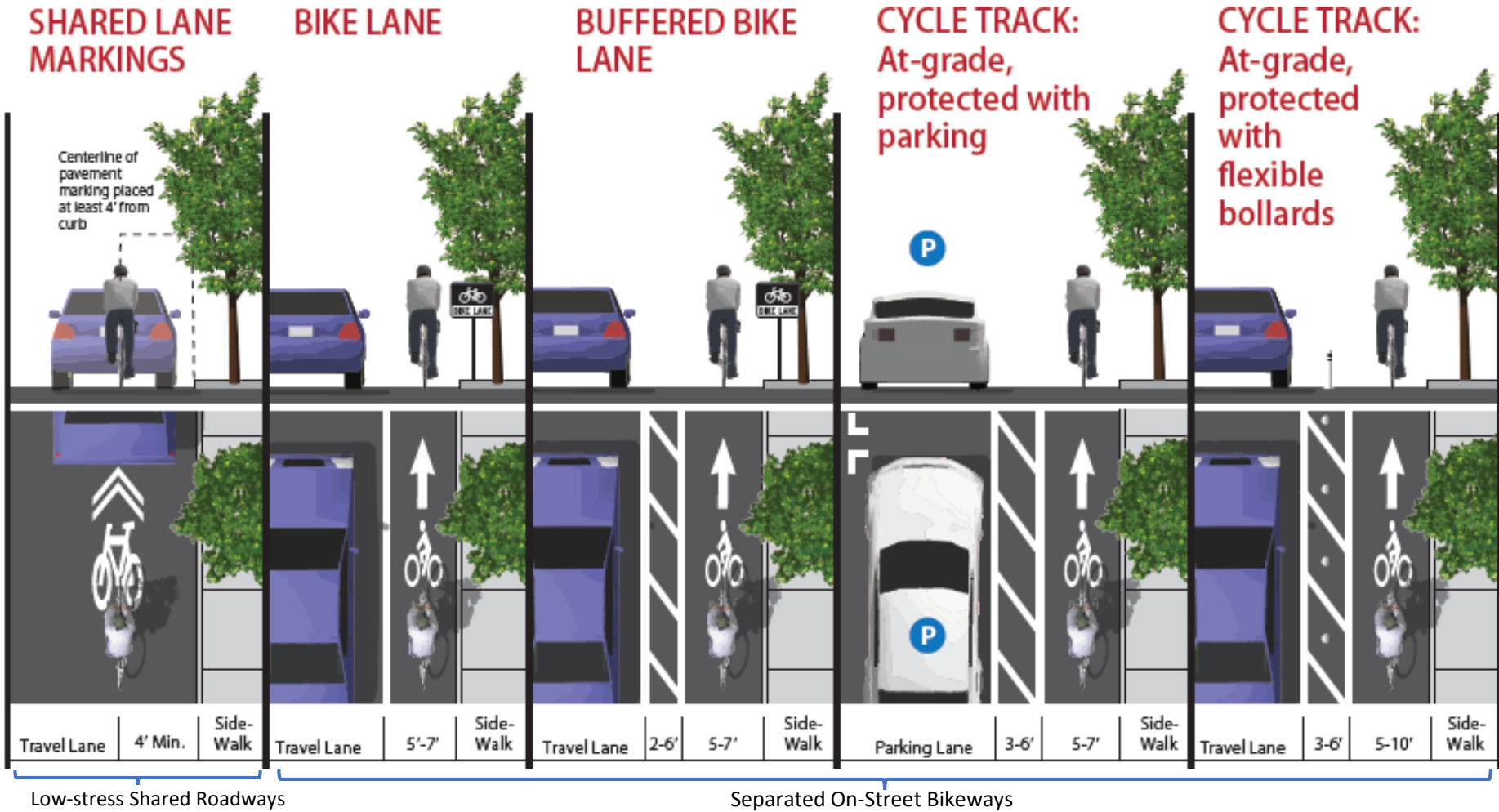


FACILITY TYPES: BICYCLE IMPROVEMENTS

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN

Continuum of Linear Bicycle Infrastructure Types

least protected

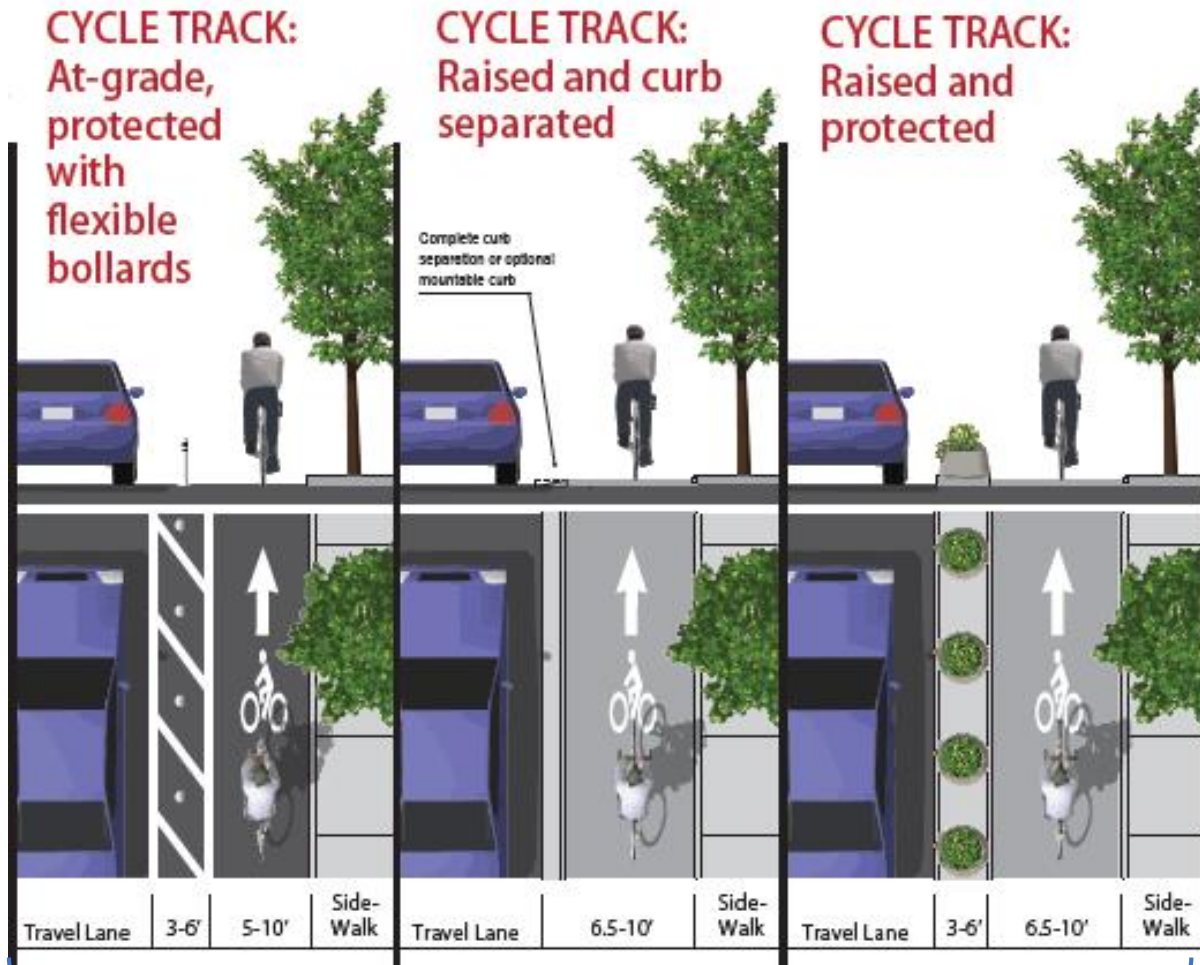


FACILITY TYPES: BICYCLE IMPROVEMENTS

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Continuum Continued



Separated On-Street Bikeways

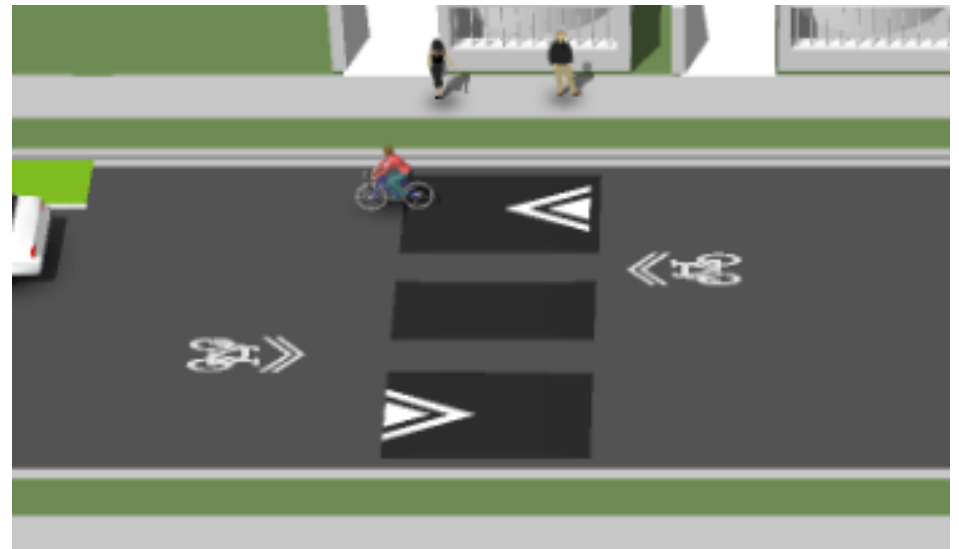


Off-street Trails and Greenways



FACILITY TYPES: BICYCLE IMPROVEMENTS

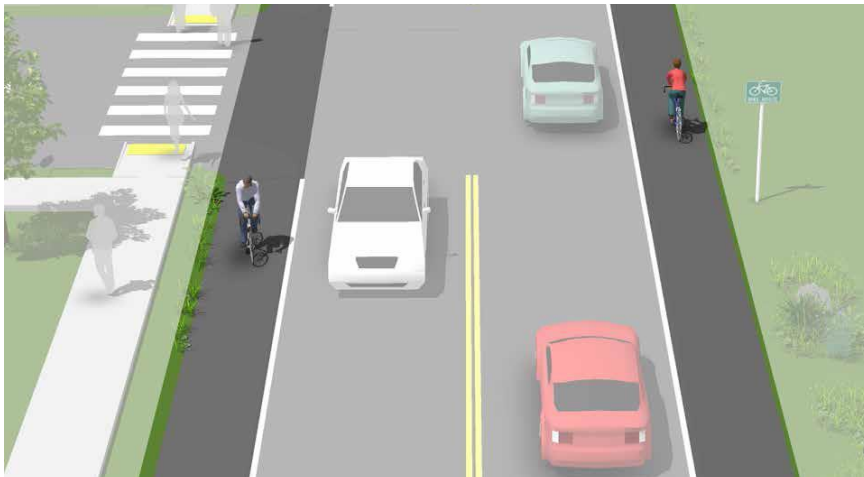
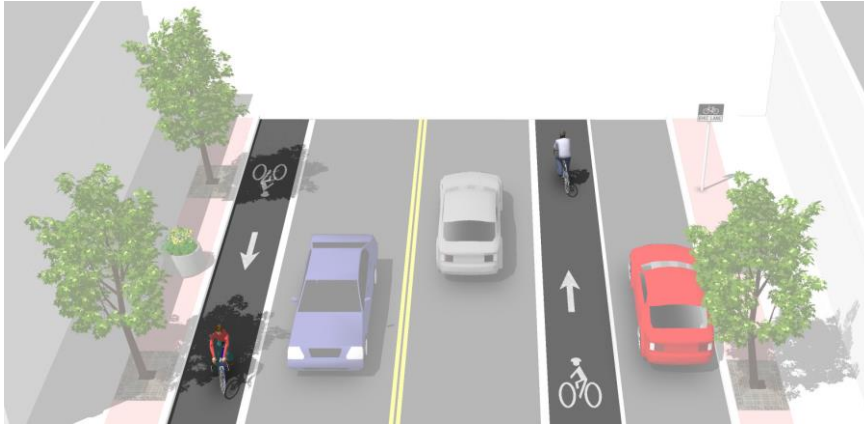
Bicycle Boulevards



FACILITY TYPES: BICYCLE IMPROVEMENTS

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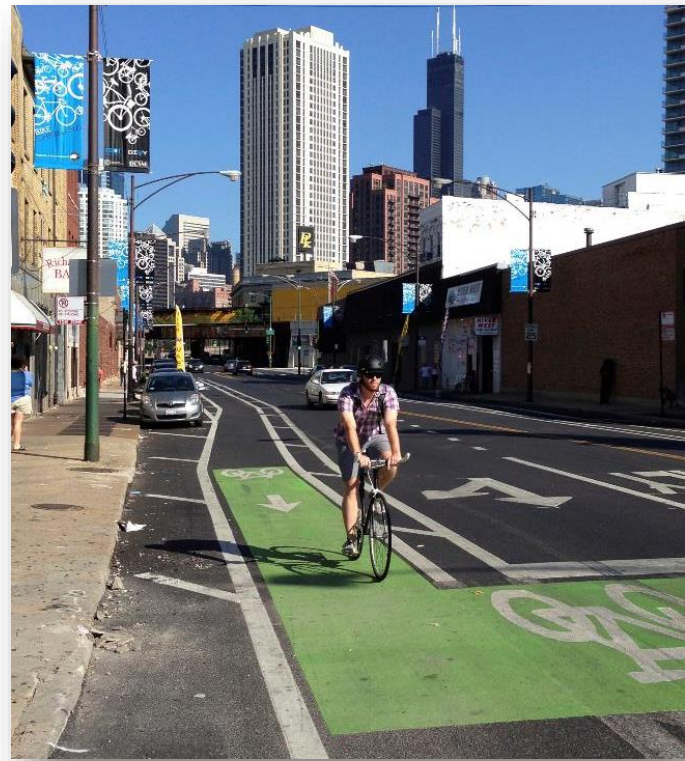
Bike Lanes/Paved Shoulders



FACILITY TYPES: BICYCLE IMPROVEMENTS

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Buffered Bicycle Lanes



FACILITY TYPES: BICYCLE IMPROVEMENTS

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Cycle Track



FACILITY TYPES: BICYCLE IMPROVEMENTS

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Sidepath or Shared use Path



FACILITY TYPES: BICYCLE IMPROVEMENTS

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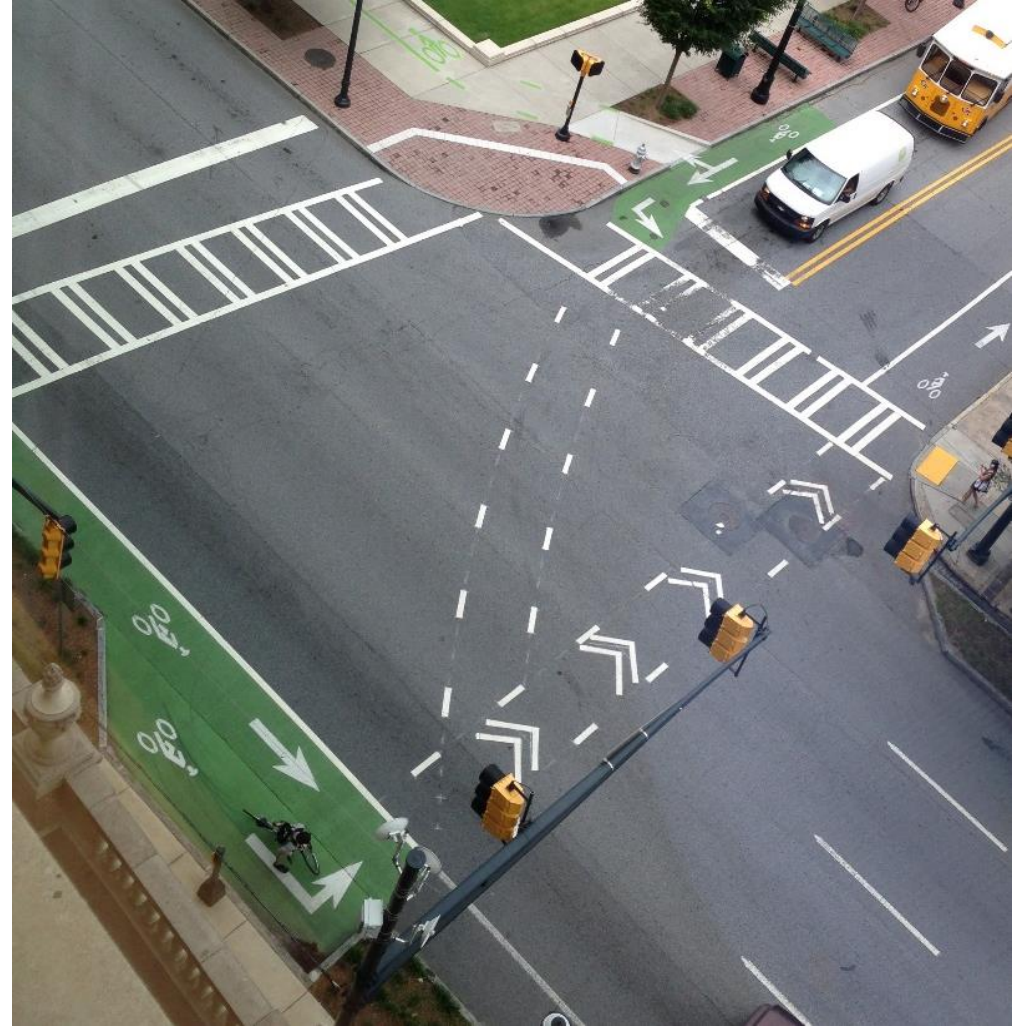
Bicycle and Pedestrian Cut-through



FACILITY TYPES: BICYCLE IMPROVEMENTS

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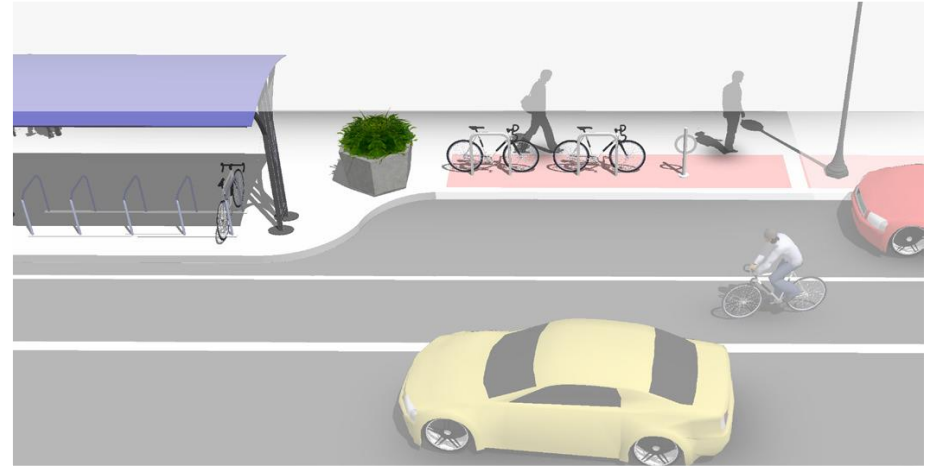
Bike Intersection Improvements



FACILITY TYPES: BICYCLE IMPROVEMENTS

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN

Bicycle Parking



FACILITY TYPES: BICYCLE IMPROVEMENTS

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN

Network Recommendations

Within the town limits, the long-range bicycling and walking vision recommends:

Facility Type	Mileage
New Sidewalks	20.9
Bicycle Boulevards	15.3
Bike Lanes/Paved Shoulders	11.2
Buffered Bicycle Lanes	1.2
Cycle Tracks	0.8
Shared-Use Paths	10.7
Bicycle and Pedestrian Intersection Improvements	6 Intersections



NETWORK RECOMENDATIONS

Williamston, SC Bicycle and Pedestrian Master Plan

Pedestrian Infrastructure Recommendations

Points of Interest

- Place of Worship
- Community Center
- Historic Feature
- Library
- Town Hall
- School Parcels
- Park Parcels

Existing and Proposed Sidewalks

- Existing
- Proposed

Other Pedestrian Improvements

- Shared-use Path
- New Roadway
- Bike/Ped Intersection Improvements

Transportation

- Roadways
- South Carolina Highway
- State Jurisdiction Road
- Railways

Physical Features

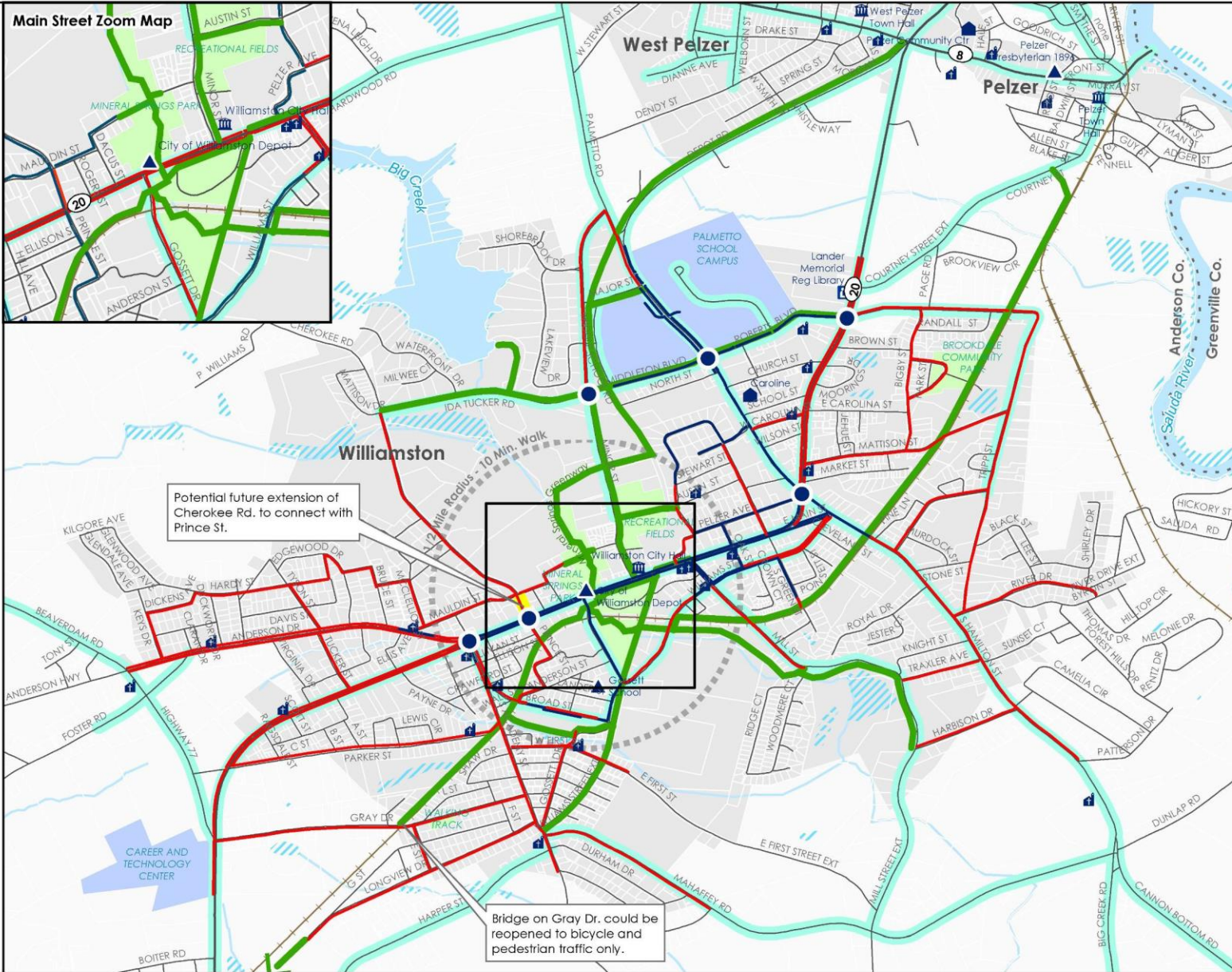
- Water Bodies
- Wetlands

Boundaries

- Municipality
- County Boundaries
- Parcels and ROW (white)



Map Created: April, 2015
Data Obtained from: GPATS,
SCDOT, Anderson County GIS,
SCDNR, and census.gov



TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN



Williamston, SC Bicycle and Pedestrian Master Plan

Bicycle Facility Recommendations

Points of Interest

- Place of Worship
- Community Center
- Historic Feature
- Library
- Town Hall
- School Parcels
- Park Parcels

Recommended Bike Improvements

- Shared-use Path
- Cycle Tracks
- Buffered Bike Lanes
- Bike Lanes
- 4' Min Paved Shoulders
- Bicycle Boulevard
- New Roadway

● Bike/Ped Intersection Improvements

Transportation

- Roadways
- South Carolina Highway
- Railways
- State Jurisdiction Road

Physical Features

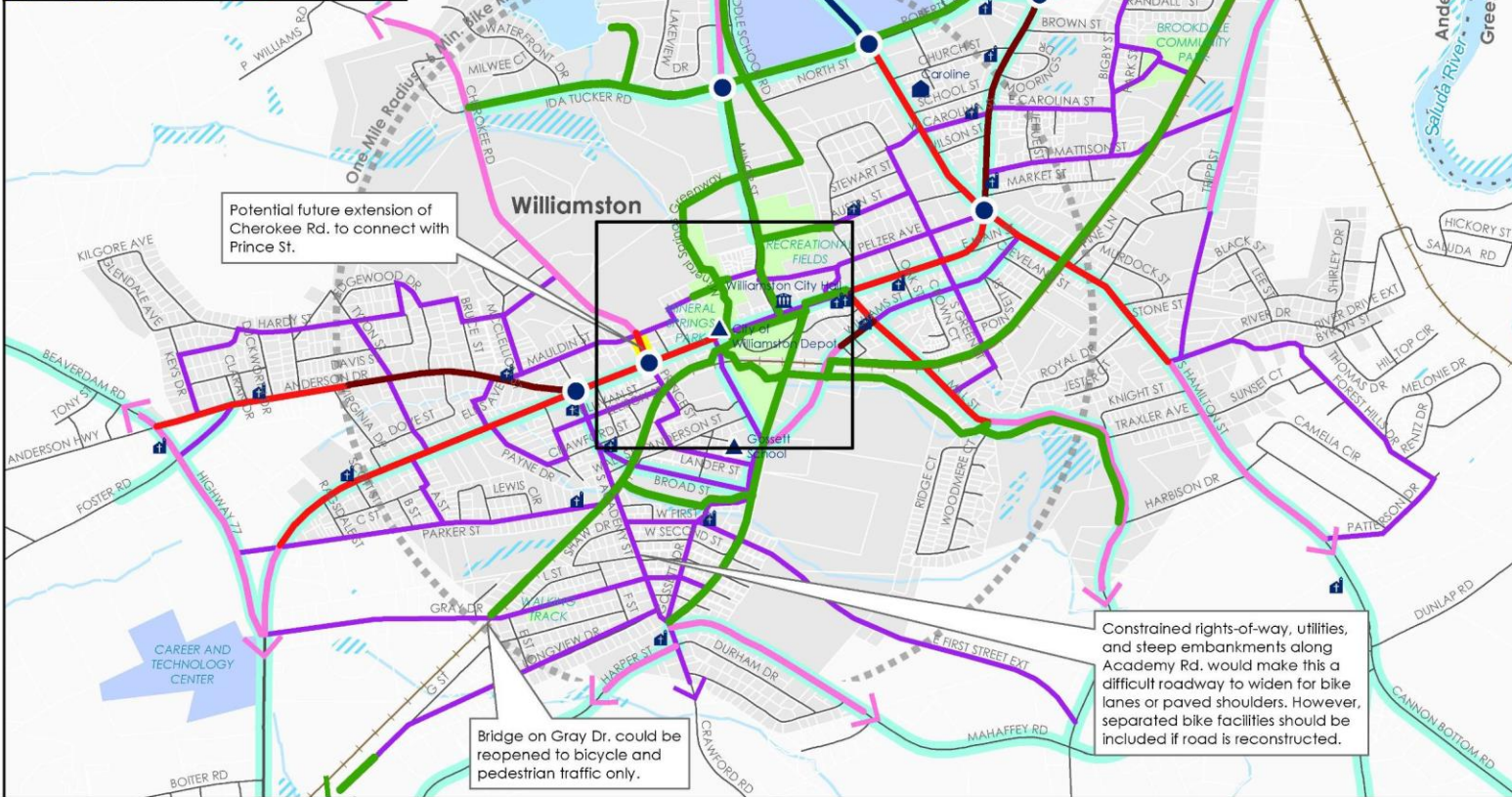
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Proposed rail with trail to connect to future Saluda River boat ramp and park.

Potential future extension of Cherokee Rd. to connect with Prince St.

Bridge on Gray Dr. could be reopened to bicycle and pedestrian traffic only.

Constrained rights-of-way, utilities, and steep embankments along Academy Rd. would make this a difficult roadway to widen for bike lanes or paved shoulders. However, separated bike facilities should be included if road is reconstructed.

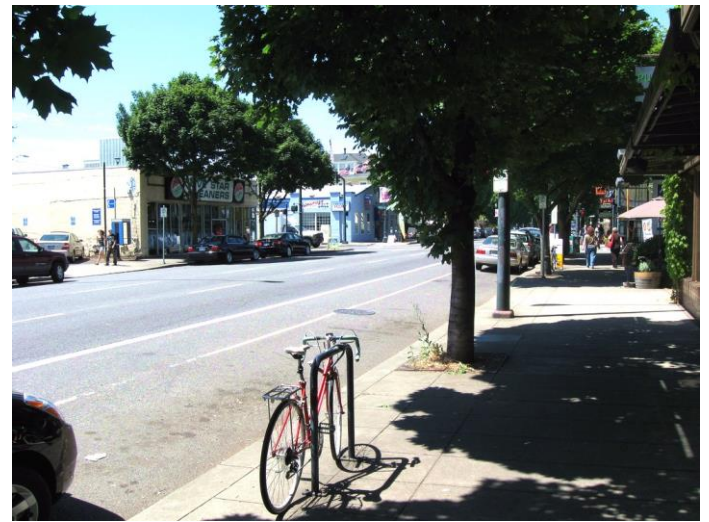
NETWORK RECOMMENDATIONS

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN



Policy Recommendations

- Require pedestrian and bicycle facilities during new development or redevelopment.
- Vehicle parking minimums and maximums.
- Bicycle parking requirements.
- Limit curb cuts.
- Sidewalk maintenance policy + procedure.
- Complete Streets policy.
- Developer road connectivity requirements.
- Site plans consider pedestrians and bicyclists.
- Sidewalk retrofit/infill program and policy.



POLICY RECOMMENDATIONS

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN

Program Recommendations

- Safe Routes to School
- National Bike Month
- Bicycle and Walk Friendly Community Programs
- Community Bicycling and Walking Map
- Active Older Adults Walking Program
- Bicycle and Pedestrian Advisory Committee



PROGRAM RECOMMENDATIONS

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN

IMPLEMENTATION PLAN



Top 10 Priority Projects

Corridor	From	To	Fac. Type	Miles	Cost Est.
Highway 20	East of Hamilton Street	Town limit	Sidewalk on both sides	0.58	\$2,146,000
Academy Street	Main Street	Town limit	Sidewalk, bicycle boulevard	0.78	Sidewalk: \$1,442,000 Boulevard: \$35,000
Minor Street	Main Street	Middleton Boulevard	Sidewalk/ shared-use path	0.61	\$366,000
E. Main Street	Hamilton Street	Mill Street	Bike lane and road diet	0.40	\$30,000
Mineral Springs Greenway	Current end near Minor Street	Palmetto Campus	Shared-use path	0.83	\$498,000
Hamilton Street	Roberts Boulevard	Depot Road	Cycle tracks and road diet	0.46	\$74,000
Cherokee Road	Mauldin Street	Prince Street	Road, bike lanes, and sidewalk on both sides	0.08	Road estimate requires engineering study
Anderson Drive	Main Street	Beaverdam Road	Sidewalk on both sides	0.92	\$3,402,000
Anderson Drive	Main Street	Beaverdam Road	Bike lanes and buffered bike lanes	0.95	\$67,000
Roberts Boulevard & Hamilton Street			Intersection improvements		\$50,000
				Total	\$8,110,000



IMPLEMENTATION PLAN

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN

Academy St

From Main St.
to town limit



Main St

From Hamilton St.
to Mill St.



Hamilton St

From Roberts Blvd.
to Depot Rd.

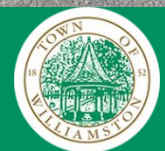


IMPLEMENTATION PLAN

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN

Cherokee Rd

From Mauldin St.
to Prince St.

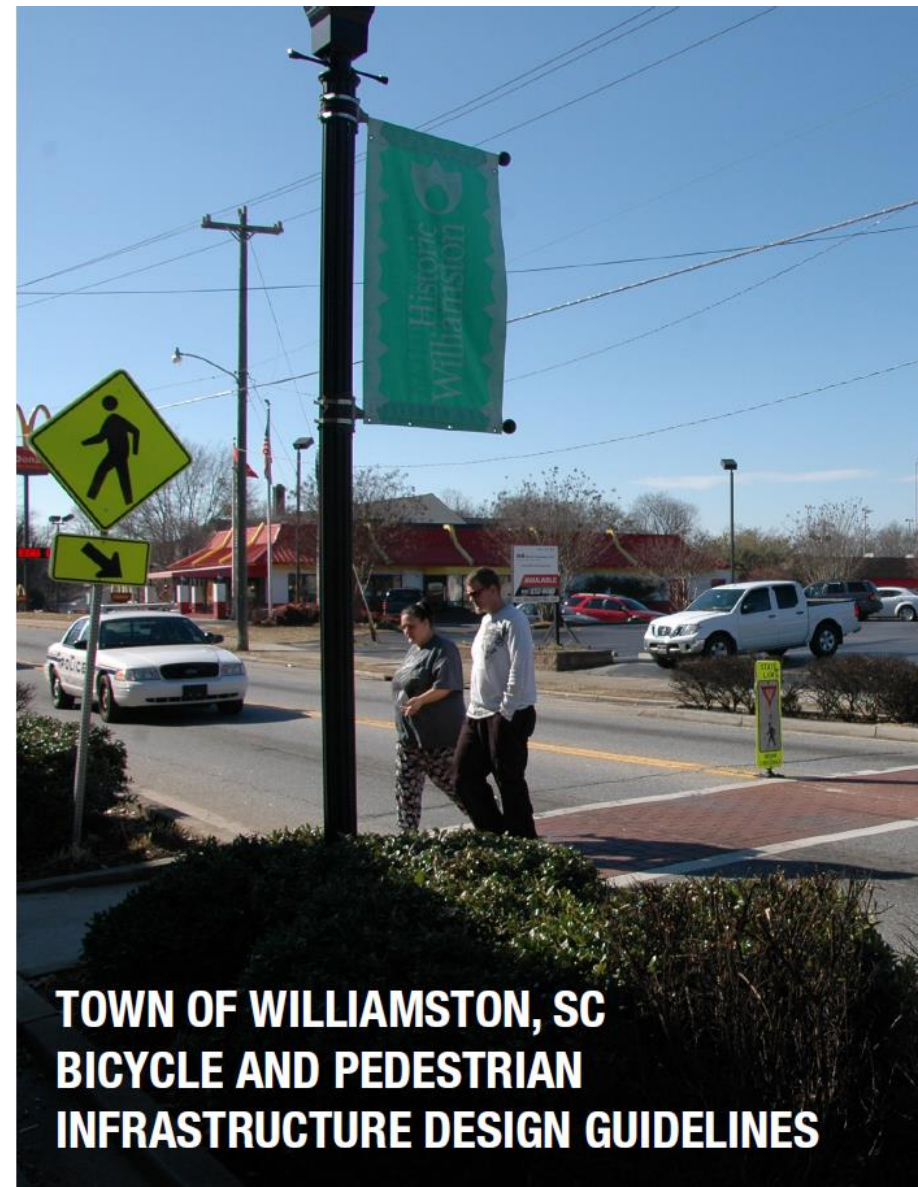


IMPLEMENTATION PLAN

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN

Implementation Tools

- Overview of Funding Sources
 - Federal, State, Local
 - Traditional funding, Grants, and Private Sources
- Design Guidelines
 - National best practices for bicycle and pedestrian infrastructure design



IMPLEMENTATION TOOLS

TOWN OF WILLIAMSTON, SC BICYCLE AND PEDESTRIAN MASTER PLAN