
Monday, October 17, 2016, 6:00pm
Council Chambers, Raleigh Municipal Building
222 W. Hargett Street, Raleigh NC 27602

AGENDA

I. Introductions

II. Approval of Minutes from September 19, 2016

III. Public Comments

This is an opportunity for public comment on items or issues that are otherwise not on the agenda. Please limit comments to three minutes per speaker.

IV. Staff Reports

- **City Project Updates**
 - Bike Rack Project

- **City Council Updates**

V. Committee & Member Reports

- **Chair's Report**
- **Bicycle Planning Committee**
 - Bike Parking Incentive Program
- **Community Outreach**
 - Walk to School Day Event Feedback
- **Pedestrian Planning Committee**
 - Walktober Event Feedback

VI. Old Business

- **None**

VII. New Business

- **Capital Improvement Program Review – Eric Lamb, PE**

Overview: The City's Capital Improvement Program (CIP) is a five-year spending roadmap for public investments for streets, bicycles, sidewalks, parking, transit, and other transportation programs. This presentation will provide an overview of the City's CIP, how projects are selected, and how public improvements are funded.

- **Bikeshare Program Update – Eric Lamb, PE**

Overview: The City is in the process of developing a Bikeshare Program. The presentation will provide an overview of the submittals received by the City in response to a Request for Interest that was recently released.

VIII. Board Comments

IX. Announcements

- **Upcoming Events**
- **Confirmation of Next BPAC meeting – Monday, November 21, 2016**

X. Adjournment



DRAFT Meeting Minutes – September 19, 2016

The City of Raleigh Bicycle & Pedestrian Advisory Committee met on Monday, September 19th, 2016 at 6:00 p.m. at the Raleigh Municipal Building, 222 W. Hargett St, Raleigh, NC with the following members present:

Commission Members:

Amy Simes, Chair
Paul Nevill, Vice Chair
Evan Brigham
Nate Humphrey
Dan Howe
Mary Sell
Rebecca Proudfoot
Harry Johnson
Susan Hatchell
Aaron Peeler

Staff:

Eric Lamb, Transportation Planning Manager
Jason Myers, AICP, Transportation Planner
Deja Smith, Bicycle and Pedestrian Outreach Coordinator

I. Introduction

Ms. Simes called the meeting to order at 6:02pm and asked everyone to introduce themselves.

II. Approval of Minutes

Mr. Howe moved for approval of the July 18th minutes which was properly seconded by Mr. Nevill and approved by unanimous voice vote.

III. Public Comments

Ms. Jennifer Delcourt from Active Routes to School invited BPAC to attend the Walk to School Day event at Conn Elementary School.

Mr. Adam Haller gave a presentation on his experience using Chicago's Bike Share program.

IV. Staff Reports

City Project Updates: Mr. Lamb stated that there were no specific project updates.

City Council Updates: no report.

V. Committee & Chair Reports

Chair Report: Mr. Brigham discussed the NC Bike Summit in Asheville.

Joint Community Outreach and Pedestrian Planning Committee: Mr. Nevill stated the committees discussed and finalized Walktober events for October 9th-South Park History Tour, October 16th-Sustainability Tour, and October 23rd-Raleigh Makers Tour.

Bicycle Planning Committee: Mr. Johnson discussed bike parking incentive programs and future bike share opportunities.

VI. Old Business

Mr. Lamb gave an update on bike share. He indicated that the City had received five responses to its Request For Interest and that staff would be reviewing these responses to craft a Request for Proposals to solicit a vendor for the system..

VII. New Business

Nashville Peer + Aspiration City Report: Ms. Jennifer Baldwin from Alta Planning + Design presented information to the Commission regarding the peer city reports concerning bicycle and pedestrian improvements in Nashville, Tennessee. Raleigh, Indianapolis, Louisville and Memphis are considered peer cities, while Austin, Denver, Minneapolis and Seattle are considered aspirational cities.

Mr. Brigham inquired about what stood out about Raleigh. Ms. Baldwin responded that every other city had separated bike ways. Mr. Johnson and Mr. Nevill asked about the other cities count programs. Ms. Baldwin responded that most of the other cities include count programs. Ms. Baldwin also gave an overview of staffing levels associated with each program.

Blue Ridge Road Bike/Ped Improvement Project: Mr. Mike Surasky from A. Morton Thomas & Associates gave an overview of the proposed bicycle and pedestrian improvements along Blue Ridge Road. Mr. Nevill inquired about event traffic and project branding of the area. Mr. Howe asked about the possibility for developing state properties. Mr. Surasky explained that they are thinking of the future conditions of the area. Mr. Johnson asked about exploration of working with property owners. Mr. Lamb explained that eliminating the barrier effect of the Wade Avenue bridge for bicycles and pedestrians was the primary goal of the project.

VIII. Board Comments

Ms. Simes yielded the chair to Mr. Lamb for the purpose of electing new officers. Mr. Lamb opened the floor for chair nominations and Mr. Peeler was nominated by Mr. Howe. Seeing no other nominations, Mr. Lamb closed the floor and Mr. Peeler was elected chair by a unanimous voice vote.

Mr. Lamb opened the floor for nominations for vice chair. Mr. Johnson nominated Ms. Sell, and Mr. Nevill was nominated by Mr. Howe. After conducting a paper ballot vote, Mr. Lamb announced that Mr. Nevill was reelected Vice-Chair by a 7-3 vote.

IX. Board Comments

Ms. Proudfoot mentioned concerns over the interim period between Bicycle and Pedestrian coordinators and requested an update on the hiring process. Mr. Lamb explained that several positions in the new Transportation Department had been frozen, however this one has been posted and that he expects to have the position filled by November.

Ms. Howe inquired about safety for pedestrians in crosswalks and future programs for Pedestrian Planning to support. Mr. Johnson asked about recent enforcement efforts at crosswalks, and Mr. Lamb explained that this was part of a research project undertaken by ITRE.

Ms. Simes asked about a potential campaign to identify burned out pedestrian walk signs.

X. Announcements

Mr. Nevill mentioned the CARS ride is Sunday, 25 September at 7:30 am.

Mr. Brigham mentioned the WKNC Ride on Saturday, 24 September and Tour de Brew on Saturday, 8 October.

Mr. Humphrey, Ms. Sell and Ms. Hatchell highlighted their respective Walktober events.

With no further business, the meeting adjourned at 7:31 pm.

Respectfully submitted,
Deja Smith

BPAC Committee Assignments October 6, 2016

Bicycle Planning Committee:

- *Harry Johnson – Chair*
- Dan Howe
- Nate Humphries

Pedestrian Planning Committee:

- *Susan Hatchell – Chair*
- Mary Sell
- Amy Simes

Community Outreach Committee:

- *Paul Nevill – Chair*
- Evan Brigham
- Rebecca Proudfoot

BPAC Liaisons:

Parks, Recreation, and Cultural Resources Greenway Advisory Board Liaison:

- Amy Simes

City Council Liaison:

- Councilman Russ Stephenson

Transportation Project Updates

Major Street Improvements		
Construction		
Buck Jones Rd Widening	Widen street to 3 lanes with curb & gutter, sidewalks, striped bike lanes, and median refuges from Farmgate Rd to Xebec Way	Under construction
Hillsborough St Phase II	Streetscape to 2-lane, median-divided, bike lanes, and roundabouts from Gardner St to the Rosemary/Shepherd Sts.	Under construction
Mitchell Mill Rd Widening	Widen street to 4 lanes with curb & gutter, sidewalks, striped bike lanes, and median refuges from US 401 to Watkins Rd	Under construction
Sandy Forks Rd Widening	Widen to 3-Lane with curb, gutter and sidewalks from Six Forks Rd to Falls of Neuse Rd	Under construction, complete by Summer 2017
South/Lenoir Two-Way Conversion	Convert remaining one-way portions of Lenoir St and South St to two-way operation from S. Saunders St to East St	Starting construction mid-March; late Fall 2016 completion
Design		
Fox Rd Widening	Widen to 2-lanes w/ center turn lane, bicycle lanes, curb and gutter, sidewalk on both sides from Spring Forest Rd to Sumner Blvd	Design underway; construction 2017
New Bern Ave Improvements	Install sidewalks/multi-use paths and transit enhancements from Tarboro Rd to Sunnybrook Rd	Design underway; construction 2017
New Hope Church Rd Widening	Widen to 2-lanes w/ center turn lane, bicycle lanes, curb and gutter, sidewalk on both sides from Green Rd to Deana Lane	Design underway; construction 2017
Oberlin Rd Streetscape	Enhanced pedestrian and bicycle facilities, lighting and landscape features from Clark Ave to Bedford Rd.	Consultant selection underway; construction 2017
Old Wake Forest Rd Widening North	Widen to a 4-lane median-divided section with curb and gutter, sidewalks, bicycle lanes, and streetlights from Litchford Rd to Capital Blvd	Consultant selection underway
Peace St West Streetscape	Roadway improvements, sidewalk repairs/replacement; street trees, utility cleanup	Construction delayed due to right-of-way issues
Pleasant Valley Rd Widening	Widen to 2-lanes w/ center turn lane, bicycle lanes, curb and gutter, sidewalk on both sides from Duraleigh Rd to Glenwood Ave	Design underway; construction 2017
Pullen Rd Extension	Extend 2-lanes w/ bicycle lanes, curb and gutter, sidewalk on both sides from Western Blvd. to Centennial Pkwy.	Design underway; construction 2017
Rock Quarry Rd Widening (Part A)	Widen to a 4-lane median-divided section with curb and gutter, sidewalks, bicycle lanes, and streetlights from Olde Birch Rd to Sunnybrook Rd	RFQ on hold pending discussions with NCDOT related to bridge replacement with I-40 widening project
Tryon Rd Widening (Part C)	Widen to a 4-lane median-divided section with curb and gutter, sidewalks, bicycle lanes, and streetlights from Lake Wheeler Rd to Par Dr	Consultant selection underway
Yonkers Rd Improvements	Widen to 2-lanes w/ bicycle lanes, curb and gutter, sidewalk on one side from Capital Blvd to New Bern Ave	Design underway; construction 2018

Transportation Project Updates

Studies		
Lumley/Westgate Rds. Corridor Improvements	Install sidepath (Lumley Rd); widen shoulders for bike lanes (Westgate Rd); and install bike lanes/multi-use path (Ebenezer Ch Rd) from Brier Creek Pkwy to Umstead entrance	Study approved by City Council June 2016
Six Forks Corridor Study	Long range multimodal transportation study and streetscape plan from Ramblewood Dr to Sandy Forks Rd	City Council directed new scope for project; consultant negotiation underway
West St Extension Study	Extend West St from Martin St to Cabarrus St under NCRR	NEPA study nearing completion
Transportation/Area Plans		
Avent Ferry Corridor Study	Long range area study from Western Blvd. to Gorman	Kickoff meeting held Sat. April 16
Cameron Village/Hillsborough St Small Area Plans	Land use and transportation in the study between Wade Ave and Hillsborough St, and between Chamberlain St and St Mary's St	Final draft plan released for review
Raleigh-Cary Rail Crossing Study	Examine future street network in east Cary and west Raleigh with respect to a future sealed rail corridor scenario. Joint project with CAMPO, Town of Cary, TTA,	Draft report/recommendations online; City Council presentation for approval/endorsement in April
Southern Gateway Corridor Study	Long range area study from South St to just south of Tryon Rd (formerly S. Saunders/Wilmington St Corridor Study)	Draft plan nearing completion, expected release in Spring 2016
Major Traffic Calming Projects (Neighborhood Streetscapes)		
Construction		
Glascock St	Add median islands, curb extensions, and new sidewalk on north side west of State St from Norris St to Raleigh Blvd	Under construction; Fall 2016 completion
Design		
Cross Link Rd South	Dandridge Rd to Garner Rd	Plan adopted by Council
Currituck Drive	Lassiter Mill Rd to Tyrrell Rd	Plan adopted by Council
Milburnie Rd	Add curb extensions, medians, and bike infrastructure from Raleigh Boulevard to Chatham Lane	Design near completion
Town & Country Rd	Millbrook Rd to Lead Mine Rd	Plan adopted by Council

Transportation Project Updates

Greenway Improvement Projects		
Design		
Crabtree Creek Trail W Extension	Lindsey Dr to Umstead Park - 4 miles	Under design; approved for additional \$1.5M funding from CAMPO LAPP Program FFY17
Rosengarten Trail	Cabarrus St to S. Saunders/Lake Wheeler at Rocky Branch Trail - 0.5 miles	Under design
Walnut Creek trail - Trailwood Segment	Trailwood Dr. bridge replacement/pedestrian bridge	Starting construction soon; completion early 2017
	Trailwood Dr. to Lake Raleigh trail on Centennial Campus	Design starting soon; approved for funding from CAMPO LAPP Program FFY17
Bicycle Projects		
Construction		
City Resurfacing Program	Resurface City-maintained streets and restripe per the Bike Plan	List reviewed and changes recommended where appropriate
NCDOT Resurfacing Program	Resurface State-maintained streets and restripe per the Bike Plan	
Bike Rack Installations	Install bike corralls, racks, and artistic bike racks	Under construction
Design		
Blue Ridge Rd Ped/Bike	Construct sidewalks and bike facilities from Trinity Rd. to north of Reedy Creek Rd., including ped/bike accommodations over Wade Avenue	Scope/fee negotiations; design will begin late spring
Gorman St Cycle Track	Construct a two-way cycle track on Gorman St between Sullivan Dr and Hillsborough St	Design underway; construction Spring 2017
Leesville Rd SRTS	Construct sidewalks & ped intersection improvements, stripe bike facilities on Country Trl, Oneal Rd, & Pride Way	Design underway; construction Fall 2016
Wake Forest/Blount/Person Corridor Restriping	Restripe Wake Forest Rd from Brookside to Person as 3-lane with bike lanes; restripe Person & Blount Sts as 2-lanes with bike lane (one-way)	Design underway; construction Spring 2017

Transportation Project Updates

Pedestrian Projects		
Construction		
I-40 Ped Retrofits, Part A	Construct sidewalks on Avent Ferry, Rock Quarry, and Buck Jones Rds bridges over I-40	Under construction
Six Forks Rd	Construct sidewalks from Coleridge Dr to Wake Forest Rd (CMAQ Grant Project)	Under construction
Capital Boulevard	Construct sidewalks and transit amenities from Spring Forest Rd to Old Wake Forest Rd on both sides	Under construction
Chapanoke Rd	Construct sidewalks, intersection improvements, and transit amenities from Illeagnes Rd to Wilmington Service Rd	Under construction
Clark Ave	Construct sidewalks from Woodburn to Bellwood on the north side	Under construction
New Hope Church Rd	Construct sidewalks from Atlantic Ave to Wake Forest Rd on both sides	Under construction
Microgaps	Construct missing sidewalk gaps < 400' identified and requested by citizens	
Design		
Bloodworth St	Construct sidewalks from Martin Luther King Jr. Blvd to Worth St on the east side	Advertised for bids 9/12/16
Blount/Hoke/Person Sts	Construct sidewalks from north of Branch St to Bragg St	
Green Rd	Construct sidewalks from New Hope Church Rd to Spring Forest Rd on both sides	
E Millbrook Rd	Construct sidewalks from Atlantic Ave. to Capital Blvd. on the north side	
Oakwood Ave	Construct sidewalks from Hill St to Raleigh Blvd on the north side	
Raleigh Boulevard	Construct sidewalks from Crabtree Creek Bridge to 350' north of Yonkers Rd on both sides	

Transportation Project Updates

Design (cont'd)		
Blue Ridge Rd	Construct sidewalk on the west side from Beryl Rd to Faber St	Design underway
Capital Boulevard	Construct sidewalks from I-40 Ramps to Brentwood Rd on both sides	On hold
Crabtree Boulevard	Construct sidewalks from Capital Blvd to Timber Dr on the south side	Design underway
I-40 Ped Retrofits, Part B	Construct sidewalks on Trailwood Dr. bridge over I-40	Design underway
Lake Wheeler Rd	Construct sidewalks from Maywood Ave to Centennial Pkwy; asphalt path on the west side	On hold
Maywood Ave	Construct sidewalks from S. Saunders St to Lake Wheeler Rd on both sides	On hold
W Millbrook Rd	Construct sidewalks from Lead Mine Rd to Bennettwood on the south side	Design underway
New Hope Rd	Construct sidewalks from Capital Blvd to Wallingford Dr on both sides	Design underway
Poole Rd	Construct sidewalks from Donald Ross Drive to Sunnybrook Rd on the north side	Design underway
Rock Quarry Rd	Construct sidewalks from MLK Blvd to Bart St on the east side; also includes Rock Quarry Rd/Blazing Star Way intersection improvements	Design underway
Spring Forest Rd	Construct sidewalks from McHines Place to Capital Blvd on both sides	Design underway
Wade Ave	Construct sidewalks from Hobson Court to Daniels St on both sides	On hold
Wake Forest Rd	Construct sidewalks from Creekside Drive to Georgetown Rd on the west side	On hold

Transportation



Funded Projects	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total
Major Street Projects	13,635,000	4,974,000	3,000,000	2,500,000	2,500,000	26,609,000
Street Improvement Program	12,798,000	9,090,000	9,370,000	9,704,000	9,945,000	50,907,000
Bicycle and Pedestrian Improvements	1,573,000	960,000	1,045,000	920,000	1,113,000	5,611,000
Studies and Planning Projects	575,000	125,000	125,000	200,000	200,000	1,225,000
Transit	1,908,000	1,525,000	1,480,000	1,525,000	1,430,000	7,868,000
Parking	1,170,000	1,170,000	1,290,000	1,290,000	1,290,000	6,210,000
Total Transportation	\$ 31,659,000	17,844,000	16,310,000	16,139,000	16,478,000	98,430,000

Revenue Sources	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total
2013 Bond Proceeds	13,632,000	1,474,000	-	-	-	15,106,000
Transfers from General Fund	10,572,000	10,650,000	10,970,000	11,299,000	11,638,000	55,129,000
Streets Facility Fees	3,500,000	3,500,000	3,000,000	2,500,000	2,500,000	15,000,000
Streets Facility Fees-Fund Balance	1,000,000	-	-	-	-	1,000,000
Assessments and Fees	825,000	850,000	850,000	850,000	850,000	4,225,000
Interest Income	200,000	200,000	200,000	200,000	200,000	1,000,000
Appropriated Fund Balance - Transportatio	760,000	-	-	-	-	760,000
Transfers from Parking Operating Fund	812,000	1,170,000	1,290,000	1,290,000	1,290,000	5,852,000
Appropriated Fund Balance - Parking	358,000	-	-	-	-	358,000
Total Revenues	\$ 31,659,000	\$ 17,844,000	\$ 16,310,000	\$ 16,139,000	\$ 16,478,000	\$ 98,430,000

Element Overview

The transportation capital program includes major street construction, street improvements, pedestrian and bicycle projects, downtown parking improvements, and transit projects. Total funding for the five-year program is \$98.4 million with \$31.7 million planned for FY2017. The CIP programs the final \$15.1 million from the 2013 Transportation Bond. All capital projects are consistent with the adopted goals of the 2030 Comprehensive Plan and incorporate "Complete Streets" principles, integrating bicycle, pedestrian and transit system elements into each project.

The CIP includes matching funds for a transit technology project awarded to the City through the Capital Area Metropolitan Planning Organization's (CAMPO) Locally Administered Project Program (LAPP). The program distributes federal transportation funding directly to local governments through a competitive process annually. Raleigh was able to successfully receive \$9.4 million in FY16 and \$4.6 million in FY17 for select roadway, transit, bicycle, and pedestrian projects by leveraging City project funds.

The CIP also invests \$7.9 million in the city's transit system, including facility maintenance and equipment replacement. The bicycle and pedestrian program includes \$5.6 million for sidewalk construction, maintenance, repair, streetlight installations, and bicycle facility improvements. Lastly, the CIP includes \$6.2 million for maintenance and improvements at downtown parking decks including funding in FY17 for upgraded parking equipment.

Recent Accomplishments

The City has completed several major transportation projects including:

- Leesville Road widening north of I-540;
- Kaplan Drive and Brookside Drive traffic calming projects;
- Bicycle pavement markings for 27 miles of new facilities across the City;
- Bicycle Plan Update; and
- Recertification as APBP Bike-Friendly City – Bronze Level.

Work Plan Highlights

- The CIP continues increased cash funding for street resurfacing supported by a 1¢ property tax increase approved in FY2015. The revenue is transferred to the CIP for additional resurfacing contracts and brings the total resurfacing budget in FY2017 to \$7.6 million and the five year total to \$39.5 million. The funding enables the City to resurface approximately 3% of its streets annually, compared to 1% prior to the dedicated funding source.
- Continued implementation of projects from the 2013 Transportation Bond with construction of Buck Jones Road, Mitchell Mill Road, Sandy Forks Road, and Hillsborough Street Phase II and construction funding for New Hope Church Road and Pleasant Valley Road.
- Continued design and future acquisition of right-of-way for Yonkers Road, New Bern Avenue, Tryon Road Part C, and Old Wake Forest Road North Widening.
- Design work will begin on three widening projects in preparation for future transportation bonds: Blue Ridge Road (Duraleigh Road to Crabtree Valley Avenue), Poole Road (Maybrook Road to Barwell Road), and Six Forks Road (Rowan Street to Lynn Road).
- Work on streetscape improvement projects continues with design construction of three neighborhood projects on Currituck Drive, Crosslink Road, and Town & Country Road as well as planning and design work for Peace Street east of Capital Boulevard.
- Increased facility fee revenue generated by increased development activity will be used to supplement bond funding for major street projects.

Operating Impacts

- Staff continues to estimate the operating requirements and costs for Union Station. The facility will likely require additional positions and funds to maintain and operate efficiently. These costs will be added to a future operating budget.
- With approval of the City's bike share program approved in March, staff is currently working to facilitate the design and implementation of the system. As station locations and a vendor are selected, the City will begin to identify specific operating requirements, staffing, and budget. In FY17 a bike share coordinator position is funded beginning January 1st, 2017.

Horizon Items

- Despite new revenues allocated in FY15, additional funding may be needed for street resurfacing. Staff estimates that roughly \$12 million per year is needed to meet the city's resurfacing and road quality goals. These goals include resurfacing all city roads every 20 years, which requires the city to maintain a pace of roughly 5% of road miles resurfaced per year. The budget maintains \$7.2 million in funding.
- The city will need to continue to identify funding for local matches on upcoming North Carolina Department of Transportation projects including I-440 Beltline widening, bridge replacements, Martin Luther King Boulevard bike facilities, and the Western/Avent Ferry pedestrian underpass.

- The CIP funds the construction of two Major Streets projects. Construction or right-of-way acquisition for projects, as well as for programs such as neighborhood traffic management, streetscapes, sidewalk petitions, and sidewalk repairs, after Fiscal Year 2017 will depend on the identification of substantial funding through future transportation bonds or other sources.
- To continue the city's transit improvements, staff is analyzing the need for future transit facilities. All new options and plans are being considered in the context of the Wake County Transit Plan and are contingent on citizen approval of funding through the Transit Half-cent Sales Tax referendum.

Major Street Projects

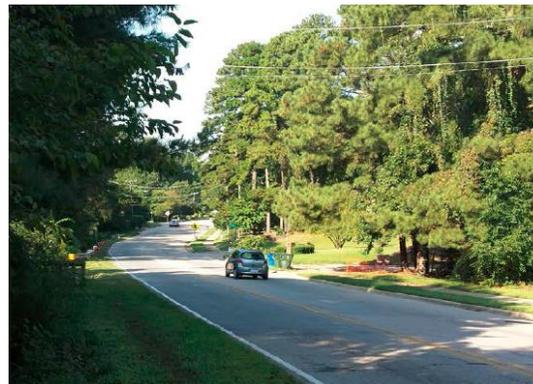
The Major Street Projects category funds road widening and other significant improvements in the City’s street network. The primary source of funds for these projects is bond funding, with a smaller percentage coming from transportation impact fees. Raleigh citizens approved bonds in 2013 to fund these projects.

Major Streets Projects	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
New Hope Church Road Improvements	1,450,000	1,811,000	-	-	-	3,261,000
Pleasant Valley Road Widening	1,130,000	1,663,000	-	-	-	2,793,000
Old Wake Forest Road North Widening	3,600,000	-	-	-	-	3,600,000
Tryon Road Part C	3,325,000	-	-	-	-	3,325,000
Rock Quarry Road Widening - Part A	-	1,500,000	-	-	-	1,500,000
Six Forks Road Corridor Improvements	1,850,000	-	-	-	-	1,850,000
Poole Road Widening	1,030,000	-	-	-	-	1,030,000
Blue Ridge Road Widening	1,250,000	-	-	-	-	1,250,000
Reserve for Future Projects	-	-	3,000,000	2,500,000	2,500,000	8,000,000
Subtotal	\$ 13,635,000	4,974,000	3,000,000	2,500,000	2,500,000	26,609,000

Highlighted Projects

New Hope Church Road Improvements: \$3,261,000
(Project Total - \$5,411,000)

This project will widen New Hope Church Road from Green Road to Deana Lane. The improved street will feature a three-lane curb and gutter section with bike lanes, sidewalks, landscaping, street trees, and streetlights. The project will require extension of a culvert just west of Deana Lane and provide a significant pedestrian connection from the neighborhood to nearby retail uses. Design began in 2015 and the budget funds the right-of-way acquisition mitigation and construction.



Pleasant Valley Road Widening: \$2,793,000
(Project Total - \$4,293,000)

This project will widen and rehabilitate Pleasant Valley Road between Duraleigh Road and Glenwood Avenue. The improved street will feature a three-lane curb and gutter section with bike lanes, sidewalks, landscaping, street trees, and streetlights. Project design began in 2015 and the budget funds the right-of-way acquisition, mitigation, and construction.



Old Wake Forest Road North Widening: \$3,600,000
(Project Total - \$4,800,000)

This project will widen Old Wake Forest Road to a four-lane median-divided section with curb and gutter, sidewalks, bicycle lanes, and streetlights from Litchford Road to Capital Boulevard (US 1). This project was partially funded for design and right-of-way as part of the 2013 Transportation Bond referendum and will require additional funding in FY18 to complete construction.



Rock Quarry Road Widening Part A: \$1,500,000
(Project Total - \$3,000,000)

This project will widen Rock Quarry Road from Olde Birch Road to Sunnybrook Road. The project will widen the segment to four lanes with a median, curb and gutter, sidewalks, bicycle lanes, and streetlights. This project will require the widening of the existing I-40 overpass and will eliminate a bottleneck within the Rock Quarry Road corridor. Current funding supports design and right-of-way efforts for the project, with construction funding required in later years.



Tryon Road Part C: \$3,325,000
(Project Total - \$4,525,000)

This project will widen Tryon Road between Lake Wheeler Road and Par Drive. The improved street will feature a four-lane curb and gutter section with a raised median, bike lanes, sidewalks, landscaping, street trees, and streetlights. This project will complete the entire corridor from US 1/64 in Cary to Garner Road. This project is funded for design and right-of-way with 2013 Transportation Bonds and will require additional construction funding in later years.



Six Forks Road Corridor Improvements: \$1,850,000

This project will improve Six Forks Road from Rowan Street to Lynn Road based on the recommendations of the Corridor Plan. As currently proposed, the project will widen the link to six lanes with sidewalks, separated bicycle lanes, low-impact development features, enhanced transit stops, and streetlights. Current funding only supports design for the project, with construction funding required in later years.



Poole Road Widening: \$1,030,000

This project will widen Poole Road to a four-lane median divided section with curb and gutter, bicycle lanes, and streetlights from Maybrook Road to Barwell Road. It would revise two traffic signals and construct a new sidewalk on both sides of the street. Current funding only supports design efforts for the project, with construction funding required in later years.



Blue Ridge Road Widening: \$1,250,000

This project will widen a segment from Duraleigh Road to Crabtree Valley Avenue to three lanes with curb and gutter, sidewalks, and bicycle lanes on both sides. A portion of the street must be realigned due to a sharp curves and topography. There are planned to be two revised and one new traffic signal. Current funding supports design and right-of-way efforts for the project, with construction funding required in later years.



Street Improvement Program

This category addresses ongoing maintenance and other improvements to city streets. The city's street network is maintained through ongoing street resurfacing, paving petitions, intersection improvements, and neighborhood traffic management projects. This category also includes streetscape improvements and matching funds for NCDOT projects affecting city streets.

Street Improvement Program	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Street Resurfacing	7,563,000	7,640,000	7,870,000	8,104,000	8,345,000	39,522,000
Street Improvements & Paving Petitions	2,400,000	500,000	500,000	500,000	500,000	4,400,000
Intersection Safety	-	450,000	450,000	450,000	450,000	1,800,000
Traffic Signal Installations	200,000	200,000	200,000	200,000	200,000	1,000,000
Bridge Repair & Maintenance	250,000	300,000	300,000	300,000	300,000	1,450,000
Right-of-Way/Easements	170,000	-	50,000	150,000	150,000	520,000
Neighborhood Traffic Management - Major	1,640,000	-	-	-	-	1,640,000
Neighborhood Traffic Management - Minor	175,000	-	-	-	-	175,000
Capital Streetscape Program	400,000	-	-	-	-	400,000
Subtotal	\$ 12,798,000	9,090,000	9,370,000	9,704,000	9,945,000	50,907,000

Highlighted Projects

Street Resurfacing: \$39,522,000

This project funds ongoing resurfacing and repair of the city's 2,500 lane miles. The city's goal is to maintain high quality roads that provide citizens smooth vehicle rides and have minimal cracking. Capital funds will pay for contracted crews to resurface and repair streets throughout the city. To prioritize streets, staff uses a scoring system that evaluates the asphalt's structural integrity, cracking, and ride quality.



Street Improvements Program: \$4,400,000

This program funds the city's resident-petitioned paving and street improvement program. These minor street improvements are for mostly residential or neighborhood streets not covered in the Thoroughfare Plan. Property owners are assessed fees for some portions of the project costs. FY17 funding will support projects on Lorimer Road, Fox Road, Pineview Drive, and Churchill Road.



Neighborhood Traffic Management Program: \$1,815,000

The City of Raleigh promotes safe and efficient public streets that contribute to a positive quality of life for residents. The city is also committed to mitigating impacts that may detract or adversely affect the places where we live. Positive street design and good traffic management within our neighborhoods are important elements of this goal. The program includes the Neighborhood Streetscape (major) and Traffic Calming (minor) programs.



Bicycle and Pedestrian Programs

These categories fund the maintenance and expansion of the city’s pedestrian and bicycle networks. Annual programs include sidewalk construction and repairs, installation of curb ramps and pedestrian signals, bicycle facilities and markings, and street light installations. In most years, this category programs matching funds for projects awarded to the City through the Capital Area MPO’s LAPP process.

Bicycle and Pedestrian Improvements	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total
Sidewalk Repairs	400,000	400,000	300,000	200,000	200,000	1,500,000
Thoroughfare Streetlight Installation	-	300,000	350,000	450,000	493,000	1,593,000
Pedestrian Intersection Safety Projects	-	-	150,000	-	150,000	300,000
ADA Curb Ramps	-	175,000	150,000	150,000	150,000	625,000
Blue Ridge Rd Bridge Improvements	500,000	-	-	-	-	500,000
Microgap Sidewalk	162,000	-	-	-	-	162,000
Bicycle Lane Marking and Signage	71,000	70,000	75,000	100,000	100,000	416,000
Bicycle Facilities/Parking and Stations	15,000	15,000	20,000	20,000	20,000	90,000
Bike Share	425,000	-	-	-	-	425,000
Subtotal	\$ 1,573,000	960,000	1,045,000	920,000	1,113,000	5,611,000

Highlighted Projects

Blue Ridge Road Sidewalks/Bridge: \$500,000

The project will fund the final designs to fill sidewalk gaps along Blue Ridge Road between Reedy Creek Road and Trinity Road. The planning phase is underway and will include the development of concepts to widen the existing bridge over Wade Avenue to improve pedestrian and bicycle connectivity along the corridor between the NCSU Biomedical Campus, State Fairgrounds, Arena complex, the NC Museum of Art, and Reedy Creek Greenway.



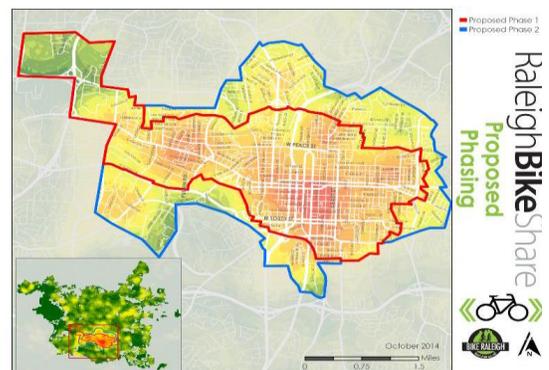
Microgap Sidewalks: \$153,000

The program is aimed at filling in identified sidewalk gaps of 400 feet or less on both major and neighborhood streets. The program currently has approximately 85 projects identified across the City.



Bike Share: \$425,000

This amount represents a 20% city match against a federal grant for the purchase and installation of 30 bike share stations across downtown, the N.C. State campus, and westward to the North Carolina Art Museum. The City is working to partner with other organizations on this project. This City contribution will be reduced should other entities contribute to the construction.



Transit

These categories fund the maintenance and expansion of the city’s pedestrian and bicycle networks. Annual programs include sidewalk construction and repairs, installation of curb ramps and pedestrian signals at intersections, bicycle facilities markings, and street light installations. In addition, this category programs matching funds for projects awarded to the city through the Capital Area MPO’s LAPP process.

Transit	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Bus & Van Replacements	148,000	-	-	-	-	148,000
Equipment & Facility Maintenance	100,000	125,000	200,000	200,000	200,000	825,000
Corridor Improvements (Shelters/Benches)	50,000	167,000	250,000	250,000	200,000	917,000
Preventative Maintenance (Fixed Route)	820,000	825,000	850,000	895,000	850,000	4,240,000
Preventative Maintenance (Paratransit)	180,000	180,000	180,000	180,000	180,000	900,000
Wilmington Street ADA Facility	340,000	-	-	-	-	340,000
AVL/CAD/Wireless on Buses	270,000	-	-	-	-	270,000
Poole Road Park & Ride Facility	-	228,000	-	-	-	228,000
Subtotal	\$ 1,908,000	1,525,000	1,480,000	1,525,000	1,430,000	7,868,000

Highlighted Projects

Wilmington Street ADA Facility: \$340,000

This project will renovate the existing Transportation Operations facility on Wilmington Street in order to convert it to an administrative facility for the City’s ADA paratransit program (Accessible Raleigh Transportation). The center will house GoRaleigh’s paratransit call center, administrative offices, an ADA assessment center, and a transit ID service center. The rear of the facility will also serve as a storage and maintenance facility serving all on-street amenities for GoRaleigh.



AVL/CAD/Wireless on Buses: \$270,000

This project represents the City’s match for CAMPO LAPP funding to upgrade on-vehicle systems in order to greatly improve the operation of the GoRaleigh system. New technologies will integrate with and upgrade the existing equipment, including the public announcement system, automated passenger counters, electronic signage, fareboxes, and camera system. The project will modernize transit controls to provide drivers with schedule information on display monitors and send detour information directly to buses impacted by unexpected incidents.



Other Transportation Categories

Parking	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total
Parking Deck Improvements	695,000	615,000	300,000	625,000	775,000	3,010,000
Parking Deck Assessment & Repairs	40,000	40,000	40,000	40,000	40,000	200,000
Parking Deck LED Lighting	270,000	350,000	785,000	460,000	310,000	2,175,000
Parking Deck Security	165,000	165,000	165,000	165,000	165,000	825,000
Subtotal	\$ 1,170,000	1,170,000	1,290,000	1,290,000	1,290,000	6,210,000

Parking Deck Improvements: \$3,010,000

This project includes repairs at the Municipal Deck, Moore Square Deck and Convention Center Deck. Repairs will include concrete floor repair, concrete ceiling repair, column and joint repairs, water proofing, and electrical repairs. Work on Cabarrus, Wilmington, City Center and Performing Arts Decks began in FY16.



