

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, 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.

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

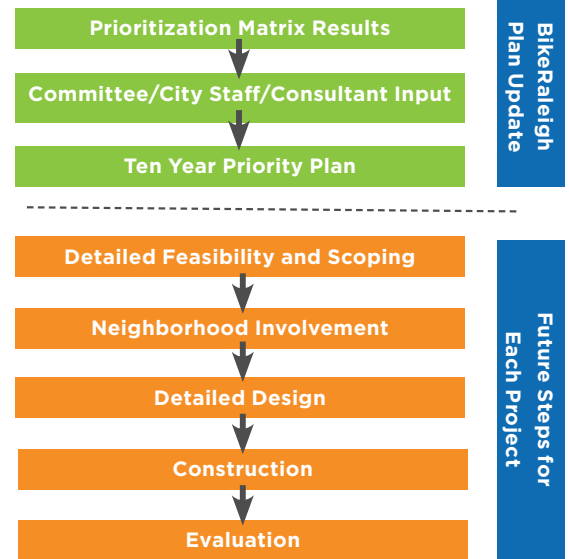
The recommended long-term network described in Chapter 3 was divided into segments and each segment was then ranked by six weighted criteria. The prioritization matrix found in Appendix C provides full results of this exercise.

*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 (SEPARATED + NEIGHBORHOOD BIKEWAYS)

	Project Name	From	To	Mileage	
Separated Bikeways	S1	S. State St	Martin Luther King Jr. Blvd	I-40 Bridge	1
	S2	West St	Peace St	Martin St	0.8
	S3	Martin St	West St	Chavis Way	0.8
	S4	S. Wilmington St	Martin Luther King Jr. Blvd	Chapanoke Rd	2.5
	S5	Peace St/Johnson St/ Boundary St*	Clark Ave	Watauga St	1.5
	S6	Atlantic Ave	Brookside Dr	New Hope Church Rd	2.8
	S7	Six Forks Rd	Ramblewood Dr	Lynn Rd	2.4
	S8	St. Marys St/Boylan Ave*	Wade Ave	Western Blvd	2
			Total	14	

Projects are listed in rough order of priority, as determined by prioritization matrix results and implementation difficulty.

**Project features sections of neighborhood bikeways*

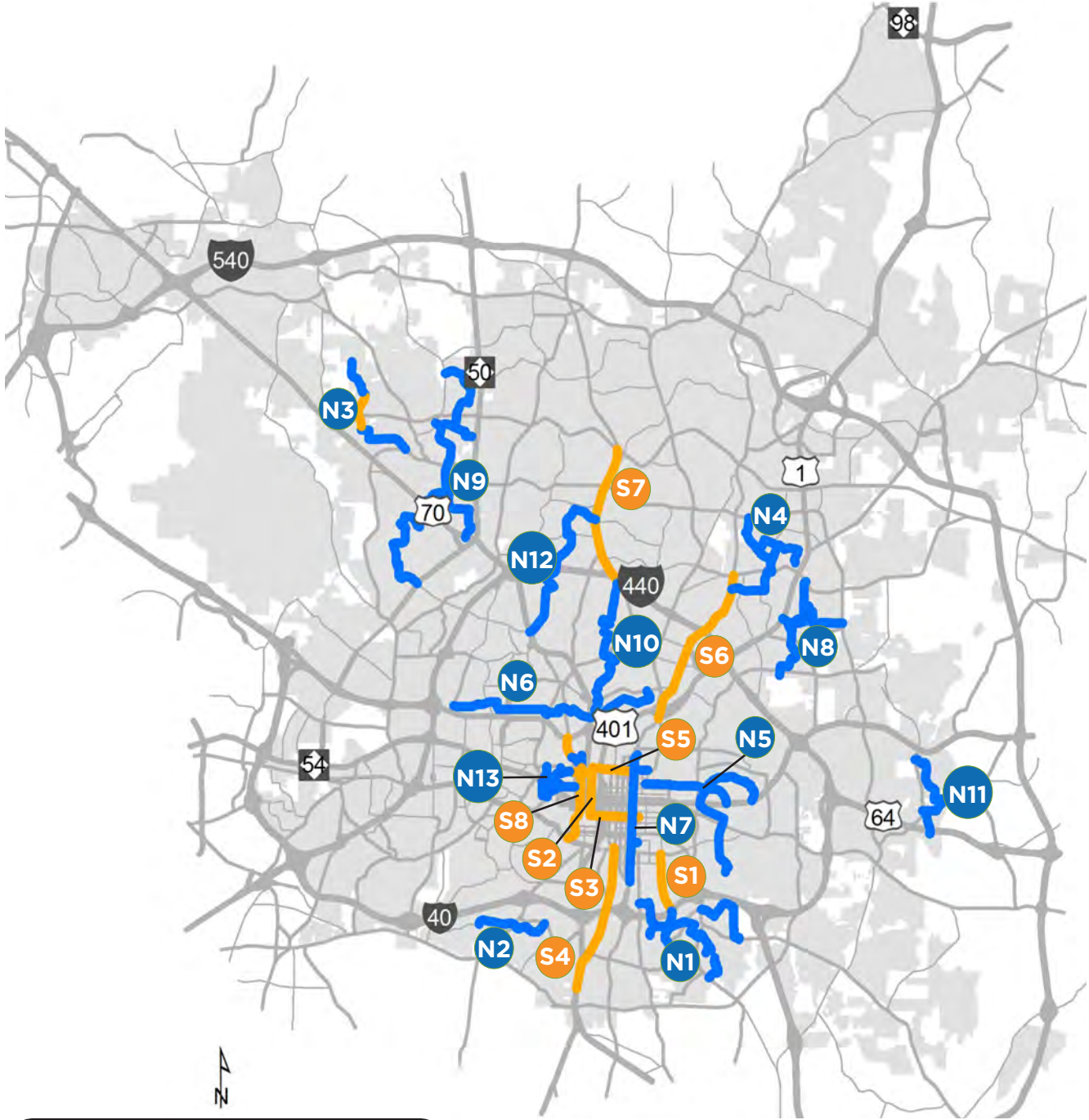
4-2 PRIORITIZATION AND TEN-YEAR PLAN

Neighborhood Bikeways				
	Project Name	From	To	Mileage
N1	Dandridge Dr/Hadley Rd/Southgate Dr	I-40 Bridge/Rock Quarry Rd	Biltmore Hills and Sanderford Road Parks	4.6
N2	Sierra Dr/Henslowe Dr	Lineberry Dr	Carolina Pines Ave	1.3
N3	Hilburn Dr/Pleasant Grove Church Rd**	Leesville Park	Millbrook Rd	2.2
N4	Ingram Dr/Brockton Dr	Millbrook Rd	Atlantic Ave	3.3
N5	Oakwood Ave/Bertie Dr/Peyton St	Bloodworth St	Walnut Creek Trail/ New Bern Ave	4.4
N6	Leonard St/Grant Ave/ Pershing Ave	Ridge Rd	Whitaker Mill Rd	4
N7	Bloodworth St	Sasser St	Chavis Park/Saints Ave	2.2
N8	Haithcock Rd/ Broadlands Dr/Baugh St	Marsh Creek Park/ Buffaloe Rd	Capital Blvd/ Skycrest Dr	3.6
N9	Oak Park Rd/Rembert Dr/ Winthrop Rd	Laurel Hills Park/ Glenwood Ave	Ray Rd/Jeffery's Grove School Rd	7.4
N10	Bellevue Rd/Oxford Rd/ Scales St	Six Forks Rd	Harvey St	2.8
N11	Penncross Dr/Robbins Dr	Anderson Point Park	N. Rogers Ln	1.9
N12	Granville Dr/Yadkin Dr	Glenwood Ave	Six Forks Rd	2.9
N13	Cox Ave/Benehan St/ Park Ave/Forest Rd	Ashe Ave/Clark Ave	St. Marys St/ W. Johnson St	1.9
			Total	42

Projects are listed in rough order of priority, as determined by prioritization matrix results and implementation difficulty.

***Project features sections of separated bikeways*

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



LEGEND

- SEPARATED BIKEWAY
- NEIGHBORHOOD BIKEWAY

TABLE 4.2: TEN YEAR PRIORITY LIST (BICYCLE LANES)

		Project Name	From	To	Mileage
Bicycle Lanes	B1	Green Rd	New Hope Church Rd	Spring Forest Rd	1.4
	B2	Lineberry Dr/ Trailwood Dr/ Thistledown Dr	Tryon Rd/Gorman Ave	Lake Wheeler Rd	2.3
	B3	Donald Ross Dr/ Peartree Ln	Milburnie Rd	Poole Rd	1
	B4	Cameron St/ Woodburn Rd	Oberlin Rd/Clark Ave	Smallwood Dr	0.5
	B5	Illeagnes Rd/Rush St/Cross Link Rd	Wyncote Dr	Rock Quarry Rd	1.6
	B6	Whitaker Mill Rd	Atlantic Ave	Reaves Dr	1
	B7	N. State St	Oakwood Ave	Glascock St	0.7
	B8	Maywood Ave	Lake Wheeler Rd	S. Saunders St	.6
				Total	9

Projects are listed in rough order of priority, as determined by prioritization matrix results and implementation difficulty.

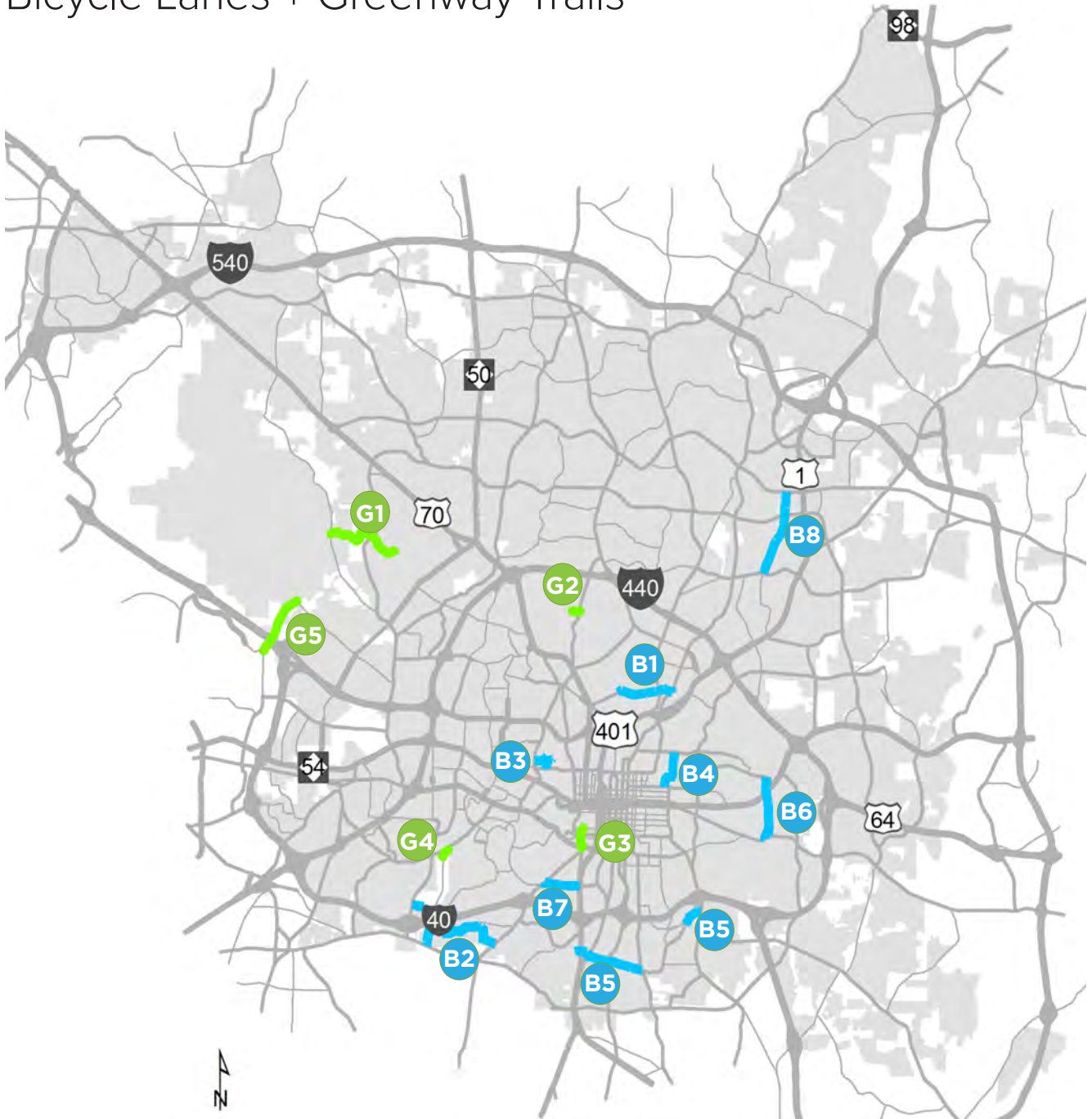
TABLE 4.3: TEN YEAR PRIORITY LIST (GREENWAY TRAILS)

These six greenway trail projects represent anticipated greenway trail construction over the five to ten year horizon as determined by the Parks, Recreation, and Cultural Resources Department. Most of these projects are funded and programmed. Others represent short range priorities.



		Project Name	From	To	Mileage
Greenway Trails	G1	Crabtree Creek Trail: West Extension	William B. Umstead State Park	Existing Crabtree Creek Greenway Trail	1.4
	G2	Crabtree Creek Trail: Lassiter Mill Gap	East of Lassiter Mill Rd	Hertford St	0.1
	G3	Rosengarten Trail	Rocky Branch Trail	Cabarrus St	0.3
	G4	Walnut Creek Trail	Trailwood Dr	Existing Trail near Avent Ferry Rd	0.2
	G5	Trenton Rd	Reedy Creek Trail	SAS Campus Dr	1
				Total	3

Project list above is in no particular priority order.

Map 4.2: Ten Year Priority Plan:
Bicycle Lanes + Greenway Trails



LEGEND

-  BICYCLE LANE
-  GREENWAY TRAIL

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.

