

Prioritization and Ten-Year Plan

BikeRaleigh Plan

Vision: “Raleigh is a place where people of all ages and abilities bicycle comfortably and safely for transportation, fitness, and enjoyment. The BikeRaleigh network is integrated into the transportation system to connect people to where they live, work, play, and learn.”

This chapter features a brief summary of the prioritization process and the selection of priority projects to focus on over a ten year time frame.

These projects are mostly Separated Bikeways and Neighborhood Bikeways that, along with the Capital Area Greenway System, form the All Ages and Abilities network. They are selected based on their prioritization ranking, their ability to connect key destinations and complement existing and programmed facilities, their ability to be built within existing curbs, as well input from the public, city staff, and the project Steering Committee.

Maps at the end of this chapter articulate a vision of what bicycle infrastructure is likely to become in the City of Raleigh within the next decade. In addition to the priority projects recommended by this plan, the maps include existing on-street bicycle facilities, bicycle facilities to be provided by currently programmed street projects, the existing network of greenway trails, and the anticipated next phase of greenway trail construction. These also show priorities from the 2016 update that are not able to fit between existing curbs and need additional resources.

PRIORITIZATION CRITERIA AND WEIGHTING

PARK AND GREENWAY ACCESS (6)

POPULATION SERVED (4)

LEVEL OF REPORTED BIKE CRASHES (4)

AREAS CURRENTLY WITH LOW BICYCLE FACILITY SERVICE (3)

ACCESS TO DESTINATIONS (3)

NEED AND EQUITY (2)

PRIORITIZATION PROCESS

The recommended long-term network described in Chapter 3 was divided into segments and each segment was then ranked by six weighted criteria. The prioritization matrix found in Appendix C provides full results of this exercise.

*Criteria weights are in parenthesis, with higher numbers representing higher weights.

Projects in the Ten Year Priority Plan were selected from high-ranking projects by city staff, consultants, and Steering Committee members. Many of these projects implement portions of the recently adopted Downtown Plan or will support the planned bike share system. Some projects implement portions of other plans nearing completion, including the Six Forks Corridor Study, the Southern Gateway Corridor Study, and the Cameron Village - Hillsborough Street Small Area Plans. Some projects also serve newly-acquired Dix park.

There are projects that earn high scores in the prioritization matrix, but for which there is no clear implementation path in the five to ten year time frame. In these cases, this plan recommends that the result be used to inform greenway trail prioritization. The goal is to prioritize greenway trails and off-street connectors serving areas where on-street facilities are not feasible.

The projects in the Ten Year Priority Plan will require significant planning, design, and community involvement in order to fully implement. The BikeRaleigh Plan Update is a big-picture, city-wide plan which cannot precisely determine project alternatives or scope. In some cases, the street alignments or project endpoints are likely to change through the implementation process.



Additional details are in Chapter 8 on Future Steps for each project.

Table 4.1: Ten year priority list (Greenways)

GREENWAY	From	To	Miles
G1 CRABTREE GREENWAY	LINDSAY DR	DURALAEIGH	1.77
G2 LASSITER MILL GAP	NORTHAMPTON	CURRENT PAVED CRABTREE GREENWAY	1.04
G3 ROSENGARTEN TRAIL	S SAUNDERS	CABARRUS	0.29
G4 WALNUT CREEK GREENWAY	CENTENNIAL CAMPUS GREENWAY CONNECTION	TRAILWOOD	0.12
G5 TRENTON ROAD SIDEPATH	REEDY CREEK TRAIL AT UMSTEAD EAST ENTRANCE	I-40 BRIDGE	0.79
STRUCTURE 106 REROUTE	CAPTIAL	CRABTREE GREENWAY	0.39
Total			4.4

Project list above is in no particular priority order.

Table 4.2: Ten year priority list (Separated Bikeways)

SEPARATED	From	To	Miles
FAIRCLOTH	HILLSBOROUGH	WADE	0.48
GARNER ROAD BIKEWAY CONNECTION	SAINTS	PETERSON	0.05
GORMAN	LIGON	CLARK	0.35
S1 SOUTH STATE STREET BIKEWAY	PETERSON	BUNCHE	0.51
S2 DOWNTOWN NORTH-SOUTH GREENWAY CONNECTOR PH2	NORTH	PEACE	0.53
S3 DOWNTOWN EAST-WEST GREENWAY CONNECTOR	WEST	EAST	0.83
W MORGAN	ST MARYS	DAWSON	0.41
WADE TO CAPITAL RAMP CROSSING IMPROVEMENT	WEST	WADE	0.02
WEST STREET NORTH	PEACE	WADE	0.55
Total Miles			3.73
Percent of Category			16.04%
SIDEPATH UPDATE/REHAB	From	To	Miles
AVENT FERRY SIDEPATH REHAB	WESTERN	LAKE JOHNSON PARK	2.67
FALLS OF NEUSE SIDEPATH REHAB	OLD WAKE FOREST	NEUSE RIVER TRAIL	9.46
GLENWOOD SIDEPATH REHAB/IMPROVEMENTS	REMBERT	DRIVEWAY JUST WEST OF CREEDMOOR	0.98
LYNN SIDEPATH REHAB	BROOKEMEADE	NORTH HILLS DR	0.85
NEWTON RD SIDEPATH	SIX FORKS	EAST MINE FORK GREENWAY	0.14
OLD FALLS CONNECTOR	KEITH STORE	NC 98	0.44
ROCK QUARRY SIDEPATH REHAB	MLK	EAST OF NEW BIRCH	2.13
ROCKY BRANCH SIDEPATH	CABARRUS	PULLEN	0.85
WESTERN BLVD SIDEPATH REHAB	GORMAN	JONES FRANKLIN	2.01
Total Miles			19.53
Percent of Category			83.96%
Total			23.26

Map 4.1: Ten Year Priority Plan:
Separated Bikeways + Greenways

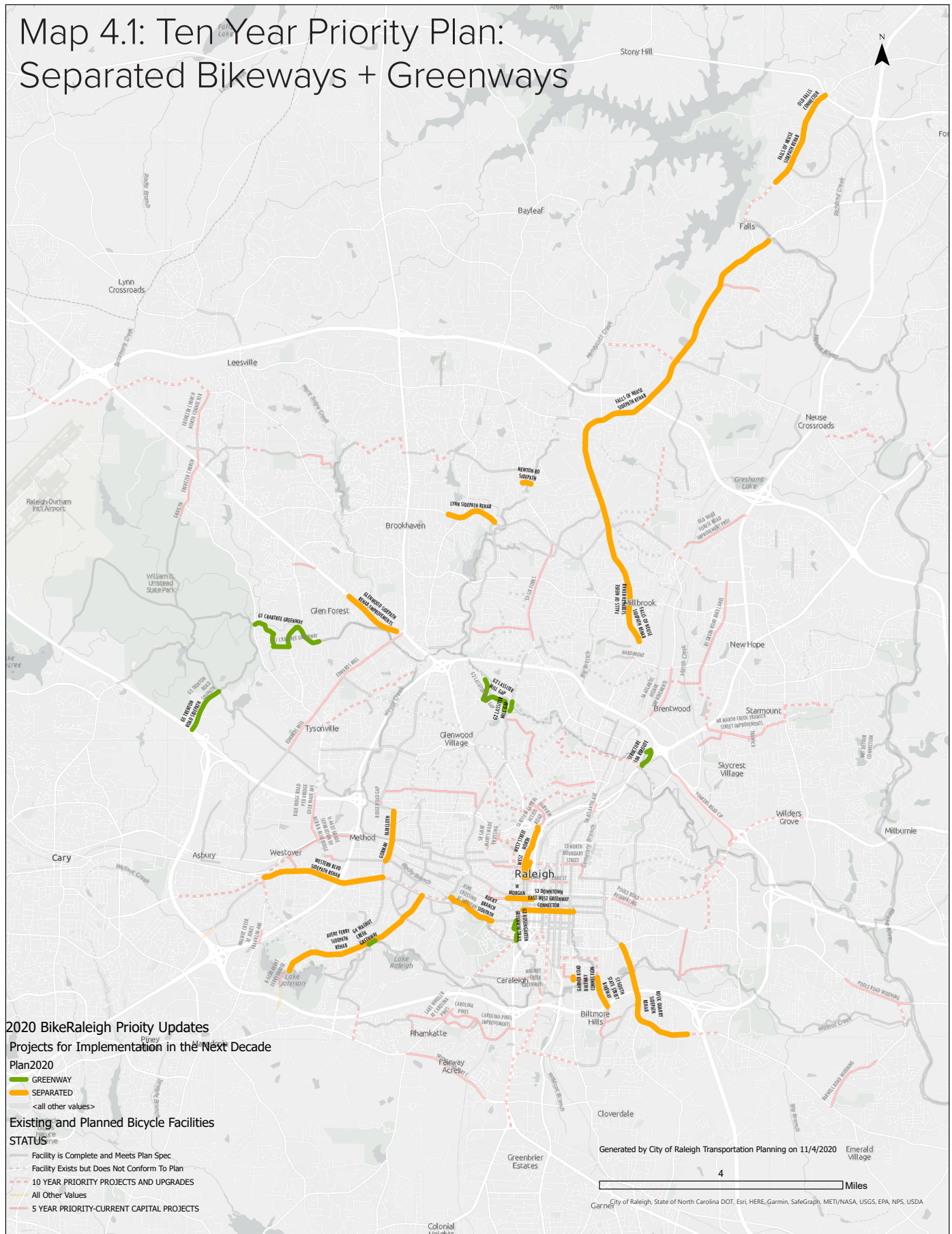


TABLE 4.3: Ten Year Priority List (Conventional Bike Lanes)

BIKE LANE	From	To	Miles
AVENT FERRY CLIMING LANE	END B-5130	OLD AVENT FERRY	0.35
B1 GREEN ROAD BIKE LANES	NEW HOPE CHURCH	SPRING FOREST	1.43
B2 LINEBERRY	JOANNE	LAKE WHEELER	0.33
B6 WHITAKER MILL BIKE LANES	REAVES	WAKE FOREST ROAD	0.73
BUCK JONES CLIMBING LANE	FARM GATE RD	I-40	0.27
BUCK JONES INTERIM INTERSECTION	JONES FRANKLIN	XEBEC WAY	0.08
DUNN RD	FALLS OF NEUSE	FALLS RIVER AVE	0.66
FAIRVIEW	AYCOCK	CAPITAL	0.21
HARDIMONT	NORTH HILLS	SIX FORKS	0.42
HOKE ST	BLOODWORTH	PERSON	0.09
MILBURNIE	RALEIGH	SHANTA	1.28
PLEASANT VALLEY	DURALEIGH	GLENWOOD	0.37
RALEIGH BLVD GAP	NEW BERN AVE	POOLE RD	0.15
RIDGE ROAD GAP	PHYLLIS	WADE	0.13
S5 JOHNSON ST	HARRINGTON	WEST	0.38
S8 SAINT MARYS WADE CROSSING	NICHOLS	WADE	0.12
SHANTA DR	MILBURNIE	NEW BERN AVE	0.13
WALNUT CREEK AT ELIZA POOL PARK	WATER WORKS	GILBERT	0.13
WALNUT CREEK ON ROAD CONNECTION AT POOL PARK	S WILMINGTON	WATER WORKS	0.15
Total			7.41

Map 4.2: Ten Year Priority Plan: Bicycle Lanes + Neighborhood Bikeways

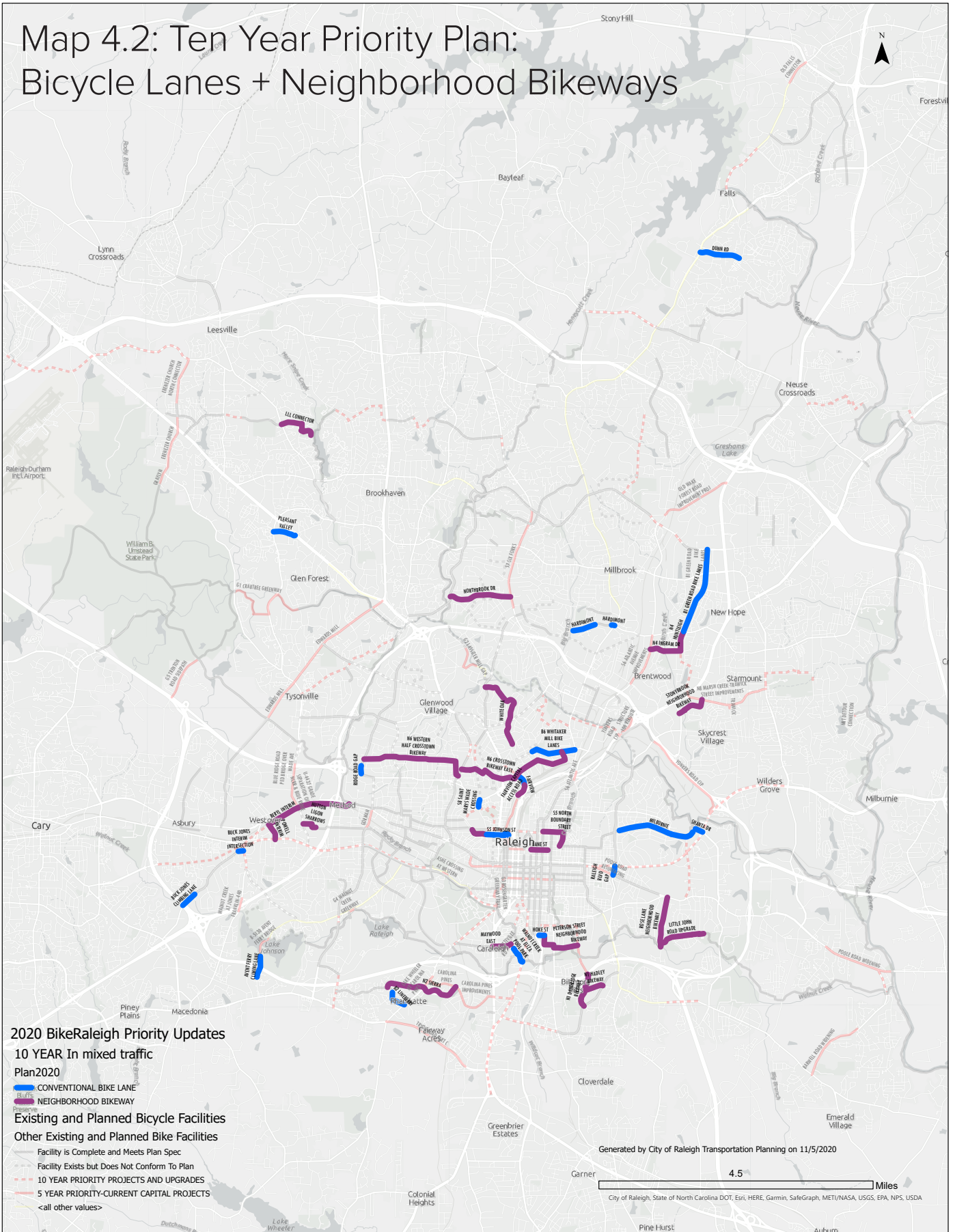


Table 4.4: Ten year priority list (Neighborhood Bikeways)

NEIGHBORHOOD BIKEWAY	From	To	Miles
BERYL INTERIM	HILLSBOROUGH	POWELL	1.41
FAIRVIEW-CAPITAL ACCESS ROAD	CAPITAL	FAIRVIEW	0.22
HUTTON LIGON SHARROWS	NCSU BOUNDARY	BLUE RIDGE	0.26
LANE ST	WILMINGTON	BLOODWORTH	0.28
LITTLE JOHN ROAD UPGRADE	DEAD END LITTLE JOHN	CARLISLE	0.72
LEESVILLE LAKE LYNN CONNECTOR	LEESVILLE RD	LAKE LYNN GREENWAY	0.68
MAYWOOD EAST	S SAUNDERS	FAYETTEVILLE	0.31
N1 DANDRIDGE BIKEWAY	BUNCHE	CROSS LINK	0.56
N1 HADLEY BIKEWAY	DANDRIDGE	CROSS LINK	0.31
N13 JOHNSON ST	ST MARYS	CLARK	0.27
N2 SIERRA	LINEBERRY	CAROLINA PINES	1.3
N4 HUNTLEIGH	INGRAM	NEW HOPE CHURCH	0.33
N4 INGRAM DR	ATLANTIC	BRENTWOOD	0.51
N6 CROSSTOWN BIKEWAY EAST	WHITAKER MILL	OBERLIN	2.08
N6 WESTERN HALF CROSSTOWN BIKEWAY	RIDGE	OBERLIN	1.78
N7 BLOODWORTH-SAINTS NBHD BIKEWAY	HOKE	GARNER RD	0.31
NORTHBROOK DR	NORTH HILLS	SIX FORKS	1.01
PETERSON STREET NEIGHBORHOOD BIKEWAY	GARNER RD	S. STATE	0.4
POWELL INTERIM	BERYL	WESTERN	0.28
ROSE LANE NEIGHBORHOOD BIKEWAY	POOLE	WALNUT CREEK GREENWAY	0.83
S5 NORTH BOUNDARY STREET	PERSON ST	WATAUGA	0.33
STONYBROOK NEIGHBORHOOD BIKEWAY	BRENTWOOD	TRAWICK	0.51
WATAUGA ST NEIGHBORHOOD BIKEWAY	OAKWOOD	BOUNDARY	0.24
WHITE OAK	LASSITER MILL	OXFORD	1.34
Total			16.27

TEN YEAR PRIORITY PLAN

The maps on the following pages feature the top 29 priority projects, which are a combination of separated bikeways, neighborhood bikeways, bicycle lanes and greenway trails. Additional facilities will also be implemented as opportunities arise, such as a resurfacing project or major roadway project. The maps also include existing and programmed facilities.

TABLE 4-4: TEN YEAR PRIORITY PLAN (SHOWN IN MILES)

Facility Type	Existing Facilities	Programmed Projects	Priority Projects	Total Network
Paved Greenway Trail	107	3	0	110
Separated Bikeway	21	10	13	45
Neighborhood Bikeway	0	N/A	43	43
Main Street Bikeway and Sharrows	27	1	N/A	28
Bicycle Lane, including climbing lanes	32	11	9	52
Total	187	25	65	278

MAP KEY FOR THE FOLLOWING PAGES

Map key of the seven sector maps detailing the Ten Year Priority Plan on pages 4-9 through 4-15.

