

A photograph of a marquee sign at night. The sign is illuminated and features the word 'CARY' in large, white, block letters. Below it, the message 'BE SAFE BE KIND BE CARY' is displayed in smaller, white, block letters. The sign is set against a dark background, likely the entrance of a building. A diagonal blue graphic element is overlaid on the right side of the image.

**CARY**

**BE SAFE  
BE KIND  
BE CARY**

**CARY**

**INTERMISSION**

# **FISCAL YEAR 2021**

**CAPITAL IMPROVEMENTS  
BUDGET AND PLAN**  
Town of Cary, North Carolina

TOWN of CARY

# FISCAL YEAR 2021

## CAPITAL IMPROVEMENTS BUDGET AND PLAN



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**BE SAFE BE KIND BE CARY**

# TOWN of CARY

## FY 2021 Capital Improvements Budget and Plan

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**BE SAFE BE KIND BE CARY**

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# TOWN OF CARY

## OFFICIALS AND OFFICERS

### Town Council

Harold Weinbrecht, Mayor  
Don Frantz, District B, Mayor Pro Tem  
Lori Bush, At Large  
Ya Liu, District D  
Jennifer Robinson, District A  
Jack Smith, District C  
Ed Yerha, At Large



### Town Manager

Sean R. Stegall

### Department Directors

Dan Ault, Assistant Town Manager/Chief Innovation Officer  
Scot Berry, Planning, Inspections & Development Services Director  
Ted Boyd, Economic Development Director  
Steve Brown, Capital Projects Director  
Allan Cain, Public Safety Director  
Michael Cooper, Fire Chief  
Toni Dezomits, Police Chief  
Lisa Glover, Deputy Town Attorney  
Ken Hawley, Director at Large  
Scott Hecht, Public Works Director  
Allison Hutchins, Director of Learning & Development  
Lana Hygh, Director of Special Projects  
Jerry Jensen, Transportation and Facilities Director  
Virginia Johnson, Town Clerk  
Doug McRaney, Parks, Recreation and Cultural Resources Director  
Karen Mills, Chief Financial Officer  
Susan Moran, Chief Strategy Officer  
Russ Overton, Deputy Town Manager/Chief Development Officer  
Renee Poole, Chief Human Resources Officer  
Nicole Raimundo, Chief Information Officer  
Jamie Revels, Utilities Director  
Christine Simpson, Town Attorney  
Danna Widmar, Director of Special Projects

### Financial Strategy Team

Katie Lumb, Financial Strategy Analyst  
Stacey Teachey, Financial Strategy Manager  
Alex Terry, Financial Strategy Analyst

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## VISION STATEMENT

Cary is a place where good neighbors form healthy neighborhoods in a green and vibrant community of friendly, caring people.

## MISSION STATEMENT

At the Town of Cary we focus every day on enriching the lives of our citizens by creating an exceptional environment and providing exemplary services that enable our community to thrive and prosper.

## STATEMENT OF VALUES

To achieve our mission we will uphold the following values:

1. Our organization exists to serve our **citizens**. We will be open, ensure access, encourage involvement and be accountable to our citizens.
2. **Employees** are our most important resource. We will attract and retain the best employees and invest in their personal and professional growth.
3. We will be **honest**, ethical and diligent. Our actions will comply with local, state and federal laws.
4. We will treat everyone with **dignity**, respect and fairness.
5. We will achieve the best results through effective **teamwork**, strategic partnerships, and community participation.
6. We will provide outstanding customer **service** that is polite, friendly, and responsive.
7. We value **creative** thinking and innovation. We will continue to be nationally recognized for excellence in local government.
8. We value **growth** that balances desired service levels, economic benefits, and continued stability for our community.
9. We are **cost-conscious**. We spend public funds responsibly and effectively to ensure the Town's short and long term financial strength.
10. We are committed to proactive, comprehensive **planning** to guide the future of our community.
11. We will preserve and protect our environment. We will be good **stewards** of our finite natural resources.

Adopted by Town Council August 22, 2006

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## IMAGINE CARY – THE CARY COMMUNITY PLAN

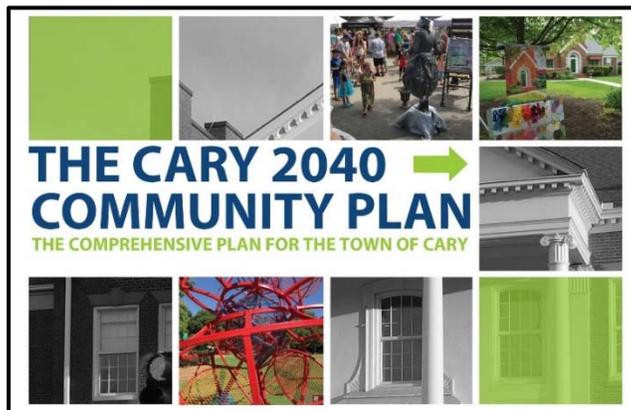
Cary completed our most ambitious long-range planning effort in our community's history by completely updating our Comprehensive Plan in 2017. The process, known as "Imagine Cary," was built on the values, needs and aspirations of our citizens and resulted in several years of work, unprecedented community input, and dozens of meetings and workshops. The process set out a long-term vision, policies, and strategic actions with a time horizon out to 2040 and resulted in the January 24, 2017 adoption of the Imagine Cary Community Plan. For more information, please visit <https://www.townofcary.org/projects-initiatives/cary-community-plan>.

The Imagine Cary Community Plan consolidates and replaces several individual plans that guided Cary's growth over the past 20 years, including the:

- Land Use Plan
- Open Space Plan
- Northwest Area Plan
- Southwest Area Plan
- Southeast Area Plan
- Town Center Area Plan
- Bicycle Plan
- Pedestrian Plan
- Chatham Joint Land Use Plan
- Historic Preservation Master Plan
- Parks, Recreation and Cultural Resources Master Plan
- Comprehensive Transportation Plan

The Imagine Cary Community Plan covers the entire planning area of Cary, an area of nearly 53,000 acres.

The plan is divided into ten chapters, including an introductory Foundations and a closing Appendix chapter. Each chapter presents background information on challenges and opportunities facing Cary, followed by policy and intent statements addressing them. Chapters end with a set of strategic initiatives and actions to carry out the policy direction. Chapter 9, Act, combines all implementation steps in one place to guide upcoming activities. The following describes the eight core chapters upon which all Town departments' strategic focus areas and initiatives are based. As such, the Cary Community Plan is the touchstone for future resource prioritization.



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## THE IMAGINE CARY COMMUNITY PLAN

### LIVE: Fostering Strong Neighborhoods



#### Cary Values:

##### Fostering Strong and Sustainable Neighborhoods

Cary will maintain existing strong residential areas as well as create new sustainable neighborhoods supported by mixed uses and activities. This includes additional residential choices for a variety of lifestyles, ages, cultures, and incomes organized in a walkable pattern.

#### Leveraging the Town's Regional Context

Cary will leverage the Town's location within the region and proximity to regional assets (RTP, RDU airport, higher education institutions, and nearby communities) yet continue to differentiate Cary as a unique place to live, work, play, and conduct business. Using effective collaborations with neighboring jurisdictions and institutions, as well as improved physical connections, will make Cary and the region stronger.

1. Maintain Neighborhood Character
2. Provide More Housing Choices for All Residents
3. Provide for More Housing Options in New Neighborhoods
4. Provide the Greatest Variety of Housing Options in Mixed Use Centers
5. Support Residential Development on Infill and Redevelopment Sites
6. Encourage and Support the Provision of Affordable Dwellings

### WORK: Assuring Continuing Prosperity

#### Cary Values:

##### Fostering a Prosperous Economy and Fiscal Health

Cary will foster a prosperous, diverse economy that motivates and supports entrepreneurs, improves underutilized retail and office development, supports existing businesses, attracts new business development, and utilizes public-private partnerships to sustain the Town's fiscal health.



1. Grow a Sustainable and Diversifying Workforce
2. Enhance Locational Appeal to Businesses and Workers
3. Retain and Grow Existing Cary Businesses
4. Diversify Cary's Economy
5. Attract New, High Value Businesses
6. Attract and Nurture Small Businesses
7. Ensure the Economic Growth and Vitality of Downtown
8. Support the Locational Needs of New and Expanding Firms
9. Promote High Quality Education
10. Reserve and Provide Employment Sites in Selected Commercial Mixed Use and Destination Centers
11. Reserve and Provide Employment Sites in Traditional Office Parks
12. Transform Selected Office Parks into Employment Mixed Use Campuses

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## THE IMAGINE CARY COMMUNITY PLAN

### SHOP: Creating Vibrant Destinations



#### Cary Values:

##### Managing Future Land Use

Cary will manage land to create a distinctive, attractive, physical environment for our growing and diverse community while maintaining our predominant suburban character. Development should focus on creating and maintaining high-quality commercial areas and strong residential neighborhoods complemented by walkable mixed-use activity nodes that serve all age groups.

##### Encouraging Redevelopment and Infill Efforts

Cary will focus redevelopment efforts on underperforming land and building assets and focus new infill development on vacant areas that are already served by existing infrastructure. Older declining commercial centers and commercial areas are key redevelopment priorities, and downtown represents a good opportunity to invest in a way that creates an active, walkable mixed-use environment which yields greater economic value and is a point of pride for Cary.

1. Facilitate Redevelopment of Underperforming Commercial Centers
2. Focus Commercial Uses within Commercial Mixed-Use Centers, Destination Centers, Downtown, and Commercial Centers
3. Support the Development of a Limited Number of Destination Centers and Commercial Mixed-Use Centers

### ENGAGE: Experiencing the Cary Community

#### Cary Values:

##### Creating a Vibrant Arts and Cultural Environment

Cary will create a vibrant cultural and arts environment through performances, exhibits, festivals, and places.

##### Preserving Historic Resources

Cary will preserve sites, structures and traditions that help convey the history of Cary as a source of community pride.

##### Providing Extensive and High-Quality Parks and Recreation

Cary will provide extensive and high-quality recreation services and facilities as a signature of the community, helping to make Cary a desirable place to live, supporting strong property values, and promoting healthy living. Opportunities for recreation include a well-connected greenway network, an expansive system of parks and natural areas of all sizes, and a diversity of recreational facilities and offerings for residents and visitors of all ages and abilities.

1. Parks, Recreation & Cultural Resources Master Plan
2. Public Art Master Plan
3. Historic Preservation Master Plan



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# THE IMAGINE CARY COMMUNITY PLAN

## SHAPE: Guiding Community Growth

### Cary Values:

#### Managing Future Land Use

Cary will manage land to create a distinctive, attractive, physical environment for our growing and diverse community while maintaining our predominant suburban character. Development should focus on creating and maintaining high-quality commercial areas and strong residential neighborhoods complemented by walkable mixed-use activity nodes that serve all age groups.

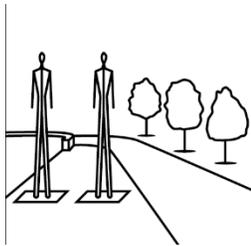


#### Encouraging Redevelopment and Infill Efforts

Cary will focus redevelopment efforts on underperforming land and building assets and focus new infill development on vacant areas that are already served by existing infrastructure. Older declining commercial centers and commercial areas are key redevelopment priorities, and downtown represents a good opportunity to invest in a way that creates an active, walkable mixed-use environment which yields greater economic value and is a point of pride for Cary.

1. Distribute Commercial Centers, Commercial Mixed-Use Centers, and Destination Centers Across Town
2. Focus the Most Intense Type of Development in Strategic Locations
3. Encourage Mixed Use Development
4. Support and Facilitate Redevelopment and Infill Development
5. Support the Revitalization of Targeted Redevelopment Corridors
6. Provide Appropriate Transitions between Land Uses
7. Provide Opportunities for a Limited Set of Non-Residential Uses Outside of Commercial Centers
8. Preserve and Maintain Cary's Attractive Appearance and Quality of Development

## MOVE: Providing Transportation Choices



### Cary Values:

#### An Efficient System for All Users

Cary will continue to provide an attractive network of streets and a wide range of functional and well-designed facilities for all mode choices – driving, walking, biking, and transit. This multimodal system will facilitate moving into, out of, and around the community with a design emphasis on people and the human experience.

1. Ensure Safety for All Users and Modes
2. Apply Multimodal Street Designs
3. Design Transportation Infrastructure to Address Land Use Context
4. Focus Investments on Improving Connections and Closing Gaps
5. Minimize Thoroughfare Widths
6. Improve Pedestrian and Bicycle Crossings
7. Target Transit Investments
8. Ensure a Well-Maintained System

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# THE IMAGINE CARY COMMUNITY PLAN

## SERVE: Meeting Community Needs

### Cary Values:

#### Respecting Nature and the Environment

Cary will preserve and protect our environment. This includes being good stewards of our finite natural resources. Paramount is the conservation of water resources and the protection of watersheds.



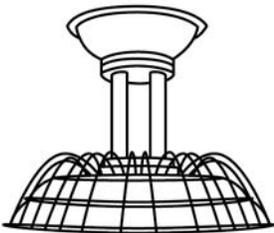
#### Providing Comprehensive and Top-Quality Facilities and Infrastructure

Cary will provide comprehensive facilities and utility services to residents, businesses and institutions. Public infrastructure is provided in conjunction with development, coordinated with private investments, and is well-maintained.

#### Providing High Quality Public Services

Cary will provide high quality public services and customer service that continue the Town's legacy of excellence, including being one of the safest mid-sized communities in the nation. The Town's quality services yield a clean and attractive community, a reputation for open communication and responsiveness, and a supportive environment for residents and businesses.

1. Provide Services and Facilities for Current and Future Generations That Balance High Quality and Affordability
2. Provide Safe, Reliable Water and Wastewater Service
3. Encourage Environmentally Responsible Stormwater Management
4. Ensure Long-Term, Cost-Effective, and Environmentally-Responsible Disposal of Waste
5. Protect and Restore Open Space and the Natural Environment
6. Improve Air Quality
7. Improve Energy Efficiencies and Sustainable Energy Practices
8. Integrate Concepts of Resiliency and Adaptation into Planning Practices
9. Preserve and Protect the Urban Tree Canopy
10. Support Local Food Systems
11. Support Expansive and Cutting-Edge Information Technology Infrastructure
12. Provide Exemplary and Timely Emergency Services



## ACT: Moving from Vision to Reality

1. Apply the Cary Community Plan Policies
2. Monitoring the Cary Community Plan Performance
3. Amending the Cary Community Plan

Project Category	Cary Community Plan Chapter	Project Name	Page #
Downtown	Shape	Downtown - Business Improvement District Development Fees	66
Downtown	Shape	Downtown Strategic Parking and Mobility Plan	67
Downtown	Shape	Rogers Alley Improvements	68
Fire	Serve	Fire Station Rehabilitation	70
Fire	Serve	Self Contained Breathing Apparatus (SCBA) Replacement	71
General	Serve, Live, Work, Engage	ADA Improvements - Town Facilities	73
General	Live	AH - Housing Capital Projects	74
General	Shape	Cary Indoor Sports Facility Potential Site Acquisition	75
General	Shape	Downtown Rehabilitation and Façade Improvement Program	76
General	Serve	Enterprise Resource Planning (ERP) Technology Platform Replacement - General	77
General	Serve, Live, Work, Engage	Facility Long-Term Operations & Maintenance Plan	78
General	Serve	Facility Painting Interior and Exterior	79
General	Serve	Facility Security	81
General	Serve	Heavy Duty Equipment Replacement - General	82
General	Engage	Historic Preservation of Character Structures	83
General	Serve	HVAC Replacements and Major Maintenance	84
General	Serve	Internal Roads Resurfacing	85
General	Serve	Internal Security	86
General	Serve	Parking Lot Resurfacing and Renovations	87
General	Serve	Police Evidence Room	89
General	Serve	Roof Assessment and Rehabilitation Program - General	90
General	Serve	Salesforce Phase II	91
General	Serve	Sanitation and Recycling Truck Replacement	92
General	Shape, Serve	Storm Drainage Project - Private Assistance	93
General	Shape, Serve	Storm Drainage Project - Town Properties	94
General	Shape, Serve	Stormwater Condition Assessment and Rehabilitation Program	95
General	Shape	Stormwater Open Space Planning	96
General	Serve	Stormwater Sensors	97
General	Serve	Town Hall Access Improvements and Office Space Modifications	98
General	Serve	Town Facility Wi-Fi	99
General	Shape, Serve	Western Cary Community Facility	100
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Parks	Engage	Athletic Field Fencing Repair / Replacement	103
Parks	Engage	Black Creek Greenway - Phases I, II, and V	104
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Parks	Engage	Cary Tennis Park Repair & Maintenance - Court and Site	107
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Parks	Engage	Crabtree Creek Trail - Weston Parkway Crossing	109
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Parks	Engage	McCrimmon Neighborhood Park	115
Parks	Engage	Park and Greenway Renovations	116
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Parks	Engage	PRCR Audiovisual (AV) Equipment Replacement	120
Parks	Engage	Public Art - Park and Greenway Amenities	122
Parks	Engage	Restroom Replacement	123
Parks	Engage	Skate Park Improvements	124
Parks	Engage	Tennis Court Renovations	125
Parks	Engage	The Cary Marquee Lighting Maintenance	126
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Parks	Engage	USA Baseball Maintenance & Repair - Structures	128
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Transportation	Move	Carpenter Fire Station Rd Widening - NC55 to East of Cameron Pond	134
Transportation	Move	Complete 540 Enhancements (NCDOT Reimbursements)	135
Transportation	Shape	Downtown Parking Development	136
Transportation	Move	GoCary Bus Stop Improvements	137
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Transportation	Move	GoCary Regional Operations and Maintenance Facility	139

Project Category	Cary Community Plan Chapter	Project Name	Page #
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Transportation	Move	Street Storm Drainage System Rehabilitation	149
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Transportation	Move	Traffic Signalization Projects	151
Sewer	Serve	Basin S1, S2, S3 / Walnut Creek Improvements	154
Sewer	Serve	Cleaning and Video Survey of Sewer Interceptors	155
Sewer	Serve	Enterprise Resource Planning (ERP) Technology Platform Replacement - Sewer	156
Sewer	Serve	Extend Reclaimed Water Mains	157
Sewer	Serve	Force Main - Condition Assessment & Maintenance	158
Sewer	Serve	Force Main - Easement Clearing Project - Survey and Clear	159
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Sewer	Serve	SCWRF - Ultraviolet (UV) Redundancy Engineering Study	168
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Sewer	Serve	Wastewater System - Department of Transportation (DOT) Relocates	170
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Sewer	Serve	WWRWRF - Rebuild / Replace Mixers	172
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## BUDGET DEVELOPMENT PROCESSES

### CAPITAL BUDGET

#### Our Process in the Midst of COVID-19

Cary employs a “rolling budget” process, which provides for mid-year adjustments to revenues, expenditures and service levels at quarterly intervals throughout the current fiscal year. Planning and development of the following year’s budget also occurs year-round with finalization of the recommended operating and capital budgets taking place between January and May. The recommended budget is presented to Council for consideration in May with adoption occurring at the last Council meeting in June. The new budget takes effect, in accordance with state law, on July 1.

Typically, this process is highly collaborative with department directors working together to analyze requests, consider priorities and craft a unified budget recommendation to the Town Manager. The Town Manager reviews the materials and incorporates adjustments to form the Manager’s Recommended Budget which is ultimately submitted to Town Council for consideration.

The evolving financial and service provision environment resulting from the pandemic led us to bring the core work of recommended operating and capital budget development back to our Financial Strategy team, Chief Financial Officer and Town Manager. This was a difficult decision to make as we have worked hard over the last three years to create a collaborative budget development process involving all department directors and key staff. Our intent is to return to our collaborative process described below for FY 2022 budget development. In the meantime, we will continue to utilize our quarterly meetings to make financial adjustments as we manage through the COVID-19 pandemic.

#### Developing the Capital Budget and Plan

Each year, staff prepares a capital budget and 20-year plan for Town Council’s consideration. The Capital Improvements Budget (CIB) and twenty-year Capital Improvements Plan (CIP) are recommendations to help meet Council policy directives in the areas of service delivery; infrastructure maintenance and development; financial conditions; and projects needed to further enhance the quality of life in Cary. The guiding policy document driving the development of the CIB/P is the Imagine Cary Community Plan, which was adopted on January 24, 2017. This plan sets out a long-term vision, policies, and strategic actions with a time horizon out to 2040. For more information about the Imagine Cary Community Plan, please visit [www.townofcary.org/projects-initiatives/cary-community-plan](http://www.townofcary.org/projects-initiatives/cary-community-plan).

The CIB presents Council-adopted revenue and expenditure amounts for FY 2021, while the Plan identifies future year funding needs for FYs 2022 – 2041. Staff matches or “programs” estimated dollars to specific projects for the four years following the budget year (FYs 2022 – 2025); however, these figures are strictly for planning purposes as only the budget year is officially adopted annually. The remaining 16 years of the CIB/P (FYs 2026 – 2041) indicate future infrastructure needs that do not have estimated funding sources identified.

Departments and divisions submit their capital budget and plan requests to the Financial Strategy Office in November. Capital requests describe each infrastructure need and identify both the total and annual dollar amounts needed to fully fund each project. Operating costs are also estimated. As with the development of the operating budget, the vision, priorities and values of the Imagine Cary Community Plan influence the development of capital project requests.

While department and divisional staff finalize their capital budget and plan requests, the Financial Strategy team within the Finance department estimates revenue for the current and four programming

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fiscal years. The Financial Strategy team then matches funding to requests and submits a draft capital improvements budget and plan to the department directors for review.

In December and January, the department directors meet frequently to discuss and adjust the draft capital budget and plan. Decisions on whether and when to fund specific projects are made collaboratively with department directors focusing on how decisions benefit and impact the organization as a whole rather than a single department. This process ultimately yields the Department Director Recommended CIB/P which is submitted to the Town Manager for consideration.

### **The Town Manager's Recommended Capital Improvements Budget and Plan**

The Town Manager reviews the Department Director Recommended CIB/P in April and meets with the Financial Strategy Team periodically to receive additional background information and address any follow-up questions. Any modifications made by the Town Manager are incorporated at this point and the document becomes known as the Manager's Recommended Capital Improvements Budget and Plan. This document is officially presented to Town Council with the operating budget at the first Town Council meeting in May and is also available to the public for review alongside the operating budget.

### **The Adopted Budget**

The Town Manager and staff provide an overview of the CIB/P and focus Council discussions on significant infrastructure decisions during Council work sessions held in May and June. Council directives are confirmed during these meetings for incorporation into the budget.

### **Addressing Emerging Needs Throughout the Year**

Once a new fiscal year begins, Finance Department staff regularly monitor revenue and expenditure activity and report this information to Town Council at quarterly meetings. Council may approve revenue and expenditure budget adjustments based on the year's experience at these meetings as well. Any financial resources required to support emerging infrastructure or major equipment needs or opportunities are also presented to Town Council for consideration during quarterly meetings.

### **Public Input**

Citizens and businesses are encouraged throughout the fiscal year to share their budget priorities with Town Council and staff. Cary offers an array of public input communication options including email, voicemail, Twitter, Facebook and the opportunity to appear in person at a Public Speaks Out session at any Town Council meeting, or at budget-specific public hearings held in May and June.

## FISCAL YEAR 2021 SUMMARY BUDGET SCHEDULE

Milestone	Date
Town Council Quarterly Meeting	November 7, 2019
Capital Budget Requests Due	November 22, 2019
Operating Budget Requests Due	February 28, 2020
Capital Budget/Plan Collaborative Work – Department Directors	<del>March 12 – April 10, 2020</del> Meetings Cancelled Due to COVID-19. Financial Strategy Team, Chief Financial Officer and Town Manager Collaborate on Budget Development.
Operating Budget Collaborative Work – Department Directors	<del>April 13 – April 25, 2020</del> Meetings Cancelled Due to COVID-19. Financial Strategy Team, Chief Financial Officer and Town Manager Collaborate on Budget Development.
Department Director Recommended Operating and Capital Budgets to Town Manager	<del>April 13, 2020</del> Action Did Not Occur Due to COVID-19.
Official Presentation of Town Manager’s Recommended Budget to Town Council at Quarterly Meeting	May 21, 2020
Town Council Quarterly Meeting and First Budget Worksession	May 21, 2020
Second Town Council Budget Worksession	June 8, 2020
Statutorily Required Budget Public Hearing	June 11, 2020
Additional Budget Public Input Opportunity	June 25, 2020
Council Budget Adoption	June 25, 2020

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# CAPITAL IMPROVEMENTS BUDGET OVERVIEW

## Capital Budgeting Practices

The Capital Improvements Budget (CIB) identifies revenue sources and project funding needs. Projects included in the CIB/CIP are typically tangible or intellectual property assets with a value of more than \$25,000 and a useful life of over three years. Exceptions have been made to this rule on occasion for practical reasons.

The CIB contains revenue and expenditure budget amounts for each FY 2021 approved capital project, and while the CIP identifies future year projects for fiscal years 2022 through 2041, figures noted for fiscal years 2022 through 2041 are for planning purposes only and are not appropriations for those years. All amounts beyond FY 2021 are staff's best estimate of future project needs and costs. Projects will be adjusted, and in some cases deleted, as situations and needs change throughout the course of the twenty-year planning period.

Capital projects are grouped under the following categories:

### Utility Capital

Sewer  
Water

### General Capital

Downtown  
Fire  
General Government  
Parks, Recreation & Cultural Resources (PRCR)  
Transportation

Fiscal Year 2021 marks the second year that Cary has produced a rolling 20-year capital improvements planning document. A 20-year planning tool of this magnitude has two significant benefits. First, it assists Cary in identifying potential projects necessary to meet the long-term goals of the community. Second, it gives Town Council and staff a view of future infrastructure needs and assists them in understanding the level of funding necessary to fulfill those needs.

The Fiscal Year 2021 budget process is the sixth in which Cary has limited planned appropriations in the four years following the budget year to the amount of funding projected to be annually available. Projects identified for FYs 2026 – 2041 are more likely to change in scope and timing. Staff annually evaluates each project and adjusts the CIB/CIP to reflect current expectations for the future.

Projects in the FY 2021 CIB year are adopted into the applicable project ordinance. This distinction means that any project-related contract entered into by Cary is regarded as a continuing contract for which funds are considered obligated throughout the term of the project.

The capital budgeting process is initiated prior to the annual operating budget so that maintenance and staffing impacts associated with requested projects may be considered during operating budget development. The capital improvements budget process also includes itemizations of staffing, operating, maintenance and start-up costs for all projects within the CIP. This data informs staff and Council of recurring cost impacts and estimated total resource needs throughout the multi-year forecast.

## Capital Funding Principles

Cary's FYs 2021 – 2041 capital improvements budget and plan focuses on core infrastructure maintenance, necessary infrastructure improvements, and prior commitments and mandates. Projects were chosen based not only for their alignment with the Cary Community Plan but also their

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ability to yield a capital improvements budget/plan that adheres to the following four funding principles:

***Funding Principle: Utilize as little debt as possible to minimize additional debt service obligations***

Financial goals established by Town Council in March 2008 guide staff in the management of areas such as operating fund balances and debt service. These goals establish expectations regarding minimum levels (floors) for operating fund balance and maximum levels (ceilings) for debt service. The approved debt service target directs that general (non-utility) debt service, or the repayment of borrowed funding, should not exceed an amount equal to 15% of total approved general operating expenditures and debt service for a given budget year.

Typically, Cary utilizes a combination of general obligation bond debt, installment purchase debt, and revenue bond debt to fund major infrastructure needs.

Revenue bond debt is often utilized to support water and sewer projects. Revenue bond debt is secured by Cary's utility revenues, which are dedicated, non-tax revenue sources. Utility rate increases may be used if necessary to generate the additional revenue needed to afford the incremental debt service associated with revenue bond issuance.

***Funding Principle: Maximize the use of existing capital reserve fund balances***

Fund balance represents monies that remain unspent after all budgeted expenditures have been made. Capital reserve fund balance accumulates in the general and utility capital reserve funds in two ways:

- through budget savings in completed projects
- through revenue collections that are either greater than estimated earnings or are intentionally not appropriated (utilized) within the fiscal year they are earned.

***Funding Principle: Minimize reliance on FY 2021 capital reserve revenues***

The general and utility capital reserve funds each have dedicated revenue sources. These revenue sources are categorized as either restricted or unrestricted. Restricted revenues can only be applied to specific types of projects. Examples of restricted revenues include developer fees, payments made by developers in lieu of infrastructure construction, interlocal funds, vehicle license fees and Powell Bill distributions from the state. Unrestricted revenues are not specific to a certain type or category of project. These revenues can be applied to any type of project within either the general capital or utility capital designation. Investment income and utility franchise fees are examples of unrestricted capital reserve revenue sources. Cary minimizes the use of current year capital reserve revenues to limit the risk of revenue shortfall from variable sources.

***Funding Principle: Limit transfers from the general and utility operating funds for capital purposes***

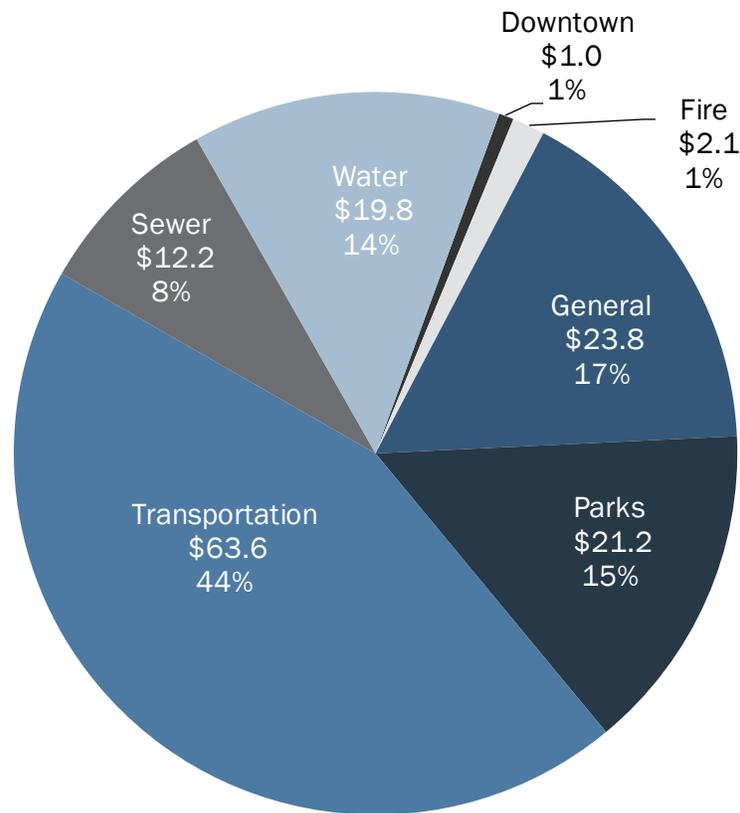
Transfers from Cary's operating funds (the general fund and the utility fund) are funding sources that can be directed toward one-time capital needs. Staff monitors the amount of available fund balance (or savings) within the operating funds throughout the course of each fiscal year. Project funding needs are evaluated during the budget process and operating fund transfers of this "one time" funding source are conservatively applied to support capital needs.

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## By the Numbers - The FY 2021 Capital Improvements Budget

The \$143,713,838 Fiscal Year 2021 capital improvements budget (CIB) represents a 91% increase over the FY 2020 adopted CIB. The primary reason for the FY 2021 increase is the inclusion of \$43.2 million of *Shaping Cary's Tomorrow* bond projects within the Transportation and Park, Recreation and Cultural Resources categories.

### TOTAL FY 2021 CAPITAL IMPROVEMENTS \$143,713,838



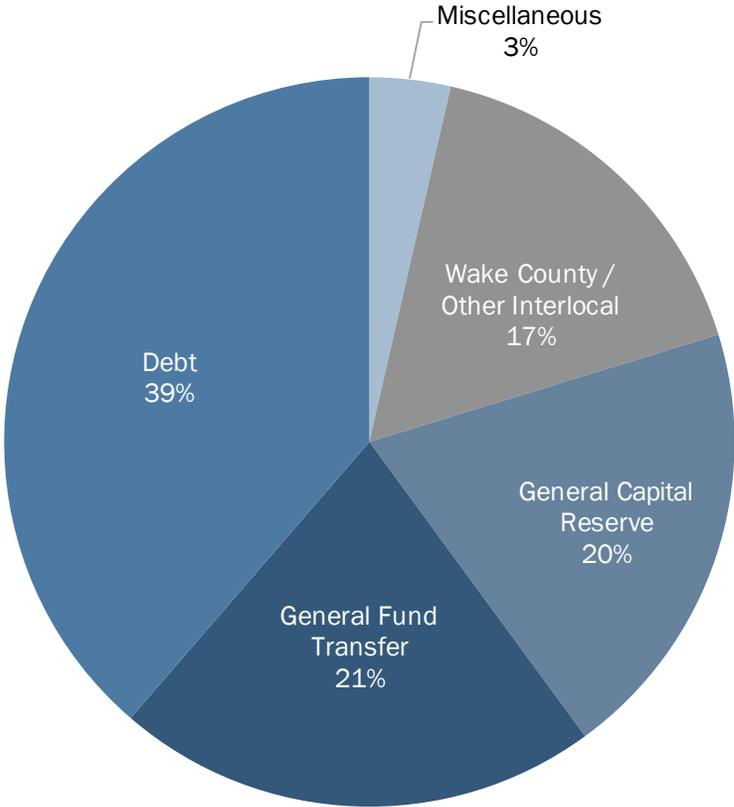
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*General Capital Project Funding*

FY 2021 general capital project appropriations total \$111,678,075. These appropriations are supported by a variety of funding sources, including:

- \$43.2 million of debt funds
- \$23.9 million of general fund transfer funding
- \$21.9 million of general capital reserve revenue and fund balance appropriations
- \$18.6 million of Wake County transit tax / other Interlocal funds
- \$4.0 million of miscellaneous funding

**FY 2021 GENERAL CAPITAL IMPROVEMENTS**  
**FUNDING SOURCES = \$111,678,075**



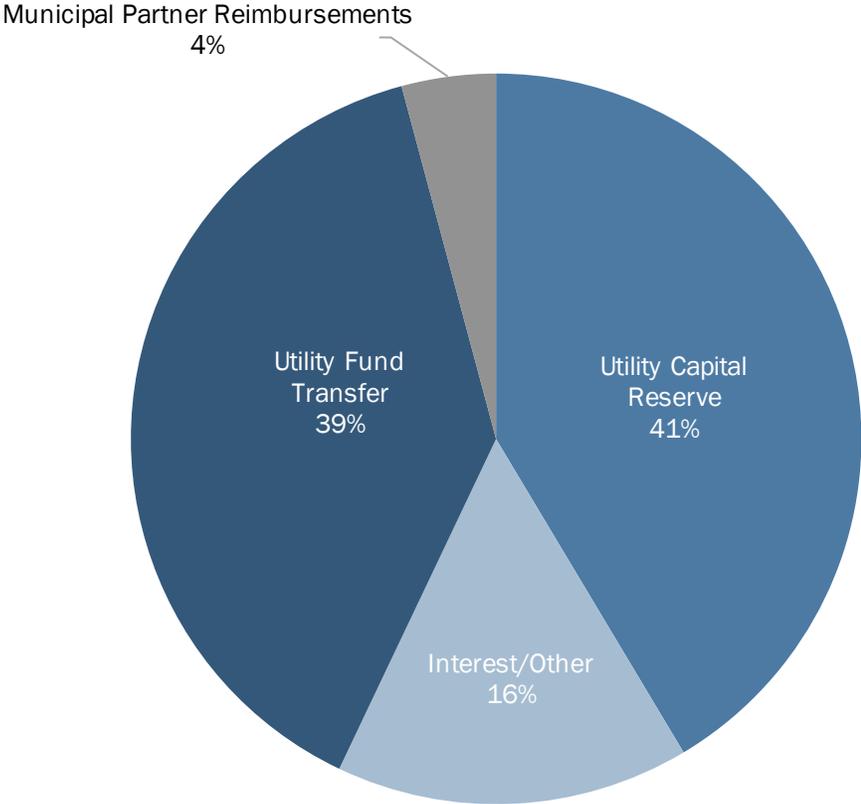
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*Utility Capital Project Funding*

Utility capital project appropriations total \$32,035,763 in FY 2021. These appropriations are supported by a variety of funding sources, including::

- \$13.3 million of utility capital reserve fund balance appropriations
- \$12.4 million of utility fund transfer funding
- \$5.0 million of interest earnings / other funding
- \$1.3 million of municipal partner reimbursements

**FY 2021 UTILITY CAPITAL IMPROVEMENTS**  
**FUNDING SOURCES = \$32,035,763**



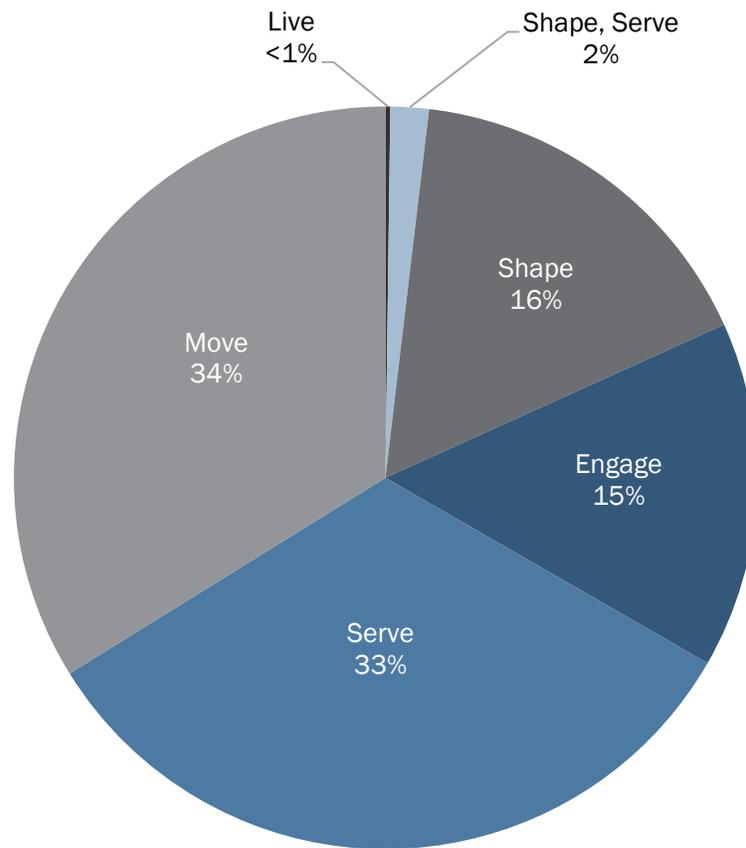
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## FY 2021 Capital Projects – Where Imagination and Infrastructure Planning Come Together

The \$143.7 million FY 2021 capital appropriation supports a wide variety of projects aligned with the opportunities, values and policy directions set forth by the Cary Community Plan. Having presented Cary’s funding principles, practices and available revenue sources guiding the development of the FY 2021 CIB, it’s important to remember that the projects funded in this budget aren’t simply infrastructure improvements. Rather, they are actions that directly support the vision set forth by our guiding policy document.

The following table presents the total FY 2021 capital budget by the thematic chapters of the Imagine Cary Community Plan. The following sections provide a closer look at a number of projects (or actions) funded in the budget year. For detailed information on every project funded in FY 2021, please see the CIB Projects section of this document.

### FY 2021 CAPITAL PROJECTS BY CHAPTER



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## SERVE

The *Serve* theme within the Imagine Cary Community Plan focuses on Cary's responsibility to plan and provide essential public services to residents and businesses. Water, sewer, police, fire, storm drainage, general Town facility maintenance and technology infrastructure projects are all examples of actions Cary takes to serve its community in the best manner possible. FY 2021 appropriations to the *Serve* theme total \$47,198,763 making up 32.8% of the year's total capital budget.

### *FY 2021 Serve Highlights*

- \$ 7,000,000 Sewer System Repair / Rehabilitation
- \$ 6,500,000 Enterprise Resource Planning (ERP) Technology Platform Replacement
- \$ 5,000,000 Upgrade Water Lines
- \$ 2,000,000 Self Contained Breathing Apparatus (SCBA) Replacement (Fire)
- \$ 2,000,000 Aquastar Water Meter & Radio Replacement
- \$ 1,000,000 ADA Improvements – Town Facilities

## MOVE

The Imagine Cary Community Plan's *Move* theme recognizes that Cary has a strong existing transportation network with well-designed streets, good sidewalk coverage, a variety of bicycle facilities and an efficient transit system. The goal of the *Move* segment of the plan is to ensure that continued investment in infrastructure and implementation of policies improves mobility for Cary residents, workers and visitors. Cary's transportation capital project category supports this goal. FY 2021 appropriations to the *Move* theme total \$48,630,075 making up 33.8% of the year's total capital budget.

### *FY 2021 Move Highlights*

- \$17,600,000 GoCary Regional Operations and Maintenance Facility
- \$ 7,100,000 Street Improvement Project
- \$ 6,100,000 Carpenter Fire Station Road Widening – NC55 to East of Cameron Pond
- \$ 6,000,000 Complete 540 Enhancements (NCDOT Reimbursements)
- \$ 3,200,000 Louis Stephens Drive / Carpenter Upchurch Road Sidewalk
- \$ 2,750,000 Schools – Street Improvement Reimbursements
- \$ 1,750,000 Sidewalk and Pedestrian Improvements
- \$ 1,000,000 Intersection Improvements

## ENGAGE

The *Engage* theme is built upon the Parks, Recreation and Cultural Resources Master Plan, the 2012 Public Art Master Plan and the Historic Preservation Master Plan, which present Cary's policies for each of these areas.

Recent surveys have shown that Cary residents place a high value on Cary's parks and recreation facilities and that making improvements and/or renovating existing facilities is a high priority. Due to the local trend showing an aging and culturally diversifying population, Cary will strive to enhance recreational opportunities through programming (such as fitness, heritage, environmental education and science, technology, engineering and math education, and therapeutic and specialized recreation for seniors) and the exploration of new facilities to meet the growing and changing recreational needs.

The Parks, Recreation and Cultural Resources (PRCR) project category, along with elements of the general government project category, support the Cary's *Engage* efforts. FY 2021 appropriations to the *Engage* theme total \$21,685,000 making up 15.1% of the total capital budget.

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### ***FY 2021 Engage Highlights***

- \$8,900,000 Carpenter Fire Station Neighborhood Park
- \$6,100,000 McCrimmon Neighborhood Park
- \$1,000,000 Black Creek Greenway – Phases I, II, and V

## **SHAPE**

Once a small crossroads town, Cary has grown to be a mid-sized community of national distinction. Since 1990, Cary's growth tripled from more than 43,000 in 1990 to more than 133,000 in 2010, making it the seventh most populated municipality in North Carolina. While the 5% yearly growth rate experienced over the last few decades is expected to decline, Cary is projected to continue to grow. By 2040, regional projections suggest that Cary will reach a population of 193,000. Cary has an opportunity today to define the way in which new housing, employment, shopping, and public services are provided to the new 50,000 residents that will likely call Cary home in the future.

Town-wide growth has propelled the Cary community forward and created high-value living and working options. All the while, the downtown area continues to maintain its historic character and central civic focus. Downtown has been one of the primary areas in Cary for focused investment. Recent efforts to bring greater vitality and activity to Cary's downtown have resulted in strategic public investments that have improved and modernized street infrastructure, revitalized historic buildings, and enhanced civic space for the Town's residents and visitors. Today, business representatives and community members are recognizing the need for downtown expansion and redevelopment that builds off of the area's existing assets and adds more dining, entertainment, housing, and employment options in Downtown Cary. Many opportunities exist to transform downtown into a vibrant destination that accommodates live, work, play, and learn opportunities. A short walk between Cary's unique destinations, diverse supporting neighborhoods, and a future downtown regional transit hub would make it easier for workers and residents to access opportunities in and around the heart of Cary.

The FY 2021 capital appropriations to the *Shape* theme total \$23,500,000, making up approximately 16.4% of the total capital budget. There are an additional \$2,400,000, 1.7%, of projects classified as both *Shape* and *Serve*. These are Stormwater projects which not only shape the way Cary develops, but also serve residents and businesses by resolving stormwater issues that have arisen as Cary grew.

Downtown revitalization infrastructure initiatives are also a focus of the Cary's work in the *Shape* category. Since FY 2011, the Town has appropriated over \$44 million for downtown revitalization infrastructure initiatives.

### ***FY 2021 Shape Highlights***

- \$7,000,000 Cary Indoor Sports Facility Potential Site Acquisition
- \$1,000,000 Western Cary Community Facility
- \$15,000,000 Downtown Parking Development
- \$500,000 Downtown Business Improvement District Development Fees
- \$250,000 Downtown Strategic Parking and Mobility Plan
- \$200,000 Rogers Alley Improvements
- \$50,000 Downtown Rehabilitation and Façade Improvement Program

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## LIVE

The *Live* theme focuses on ensuring that there are adequate housing choices for Cary's changing population, while maintaining the traditional character of Cary.

Cary has a national reputation as being a premier suburban community located within the heart of the Research Triangle Region. The Town has been very successful at providing high-quality single-family housing for families in desirable neighborhoods. The challenge moving forward is to provide quality, housing options in convenient locations that can serve households seeking a different lifestyle in Cary.

Another factor influencing the *Live* theme is the fact that Cary had a significant housing boom over the last two decades, comprising nearly 90% of the housing stock in Cary's neighborhoods. In 2013, Cary had approximately 4,000 homes that were more than 40 years old, most of them located proximate to downtown. By 2032, it is estimated that 23,000 homes will be 40 years old. Looking long-term, these aging neighborhoods will need maintenance and investment to maintain attractiveness to new home buyers and renters.

The general government capital project category supports Cary's *Live* efforts. FY 2021 appropriations to the *Live* theme total \$300,000 making up approximately 0.2% of the total capital budget. Cary also receives significant funding from the Community Development Block Grant program for affordable housing initiatives which are reflected in the annual operating budget.

### *FY 2021 Live Highlights*

- \$300,000 Housing Capital Projects

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**BE SAFE BE KIND BE CARY**

# GENERAL CAPITAL IMPROVEMENTS BUDGET ORDINANCE

## FISCAL YEAR 2021

BE IT ORDAINED by the Town Council of the Town of Cary, North Carolina, that the following General Capital Improvements anticipated revenues and project appropriations, and General Capital Reserve Fund Budget, are hereby adopted for the operation of the town government and its activities for the fiscal year beginning July 1, 2020 and ending June 30, 2021.

<b>SUMMARY</b>	
Transportation Capital Improvements Fund	\$63,630,075
Fire Capital Improvements Fund	2,100,000
Parks, Recreation, and Cultural Resources Capital Improvements Fund	21,185,000
General Government Capital Improvements Fund	23,813,000
Downtown Capital Improvements Fund	950,000
<b>Total</b>	<b><u>\$111,678,075</u></b>

### Section 1. Transportation Capital Improvements Fund Projects **\$63,630,075**

#### REVENUES

RESTRICTED FUND BALANCE	\$9,313,365
RESTRICTED REVENUE	2,119,625
UNRESTRICTED FUND BALANCE	100,000
MISCELLANEOUS	2,750,000
WAKE COUNTY TRANSIT TAX FUNDS	18,015,075
GENERAL FUND TRANSFER	750,000
2019 PREMIUM PROCEEDS	1,341,005
SHAPING CARY'S TOMORROW BOND REFERENDUM	29,241,005
<b>TOTAL REVENUES</b>	<b><u>\$63,630,075</u></b>

### Section 2. Fire Capital Improvements Fund Projects **\$2,100,000**

#### REVENUES

UNRESTRICTED FUND BALANCE	\$100,000
GENERAL FUND TRANSFER	2,000,000
<b>TOTAL REVENUES</b>	<b><u>\$2,100,000</u></b>

### Section 3. Parks, Recreation, and Cultural Resources **\$21,185,000**

#### Capital Improvements Fund Projects

#### REVENUES

RESTRICTED FUND BALANCE	\$4,750,000
UNRESTRICTED FUND BALANCE	905,000
SHAPING CARY'S TOMORROW BOND REFERENDUM	12,419,091
2019 PREMIUM PROCEEDS	180,909
HOTEL/MOTEL OCCUPANCY TAX	1,250,000
INTERLOCAL REVENUE	600,000
GENERAL FUND TRANSFER	1,080,000
<b>TOTAL REVENUES</b>	<b><u>\$21,185,000</u></b>

### Section 4. General Government Capital Improvements Fund Projects **\$23,813,000**

#### REVENUES

UNRESTRICTED FUND BALANCE	\$3,753,000
GENERAL FUND TRANSFER	20,060,000
<b>TOTAL REVENUES</b>	<b><u>\$23,813,000</u></b>

### Section 5. Downtown Capital Improvements Fund Projects **\$950,000**

#### REVENUES

UNRESTRICTED FUND BALANCE	\$950,000
<b>TOTAL REVENUES</b>	<b><u>\$950,000</u></b>

## Section 6. General Capital Reserve Fund Budget

The following Revenues and Inter-Fund Transfers are hereby authorized:

### REVENUES

VEHICLE LICENSE FEES	\$2,600,000
HOTEL/MOTEL OCCUPANCY TAX	3,000,000
POWELL BILL FUNDS	2,969,805
INTEREST EARNED	2,120,000
UTILITY FRANCHISE FEES	595,931
TRANSPORTATION DEVELOPMENT FEES	789,316
TRIANGLE FUTBOL CLUB PAYMENT	181,467
APPROPRIATION FROM FUND BALANCE:	
POWELL BILL	1,930,915
INTERLOCAL REVENUE	600,000
HOTEL/MOTEL OCCUPANCY TAX	1,250,000
PAYMENT-IN-LIEU STREETS	1,508,995
VEHICLE LICENSE FEES	2,814,460
TRANSPORTATION DEVELOPMENT FEES	4,400,000
RECREATION-IN-LIEU WEST	4,500,000
RECREATION-IN-LIEU CENTRAL	250,000
UTILITY FRANCHISE FEES	1,140,500
UNRESTRICTED INTEREST EARNINGS	4,667,500
BOND PREMIUMS	1,521,914
<b>TOTAL REVENUES</b>	<b><u>\$36,840,803</u></b>

### INTERFUND TRANSFERS

TRANSFER TO TRANSPORTATION CAPITAL PROJECTS FUND	\$14,215,000
TRANSFER TO FIRE CAPITAL PROJECTS FUND	100,000
TRANSFER TO PARKS & REC CAPITAL PROJECTS FUND	7,685,909
TRANSFER TO GENERAL GOVERNMENT CAPITAL PROJECTS FUND	3,753,000
TRANSFER TO DOWNTOWN CAPITAL PROJECTS FUND	950,000
RESERVE FOR CAPITAL NEEDS:	
HOTEL/MOTEL OCCUPANCY TAX	3,000,000
TRANSPORTATION DEVELOPMENT FEES	789,316
POWELL BILL	850,180
VEHICLE LICENSE FEES	2,600,000
UNRESTRICTED INTEREST EARNINGS	2,120,000
UTILITY FRANCHISE FEES	595,931
TRIANGLE FUTBOL CLUB PAYMENT	181,467
<b>TOTAL INTER-FUND TRANSFERS</b>	<b><u>\$36,840,803</u></b>

## Section 7. Transfer From Capital Reserve Fund

The Budget Officer is hereby authorized to make transfers from the Capital Reserve Fund to the appropriate capital improvements fund(s) in the amount specified above.

## Section 8. Fee Schedule

The fees as contained in Attachment A are hereby approved and adopted for Fiscal Year 2021.

## Section 9. Authorizations and Restrictions on the Budget Officer

- A. Interfund transfer of monies, except as noted in Section 7, shall be accomplished by Town Council authorization only.
- B. The Budget Officer is hereby authorized to make transfers within funds, including those appropriations established by ordinances adopted prior to the effective date of this ordinance.
- C. All purchasing policies and laws, as related to the acquisition, construction, or purchase of the above capital improvements projects, remain in full force and effect.

## Section 10. Utilization of Capital Improvements Budget Ordinance

This ordinance shall be the basis of the financial plan for capital improvements projects for the Cary municipal government during the 2021 fiscal year. The above revenue and expenditure authorizations shall extend from year to year until each individual project is complete.

## Section 11. Statutory Definition of Project Ordinance

This Capital Improvements Budget Ordinance is adopted in conformance with Section 159-13.2 of the Local Government Budget and Fiscal Control Act.

# UTILITY CAPITAL IMPROVEMENTS BUDGET ORDINANCE

## FISCAL YEAR 2021

BE IT ORDAINED by the Town Council of the Town of Cary, North Carolina, that the following Utility Capital Improvements, anticipated revenues and project appropriations and Utility Capital Reserve Fund Budget, are hereby adopted for the operation of the town government and its activities for the fiscal year beginning July 1, 2020 and ending June 30, 2021.

<b>SUMMARY</b>	
Water Capital Improvements Fund	\$19,880,000
Sewer Capital Improvements Fund	12,155,763
<b>Total</b>	<b><u>32,035,763</u></b>

### Section 1. Water Capital Improvements Fund Projects

**\$19,880,000**

#### REVENUES

RESTRICTED FUND BALANCE	\$6,829,767
UNRESTRICTED FUND BALANCE	1,210,638
REVENUE BOND DEBT PROCEEDS	3,800,000
UTILITY FUND TRANSFER	6,751,595
MUNICIPAL REIMBURSEMENT - TOWN OF APEX	1,288,000
<b>TOTAL REVENUES</b>	<b><u>\$19,880,000</u></b>

### Section 2. Sewer Capital Improvements Fund Projects

**\$12,155,763**

#### REVENUES

RESTRICTED FUND BALANCE	\$6,440,737
UNRESTRICTED FUND BALANCE	-
UTILITY FUND TRANSFER	5,666,066
MUNICIPAL REIMBURSEMENT - TOWN OF APEX	48,960
<b>TOTAL REVENUES</b>	<b><u>\$12,155,763</u></b>

**Section 3. Utility Capital Reserve Fund Budget**

The following Revenues and Inter-Fund Transfers are hereby authorized:

**REVENUES**

WATER DEVELOPMENT FEE	\$4,647,469
SEWER DEVELOPMENT FEE	6,663,059
INTEREST EARNINGS	3,220,000
APPROPRIATION FROM FUND BALANCE:	
UNRESTRICTED UTILITY CAPITAL RESERVE FUND BALANCE	
UNRESTRICTED	1,210,638
RESTRICTED UTILITY CAPITAL RESERVE FUND BALANCE	
WATER DEVELOPMENT FEES	6,829,767
SEWER DEVELOPMENT FEES	6,440,737
<b>TOTAL REVENUES</b>	<b><u>\$29,011,670</u></b>

**INTER-FUND TRANSFERS**

TRANSFER TO WATER CAPITAL PROJECTS FUND	\$8,040,405
TRANSFER TO SEWER CAPITAL PROJECTS FUND	6,440,737
RESERVE FOR CAPITAL NEEDS:	
WATER DEVELOPMENT FEES	4,647,469
SEWER DEVELOPMENT FEES	6,663,059
INTEREST EARNINGS	3,220,000
<b>TOTAL INTER-FUND TRANSFERS</b>	<b><u>\$29,011,670</u></b>

**Section 4. Fee Schedule**

The fees as contained in Attachment A are hereby approved and adopted for fiscal year 2021.

**Section 5. Transfer From Utility Capital Reserve Fund**

The Budget Officer is hereby authorized to make transfers from the Utility Capital Reserve Fund to the appropriate capital improvements fund(s) in the amount specified above.

**Section 6. Authorizations and Restrictions on the Budget Officer**

- A. Interfund transfer of monies, except as noted in Section 5, shall be accomplished by Town Council authorization only.
- B. The Budget Officer is hereby authorized to make transfers within funds including those appropriations established by ordinances adopted prior to the effective date of this ordinance.
- C. All purchasing policies and laws, as related to the acquisition, construction, or purchase of the above capital improvements projects, remain in full force and effect.

**Section 7. Utilization of Capital Improvements Budget Ordinance**

This ordinance shall be the basis of the financial plan for capital improvements projects for the Cary municipal government during the 2021 fiscal year. The above revenue and expenditure authorizations shall extend from year to year until each individual project is complete.

**Section 8. Statutory Definition of Project Ordinance**

This Capital Improvements Budget Ordinance is adopted in conformance with Section 159-13.2 of the Local Government Budget and Fiscal Control Act.

**Section 9. Other Transfers and Adjustments**

The following special transfers/adjustments are occurring through approval of the FY 2021 capital improvements budget: None

## CAPITAL IMPROVEMENTS BUDGET SUMMARY

The following summaries present projects funded by the recommended Capital Improvements Budget for the Town of Cary, North Carolina for Fiscal Year 2021, which begins on July 1, 2020, and ends on June 30, 2021. The Capital Improvements Budget (CIB) represents the financial plan for the acquisition and construction of capital assets. A capital asset is defined as having a value exceeding \$25,000 and a useful life of greater than three years. Exceptions to this rule exist for practical reasons. The CIB contains cost estimates for each capital project and appropriates money for FY 2021. These funds remain available for expenditure until project completion which may extend beyond the end of Fiscal Year 2021.

### Downtown Improvements Fund

A.	\$500,000	Downtown - Business Improvement District Development Fees
B.	250,000	Downtown Strategic Parking and Mobility Plan
C.	200,000	Rogers Alley Improvements
	<u>\$950,000</u>	<b>Downtown Subtotal</b>

### Fire Capital Improvements Fund

A.	\$100,000	Fire Station Rehabilitation
B.	2,000,000	Self Contained Breathing Apparatus (SCBA) Replacement
	<u>\$2,100,000</u>	<b>Fire Subtotal</b>

### General Government Capital Improvements Fund

A.	\$1,000,000	ADA Improvements - Town Facilities
B.	300,000	AH - Housing Capital Projects
C.	7,000,000	Cary Indoor Sports Facility Potential Site Acquisition
D.	50,000	Downtown Rehabilitation and Façade Improvement Program
E.	5,000,000	Enterprise Resource Planning (ERP) Technology Platform Replacement - General
F.	200,000	Facility Long-Term Operations & Maintenance Plan
G.	85,000	Facility Painting Interior and Exterior
H.	100,000	Facility Security
I.	600,000	Heavy Duty Equipment Replacement - General
J.	500,000	Historic Preservation of Character Structures
K.	210,000	HVAC Replacements and Major Maintenance
L.	420,000	Internal Roads Resurfacing
M.	218,000	Internal Security
N.	90,000	Parking Lot Resurfacing and Renovations
O.	600,000	Police Evidence Room
P.	800,000	Roof Assessment and Rehabilitation Program - General
Q.	1,300,000	Salesforce Phase II
R.	1,000,000	Sanitation and Recycling Truck Replacement
S.	300,000	Storm Drainage Project - Private Assistance
T.	300,000	Storm Drainage Project - Town Properties
U.	800,000	Stormwater Condition Assessment and Rehabilitation Program
V.	500,000	Stormwater Open Space Planning
W.	200,000	Stormwater Sensors
X.	440,000	Town Hall Access Improvements and Office Space Modifications
Y.	800,000	Town Facility Wi-Fi
Z.	1,000,000	Western Cary Community Facility
	<u>\$23,813,000</u>	<b>General Government Subtotal</b>

### **Parks, Recreation and Cultural Resources Capital Improvements Fund**

A.	\$20,000	Athletic Field Fencing Amenities Replacement
B.	105,000	Athletic Field Fencing Repair / Replacement
C.	1,000,000	Black Creek Greenway - Phases I, II, and V
D.	8,900,000	Carpenter Fire Station Neighborhood Park
E.	29,500	Cary Arts Center Lighting for Glass Wall Maintenance
F.	770,000	Cary Tennis Park Repair & Maintenance - Court and Site
G.	110,000	Cary Tennis Park Repair & Maintenance - Structures
H.	250,000	Crabtree Creek Trail - Weston Parkway Crossing
I.	250,000	Greenway Pedestrian Structure Repair
J.	340,000	Greenway Resurfacing
K.	500,000	Higgins Greenway - Maynard to Downtown
L.	735,000	Koka Booth Amphitheatre Improvements
M.	6,100,000	McCrimmon Neighborhood Park
N.	400,000	Park and Greenway Renovations
O.	85,000	Playground Surface Repairs / Replacement
P.	250,000	PRCR Audiovisual (AV) Equipment Replacement
Q.	25,000	Public Art - Park and Greenway Amenities
R.	25,000	Restroom Replacement
S.	200,000	Skate Park Improvements
T.	16,000	Tennis Court Renovations
U.	34,500	The Cary Marquee Lighting Maintenance
V.	40,000	USA Baseball Maintenance & Repair - Fields & Site
W.	250,000	USA Baseball Maintenance & Repair - Structures
X.	70,000	Veteran's Freedom Monument Lighting Maintenance
Y.	170,000	WakeMed Soccer Park Maintenance & Repair - Fields & Site
Z.	510,000	WakeMed Soccer Park Maintenance & Repair - Structures
	<b>\$21,185,000</b>	<b>PRCR Subtotal</b>

### **Transportation Capital Improvements Fund**

A.	\$100,000	Bridge / Culvert Repairs
B.	6,100,000	Carpenter Fire Station Rd Widening - NC55 to East of Cameron Pond
C.	6,000,000	Complete 540 Enhancements (NCDOT Reimbursements)
D.	15,000,000	Downtown Parking Development
E.	415,075	GoCary Bus Stop Improvements
F.	75,000	GoCary Capital Amenities
G.	17,600,000	GoCary Regional Operations and Maintenance Facility
H.	700,000	Green Level Church Road Bridge Replacement and Widening at Kit Creek (NCDOT Reimb.)
I.	1,000,000	Intersection Improvements
J.	100,000	Intelligent Transportation Expansion for Cary Advanced Transportation Management System
K.	3,200,000	Louis Stephens Drive / Carpenter Upchurch Road Sidewalk
L.	150,000	Private Streets Legacy Study
M.	2,750,000	Schools - Street Improvement Reimbursements
N.	1,750,000	Sidewalk and Pedestrian Improvements
O.	250,000	Spot Improvements - Based on Levels of Service, Safety and Citizen Concerns
P.	7,100,000	Street Improvement Project
Q.	300,000	Street Storm Drainage System Rehabilitation
R.	140,000	Traffic Calming
S.	900,000	Traffic Signalization Projects
	<b>\$63,630,075</b>	<b>Transportation Subtotal</b>
	<b>\$111,678,075</b>	<b>Total General CIB</b>

### Sewer Capital Improvements Fund

A.	\$250,000	Basin S1, S2, S3 / Walnut Creek Improvements
B.	600,000	Cleaning and Video Survey of Sewer Interceptors
C.	750,000	Enterprise Resource Planning (ERP) Technology Platform Replacement - Sewer
D.	162,889	Extend Reclaimed Water Mains
E.	500,000	Force Main - Condition Assessment & Maintenance
F.	100,000	Force Main - Easement Clearing Project - Survey and Clear
G.	470,000	Heavy Duty Equipment Replacement - Sewer
H.	175,000	NCWRF - Inductively Coupled Plasma Mass Spectrometer Replacement
I.	200,000	Pump Station Grinder Exchange Rebuild/Replacement
J.	250,000	Pump Station Variable Frequency Drive (VFD) Replacements
K.	193,874	Reclaimed Water Line Oversizings
L.	210,000	Sanitary Sewer Oversizings and Related Infrastructure Acceptance Requirements
M.	250,000	SCWRF - Programmable Logic Controller Replacements
N.	250,000	SCWRF - Return Activated Sludge / Waste Activated Sludge Pump Station Improvements
O.	150,000	SCWRF - Ultraviolet (UV) Redundancy Engineering Study
P.	7,000,000	Sewer System Repair / Rehabilitation
Q.	500,000	Wastewater System - Department of Transportation (DOT) Relocates
R.	83,000	WWRWRF - Jet Aeration and Post Aeration Pumps Rebuild / Replace
S.	61,000	WWRWRF - Rebuild / Replace Mixers
	<hr/>	
	<b>\$12,155,763</b>	<b>Sewer Subtotal</b>

### Water Capital Improvements Fund

A.	\$2,000,000	Aquastar Water Meter & Radio Replacement
B.	3,000,000	CAWTF - Basin Rehabilitation
C.	300,000	CAWTF - Fiber Optic Line to Facility
D.	2,000,000	CAWTF - Ozone Generator Replacements
E.	300,000	CAWTF - Residuals Facility Polymer System
F.	750,000	Enterprise Resource Planning (ERP) Technology Platform Replacement - Water
G.	800,000	Extend & Relocate Water Mains and Install Valves
H.	80,000	Heavy Duty Equipment Replacement - Water
I.	3,800,000	Kildaire Farm Road Water Line Reinforcement - Central
J.	5,000,000	Upgrade Water Lines
K.	185,000	Water Line Oversizings and Related Infrastructure Acceptance Requirements
L.	100,000	Water System - Air Release Valve Replacements
M.	175,000	Water System - Critical Water Line Locating and Testing
N.	500,000	Water System - Department of Transportation (DOT) Relocates
O.	125,000	Water System - Valve Replacements
P.	765,000	Watershed Protection
	<hr/>	
	<b>\$19,880,000</b>	<b>Water Subtotal</b>

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**\$32,035,763** Total Utility CIB

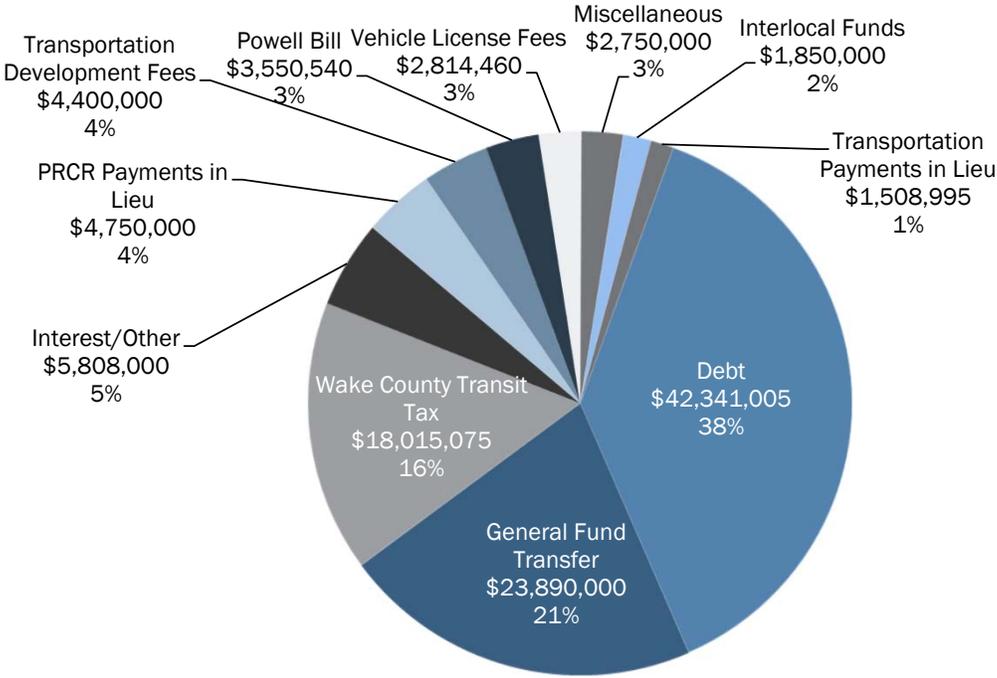
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**\$143,713,838** Total Adopted CIB

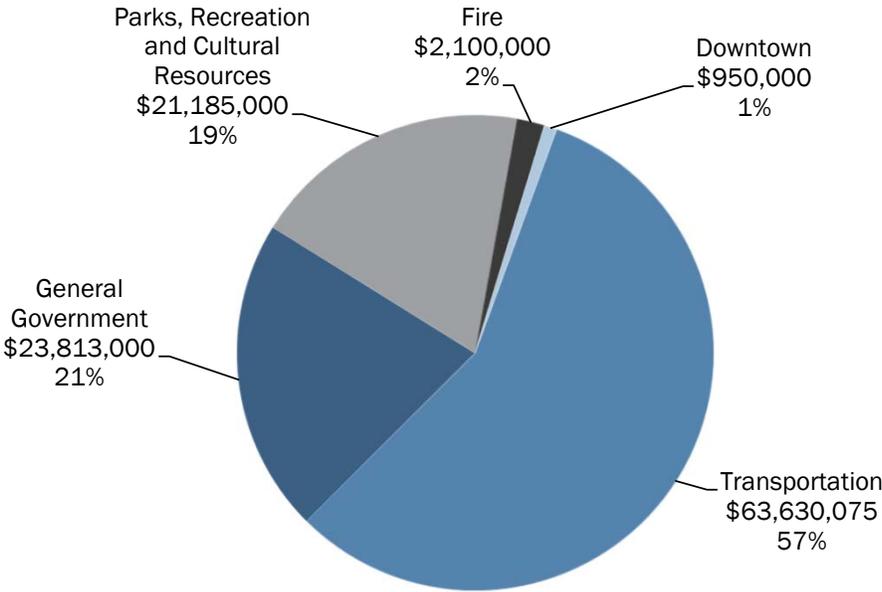
## GENERAL CAPITAL RESERVE FUND SUMMARY

	Actual 2017	Actual 2018	Actual 2019	Adopted 2020	Estimated 2020	Adopted 2021
<b>REVENUES</b>						
Net Investment Earnings	\$1,227,481	\$1,745,308	\$2,490,669	\$2,942,500	\$2,603,354	\$2,120,000
Transportation Development Fees	1,838,189	2,364,446	1,591,306	1,275,184	1,522,568	789,316
Vehicle License Fees	1,296,181	1,413,007	2,301,035	2,534,622	2,534,622	2,600,000
Powell Bill	3,822,179	3,849,600	3,886,278	3,837,294	3,924,420	2,969,805
Recreation Payment In Lieu	4,533,630	4,623,330	4,328,105	--	1,117,765	-
Interlocal Revenue	--	--	--	--	3,000,000	3,000,000
Triangle Futbol Club Payment	186,686	186,686	186,686	181,467	181,467	181,467
Payment in Lieu of Streets	747,856	1,724,293	364,501	--	299,616	-
Payment in Lieu - Street Lighting	12,300	65,090	9,133	--	--	-
Payment in Lieu - Sidewalks	--	6,072	194,102	--	--	-
Utility Franchise Fee	617,909	603,297	576,729	578,574	595,931	595,931
<b>TOTAL REVENUES</b>	<b>\$14,282,411</b>	<b>\$16,581,129</b>	<b>\$15,928,544</b>	<b>\$11,349,641</b>	<b>\$15,779,743</b>	<b>\$12,256,519</b>
<b>OTHER FINANCING SOURCES (USES)</b>						
Transportation Projects Fund	(\$7,665,000)	(\$6,837,575)	(\$17,732,604)	(\$11,061,500)	(\$11,061,500)	(16,465,000)
Fire Projects Fund	(650,000)	(97,500)	(547,000)	(332,000)	(332,000)	(100,000)
Parks & Rec. Projects Fund	(6,224,000)	(3,380,121)	(2,201,500)	(6,911,499)	(7,202,803)	(7,685,909)
General Government Projects Fund	(880,000)	(1,203,300)	(2,905,000)	(5,236,650)	(5,236,650)	(3,753,000)
Downtown Projects Fund	(150,000)	--	--	--	--	(950,000)
Funds Returned to Fund Balance	2,946,356	4,097,338	10,857,584	--	3,396,897	-
<b>TOTAL OTHER FINANCING SOURCES</b>	<b>(\$12,622,644)</b>	<b>(\$7,421,158)</b>	<b>(\$12,528,520)</b>	<b>(\$23,541,649)</b>	<b>(\$20,436,056)</b>	<b>(\$28,953,909)</b>
<b>Revenues and Other Sources Over (Under)</b>						
<b>Expenditures and Other Uses</b>	<b>\$1,659,767</b>	<b>\$9,159,971</b>	<b>\$3,400,024</b>	<b>(\$12,192,008)</b>	<b>(\$4,656,313)</b>	<b>(\$16,697,390)</b>
Fund Balance - Start of Year	\$31,562,205	\$33,221,972	\$42,381,943	\$45,781,967	\$41,125,654	\$41,125,654
Net Fiscal Year Estimated Actual Results	---	---	---	7,535,695		
<b>Fund Balance - End of Year</b>	<b>\$33,221,972</b>	<b>\$42,381,943</b>	<b>\$45,781,967</b>	<b>\$41,125,654</b>	<b>\$36,469,341</b>	<b>\$24,428,264</b>
<b>Undesignated Fund Balance - End of Year</b>	<b>\$32,257,354</b>	<b>\$43,620,199</b>	<b>\$43,239,165</b>	<b>\$42,363,910</b>	<b>\$37,707,597</b>	<b>\$21,885,462</b>

## FY 2021 GENERAL CAPITAL IMPROVEMENTS FUNDING SOURCES = \$111,678,075



## FY 2021 GENERAL CAPITAL IMPROVEMENTS EXPENDITURES = \$111,678,075



**GENERAL CAPITAL IMPROVEMENTS BUDGET BY FUNDING SOURCE**

Project Name	FY 2021 Adopted	Debt Funding	Unrestricted Investment Income	Unrestricted Utility Franchise Fees	Unrestricted General Fund Transfer	Restricted Transportation	Restricted Wake County Transit Tax	Restricted Park & Greenway	Restricted Interlocal
<b>Transportation</b>									
Bridge/Culvert Repairs	100,000	-	-	-	-	100,000	-	-	-
Carpenter Fire Station Rd Widening - NC55 to E. Cameron Pd.	6,100,000	991,005	-	-	-	5,108,995	-	-	-
Complete 540 Enhancements (NCDOT Project R-2828)	6,000,000	6,000,000	-	-	-	-	-	-	-
Downtown Parking Deck	15,000,000	15,000,000	-	-	-	-	-	-	-
GoCary Bus Stop Improvements	415,075	-	-	-	-	-	415,075	-	-
GoCary Capital Amenities	75,000	-	-	-	-	75,000	-	-	-
GoCary Regional Operations and Maintenance Facility	17,600,000	-	-	-	-	-	17,600,000	-	-
Green Level Church Rd Bridge Replacement and Widening at Kit Creek (NCDOT Reimburse)	700,000	700,000	-	-	-	-	-	-	-
Intersection Improvements	1,000,000	1,000,000	-	-	-	-	-	-	-
ITS Expansion for Cary ATMs	100,000	-	-	100,000	-	-	-	-	-
Louis Stephens Drive/Carpenter Upchurch Road Sidewalk	3,200,000	3,200,000	-	-	-	-	-	-	-
Private Streets Legacy Study	150,000	-	-	-	150,000	-	-	-	-
Schools - Street Improvement Reimbursements	2,750,000	-	-	-	-	2,750,000	-	-	-
Sidewalk and Pedestrian Improvements	1,750,000	850,000	-	-	600,000	300,000	-	-	-
Spot Improvements	250,000	-	-	-	-	250,000	-	-	-
Street Improvement Project	7,100,000	2,000,000	-	-	-	5,100,000	-	-	-
Street Storm Drainage System Rehabilitation	300,000	-	-	-	-	300,000	-	-	-
Traffic Calming	140,000	-	-	-	-	140,000	-	-	-
Traffic Signalization Projects	900,000	-	-	-	-	900,000	-	-	-
<b>TOTAL FY 2021 TRANSPORTATION CIB</b>	<b>\$63,630,075</b>	<b>\$29,741,005</b>	<b>-</b>	<b>\$100,000</b>	<b>\$750,000</b>	<b>\$15,023,995</b>	<b>\$18,015,075</b>	<b>-</b>	<b>-</b>

<b>Fire</b>									
Fire Station Rehabilitation	100,000	-	-	100,000	-	-	-	-	-
Self Contained Breathing Apparatus (SCBA) Replacement	2,000,000	-	-	-	2,000,000	-	-	-	-
<b>TOTAL FY 2021 FIRE CIB</b>	<b>\$2,100,000</b>	<b>-</b>	<b>-</b>	<b>\$100,000</b>	<b>\$2,000,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

<b>Parks, Recreation and Cultural Resources</b>									
Athletic Field Fencing Repair/Replacement	20,000	-	20,000	-	-	-	-	-	-
Athletic Field Fencing Repair/Replacement	105,000	-	105,000	-	-	-	-	-	-
Black Creek Greenway - Phases I, II, and V	1,000,000	1,000,000	-	-	-	-	-	-	-
Carpenter Fire Station Neighborhood Park	8,900,000	6,900,000	-	-	-	-	-	2,000,000	-
Cary Arts Center Lighting for Glass Wall Maintenance	29,500	-	-	29,500	-	-	-	-	-
Cary Tennis Park Repair & Maintenance - Court and Site	770,000	-	-	-	-	-	-	-	770,000
Cary Tennis Park Repair & Maintenance - Structures	110,000	-	-	-	-	-	-	-	110,000
Crabtree Creek Trail - Weston Parkway Crossing	250,000	-	-	-	-	-	-	250,000	-
Greenway Pedestrian Structure Repair	250,000	-	250,000	-	-	-	-	-	-
Greenway Resurfacing	340,000	-	340,000	-	-	-	-	-	-
Higgins Greenway	500,000	-	-	-	-	-	-	500,000	-
Koka Booth Amphitheatre Improvements	735,000	-	-	-	735,000	-	-	-	-
McCrimmon Neighborhood Park	6,100,000	4,100,000	-	-	-	-	-	2,000,000	-
Park Renovations	400,000	400,000	-	-	-	-	-	-	-
Playground Surface Repairs/Replacement	85,000	-	-	85,000	-	-	-	-	-
PRCR AV Equipment Replacement	250,000	-	-	-	250,000	-	-	-	-
Public Art - Park and Greenway Amenities	25,000	-	-	25,000	-	-	-	-	-
Restroom Replacement	25,000	-	-	-	25,000	-	-	-	-
Skate Park Improvements	200,000	200,000	-	-	-	-	-	-	-
Tennis Court Renovations	16,000	-	-	16,000	-	-	-	-	-
The Cary Marquee Lighting Maintenance	34,500	-	34,500	-	-	-	-	-	-
USA Baseball Maintenance & Repair - Fields & Site	40,000	-	-	-	-	-	-	-	40,000
USA Baseball Maintenance & Repair - Structures	250,000	-	-	-	-	-	-	-	250,000
Veteran's Freedom Monument Lighting Maintenance	70,000	-	-	-	70,000	-	-	-	-
WakeMed Soccer Park Maintenance & Repair - Fields & Site	170,000	-	-	-	-	-	-	-	170,000
WakeMed Soccer Park Maintenance & Repair - Structures	510,000	-	-	-	-	-	-	-	510,000
<b>TOTAL FY 2021 PRCR CIB</b>	<b>\$21,185,000</b>	<b>\$12,600,000</b>	<b>\$749,500</b>	<b>\$155,500</b>	<b>\$1,080,000</b>	<b>-</b>	<b>-</b>	<b>\$4,750,000</b>	<b>\$1,850,000</b>

**GENERAL CAPITAL IMPROVEMENTS BUDGET BY FUNDING SOURCE**

Project Name	FY 2021 Adopted	Debt Funding	Unrestricted Investment Income	Unrestricted Utility Franchise Fees	Unrestricted General Fund Transfer	Restricted Transportation	Restricted Wake County Transit Tax	Restricted Park & Greenway	Restricted Interlocal
<b>General Government</b>									
ADA Improvements - Town Facilities	1,000,000	-	1,000,000	-	-	-	-	-	-
AH - Owner-Occupied Housing Rehabilitation Program	300,000	-	-	-	300,000	-	-	-	-
Cary Indoor Sports Facility	7,000,000	-	-	-	7,000,000	-	-	-	-
DT - Downtown Rehab and Façade Improvement Program	50,000	-	-	50,000	-	-	-	-	-
ERP Replacement	5,000,000	-	-	-	5,000,000	-	-	-	-
Facility Long-Term O&M Plan	200,000	-	-	200,000	-	-	-	-	-
Facility Painting Interior and Exterior	85,000	-	-	85,000	-	-	-	-	-
Facility Security	100,000	-	100,000	-	-	-	-	-	-
Heavy Duty Equipment Replacement	600,000	-	600,000	-	-	-	-	-	-
Historic Preservation of Character Structures (over 50 years old)	500,000	-	-	-	500,000	-	-	-	-
HVAC Replacements and Major Maintenance	210,000	-	210,000	-	-	-	-	-	-
Internal Roads Resurfacing	420,000	-	-	-	420,000	-	-	-	-
Internal Security	218,000	-	-	-	218,000	-	-	-	-
Open Space Planning	500,000	-	100,000	-	400,000	-	-	-	-
Parking Lot Resurfacing and Renovations	90,000	-	90,000	-	-	-	-	-	-
Police Evidence Room	600,000	-	-	-	600,000	-	-	-	-
Roof Assessment and Rehabilitation Program	800,000	-	-	-	800,000	-	-	-	-
Salesforce Phase 2	1,300,000	-	-	-	1,300,000	-	-	-	-
Sanitation and Recycling Truck Replacement	1,000,000	-	-	-	1,000,000	-	-	-	-
Storm Drainage Project - Private Assistance	300,000	-	300,000	-	-	-	-	-	-
Storm Drainage Project - Town Properties	300,000	-	300,000	-	-	-	-	-	-
Stormwater Condition Assessment and Rehabilitation Program	800,000	-	278,000	-	522,000	-	-	-	-
Stormwater Sensors	200,000	-	-	-	200,000	-	-	-	-
Town Hall Access Improvements and Office Space Modifications	440,000	-	440,000	-	-	-	-	-	-
Town Wi-Fi	800,000	-	-	-	800,000	-	-	-	-
Western Cary Community Facility	1,000,000	-	-	-	1,000,000	-	-	-	-
<b>TOTAL FY 2021 GENERAL GOVERNMENT CIB</b>	<b>\$23,813,000</b>	<b>-</b>	<b>\$3,418,000</b>	<b>\$335,000</b>	<b>\$20,060,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Downtown</b>									
Downtown - Bid Development Fees	500,000	-	500,000	-	-	-	-	-	-
Downtown Strategic Parking and Mobility Plan	250,000	-	-	250,000	-	-	-	-	-
Rogers Alley Improvements	200,000	-	-	200,000	-	-	-	-	-
<b>TOTAL FY 2021 DOWNTOWN CIB</b>	<b>\$950,000</b>	<b>-</b>	<b>\$500,000</b>	<b>\$450,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>GRAND TOTAL - FY 2021 CIB</b>	<b>\$111,678,075</b>	<b>\$42,341,005</b>	<b>\$4,667,500</b>	<b>\$1,140,500</b>	<b>\$23,890,000</b>	<b>\$15,023,995</b>	<b>\$18,015,075</b>	<b>\$4,750,000</b>	<b>\$1,850,000</b>

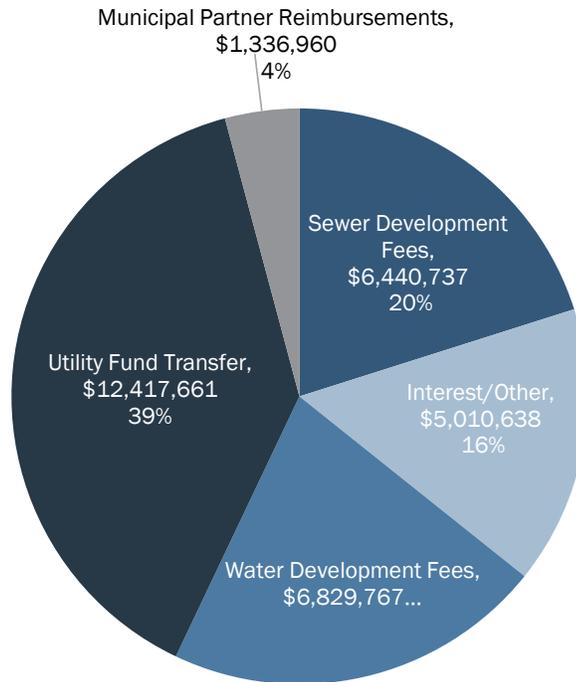
## UTILITY CAPITAL RESERVE FUND SUMMARY

	Actual FY 2017	Actual FY 2018	Actual FY 2019	Adopted FY 2020	Adopted FY 2021
<b>REVENUES</b>					
Net Investment Earnings	\$1,612,855	\$2,682,642	\$3,839,088	\$4,400,000	\$3,220,000
Water Development Fee	5,068,852	4,217,596	5,483,385	4,169,159	4,647,469
Sewer Development Fee	7,553,845	6,702,037	5,312,071	4,389,474	6,663,059
Reclaimed Water Development Fee/ Payment in Lieu	303,871	382,864	(129,528)	--	--
Misc. Developer Payments	7,948	--	--	--	--
<b>TOTAL REVENUES</b>	<b>\$14,547,371</b>	<b>\$13,985,139</b>	<b>\$14,505,016</b>	<b>\$12,958,633</b>	<b>\$14,530,528</b>
<b>OTHER FINANCING SOURCES (USES)</b>					
Water Projects Fund	(3,017,619)	(2,181,005)	(6,032,960)	(18,245,684)	(8,040,405)
Sewer Projects Fund	(10,979,535)	285,464	(19,276,620)	(16,194,625)	(6,440,737)
Funds Returned to Fund Balance	7,338,830	--	14,816,567	--	--
<b>TOTAL OTHER FINANCING SOURCES (USES)</b>	<b>(\$6,658,324)</b>	<b>(\$1,895,541)</b>	<b>(\$10,493,013)</b>	<b>(\$34,440,309)</b>	<b>(\$14,481,142)</b>
Net Income (Loss)	7,889,047	12,089,598	4,012,003	(21,481,676)	49,386
Net Income (Loss) Adjusted	7,889,047	12,089,598	4,012,003	(21,481,676)	49,386
Fund Balance - Start of Year	46,905,823	54,794,870	66,884,468	70,896,471	62,420,015
Prior Year Equity Adjustment	(3,082,330)	(3,412,046)	(3,191,676)	--	--
Adjustment to Accrual	(329,716)	220,370	194,200	--	--
Net Fiscal Year Estimated Actual Results	--	--	--	13,005,220	--
<b>*Net Position - End of Year</b>	<b>\$50,949,723</b>	<b>\$61,491,809</b>	<b>\$69,663,871</b>	<b>\$64,184,892</b>	<b>\$64,234,278</b>
<b>**Net Fund Balance - End of Year</b>	<b>\$54,794,870</b>	<b>\$66,884,468</b>	<b>\$70,896,471</b>	<b>\$62,420,015</b>	<b>\$62,469,401</b>

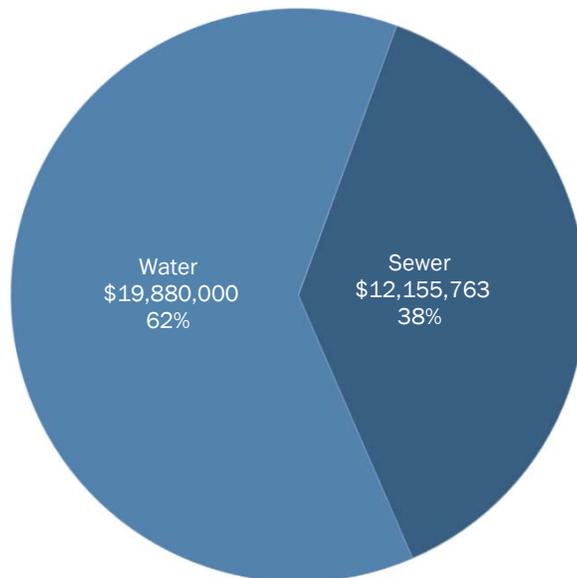
\* "Net Position - End of Year" includes non-expendable accounting adjustments

\*\* "Net Fund Balance - End of Year" represents true, available cash reserves

**FY 2021 UTILITY CAPITAL IMPROVEMENTS  
FUNDING SOURCES = \$32,035,763**



**FY 2021 UTILITY CAPITAL IMPROVEMENTS  
EXPENDITURES = \$32,035,763**



**UTILITY CAPITAL IMPROVEMENTS BUDGET  
BY FUNDING SOURCE**

Project Name	FY 2021 Adopted	Unrestricted Investment Income	Unrestricted Utility Fund Transfer	Restricted Water	Restricted Sewer	Revenue Bonds	Restricted Town of Apex Reimbursement
<b>Water</b>							
Aquastar Water Meter & Radio Replacement	2,000,000	-	2,000,000	-	-	-	-
CAWTF - Ozone Generator Replacements	2,000,000	-	1,540,000	-	-	-	460,000
CAWTF - Fiber Line	300,000	225,638	5,362	-	-	-	69,000
CAWTF - Residuals Facility Polymer System	300,000	-	-	231,000	-	-	69,000
CAWTF Structural and Process Improvements - Basin Rehabilitation	3,000,000	-	-	2,310,000	-	-	690,000
Extend & Relocate Water Mains and Install Valves	800,000	800,000	-	-	-	-	-
Heavy Duty Equipment Replacement - Water	80,000	-	80,000	-	-	-	-
Kildaire Farm Road Water Line Reinforcement - Central	3,800,000	-	-	-	-	3,800,000	-
Upgrade Water Lines	5,000,000	-	811,233	4,188,767	-	-	-
Water Line Oversizings and Related Infrastructure Acceptance Requirements	185,000	185,000	-	-	-	-	-
Water System - Air Release Valve Replacements	100,000	-	-	100,000	-	-	-
Water System - Critical Water Line Locating and Testing	175,000	-	175,000	-	-	-	-
Water System - DOT Relocates	500,000	-	500,000	-	-	-	-
Water System - Valve Replacements	125,000	-	125,000	-	-	-	-
Watershed Protection	765,000	-	765,000	-	-	-	-
Enterprise Resource Planning (ERP) Technology Platform Replacement - Water	750,000	-	750,000	-	-	-	-
<b>TOTAL FY 2021 WATER CIB</b>	<b>\$19,880,000</b>	<b>\$1,210,638</b>	<b>\$6,751,595</b>	<b>\$6,829,767</b>	<b>-</b>	<b>\$3,800,000</b>	<b>\$1,288,000</b>

**Sewer**

Cleaning and Video Survey of Sewer Interceptors	600,000	-	600,000	-	-	-	-
Extend Reclaimed Water Mains	162,889	-	162,889	-	-	-	-
Basin S1, S2, S3 / Walnut Creek Improvements	250,000	-	-	-	250,000	-	-
Force Main Condition Assessment & Maintenance	500,000	-	-	-	500,000	-	-
Force Main Easement Clearing Project - Survey and Clear	100,000	-	-	-	100,000	-	-
Heavy Duty Equipment Replacement - Sewer	470,000	-	470,000	-	-	-	-
Miscellaneous Pump Station Grinder Exchange Rebuild/Replacement	200,000	-	-	-	200,000	-	-
NCWRF - Inductively Coupled Plasma Mass Spectrometer Replacement	175,000	-	-	-	175,000	-	-
Pump Station Variable Frequency Drive (VFD) Replacements	250,000	-	-	-	250,000	-	-
Reclaimed Water Line Oversizings	193,874	-	193,874	-	-	-	-
Sanitary Sewer Oversizings and Related Infrastructure Acceptance Requirements	210,000	-	210,000	-	-	-	-
SCWRF - Programmable Logic Controller Replacements	250,000	-	-	-	250,000	-	-
SCWRF - UV Redundancy Engineering Study	150,000	-	150,000	-	-	-	-
SCWRF - RAS/WAS Pump Station Improvements	250,000	-	-	-	250,000	-	-
Sewer System Repair/Rehabilitation	7,000,000	-	2,534,263	-	4,465,737	-	-
Wastewater System - DOT Relocates	500,000	-	500,000	-	-	-	-
WWWRF - Rebuild Jet Aeration and Post Aeration Pumps	83,000	-	54,780	-	-	-	28,220
WWWRF - Rebuild/Replace Mixers	61,000	-	40,260	-	-	-	20,740
Enterprise Resource Planning (ERP) Technology Platform Replacement - Sewer	750,000	-	750,000	-	-	-	-
<b>TOTAL FY 2021 SEWER CIB</b>	<b>\$12,155,763</b>	<b>-</b>	<b>\$5,666,066</b>	<b>-</b>	<b>\$6,440,737</b>	<b>-</b>	<b>\$48,960</b>

<b>GRAND TOTAL - FY 2021 CIB</b>	<b>\$32,035,763</b>	<b>\$1,210,638</b>	<b>\$12,417,661</b>	<b>\$6,829,767</b>	<b>\$6,440,737</b>	<b>\$3,800,000</b>	<b>\$1,336,960</b>
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## GENERAL CAPITAL IMPROVEMENTS BUDGET REVENUE AND FUNDING SOURCES

General capital revenue and funding sources support transportation, fire, parks, recreation and cultural resources, and general government capital projects such as the following:

### Transportation

- New roads
- Road widening
- Repaving
- Sidewalks

### Fire

- Fire stations
- Aerial ladder trucks

### Parks, Recreation and Cultural Resources

- Community centers
- Greenways
- Parks

### General Government

- Vehicle replacements
- Town government building construction/expansion
- Stormwater condition assessments/rehabilitation

## FUNDING SOURCES

### ▪ **Shaping Cary's Tomorrow Bonds: \$40,819,091**

The FY 2021 capital improvements budget appropriates \$40,819,091 of *Shaping Cary's Tomorrow* bonds in support of a portion of the following project.

\$991,005	Carpenter Fire Station Road Widening – NC55 to east of Cameron Pond
\$6,000,000	Complete 540 Enhancements
\$13,658,995	Downtown Parking Development
\$700,000	Green Level Church Road Bridge Replacement at Kit Creek
\$1,000,000	Intersection Improvements
\$3,200,000	Louis Stephens Drive/Carpenter Upchurch Road Sidewalk
\$850,000	Sidewalk and Pedestrian Improvements
\$2,000,000	Street Improvement Project
\$1,000,000	Black Creek Greenway – Phases I, II, and V
\$6,900,000	Carpenter Fire Station Neighborhood Park
\$4,100,000	McCrimmon Neighborhood Park
\$219,091	Park Renovations
\$200,000	Skate Park Improvements

### ▪ **Wake County Transit Tax: \$18,015,075**

Wake County voters approved a one-half percent (1/2%) sales and use tax on November 8, 2016 whose proceeds serve as a dedicated funding source for the implementation of the Wake County Transit Plan (WCTP). The WCTP is the adopted strategic transit vision for the region and incorporates elements of Cary's transit capital infrastructure priorities. Cary's FY 2021 CIB includes the WCTP approved GoCary transit infrastructure for this year and recognizes the anticipated receipt of \$18,015,075 in support of the following projects:

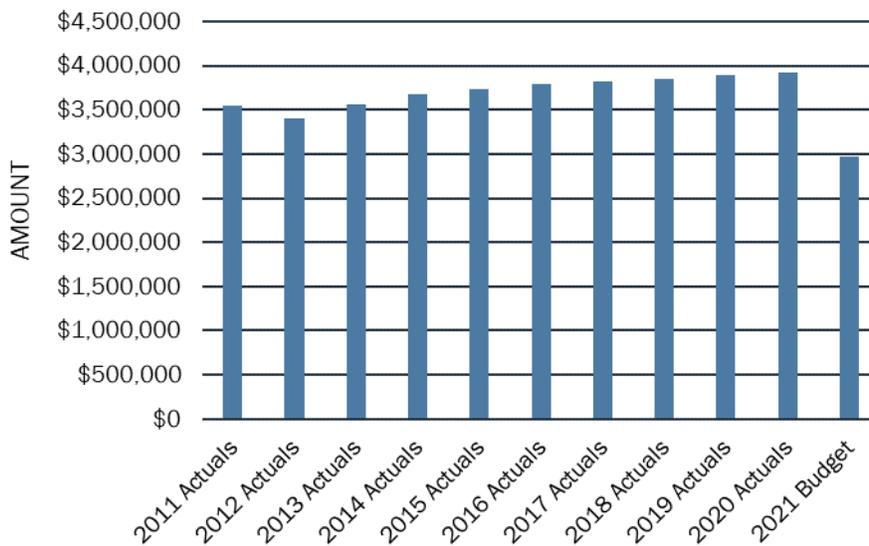
GoCary Bus Stop Improvements	\$415,075
GoCary Regional Operations and Maintenance Facility	\$17,600,000
<b>Total GoCary Funding</b>	<b>\$18,015,075</b>

- **General Fund Transfer: \$23,890,000**

Fund balance transfers from the general fund typically support general capital projects for which funding has not been dedicated from other sources. General fund transfers in FY 2021 total \$23,890,000 and support transportation, fire, PRCR, and general government options.

## REVENUE SOURCES

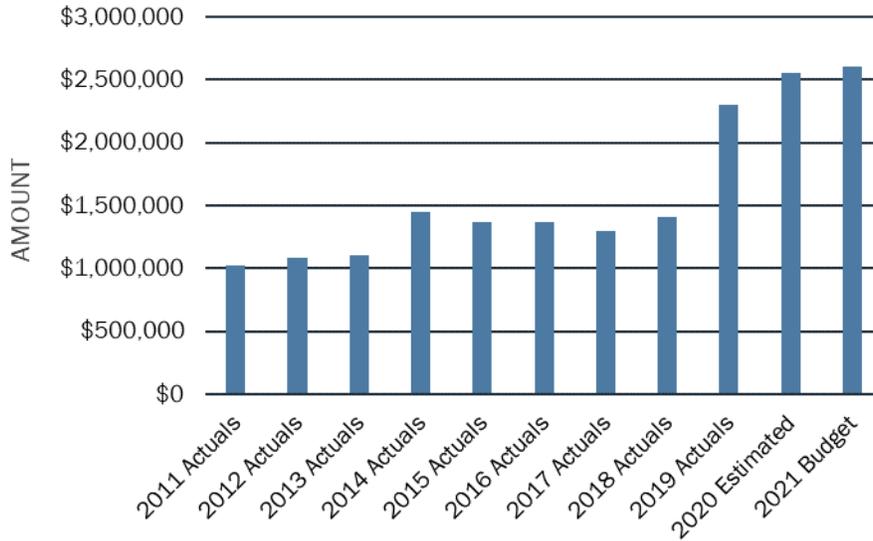
- **Powell Bill: \$2,969,805**



Powell Bill funds are a direct allocation provided by the State of North Carolina for the maintenance of non-state roadways. Powell Bill funds are distributed to municipalities according to a two-part formula. The number of non-state street miles within a municipality comprises one-quarter of the formula (currently projected to be 490.0 miles for the Town of Cary in FY 2020), while three-quarters of the formula is calculated on a per capita basis according to North Carolina General Statutes 136-41.1 through 136.41.4. The North Carolina League of Municipalities provides estimates for the statewide population and mileage rates. These rates are applied in conjunction with Cary’s projected non-state street miles and population to derive the estimate of future receipts.

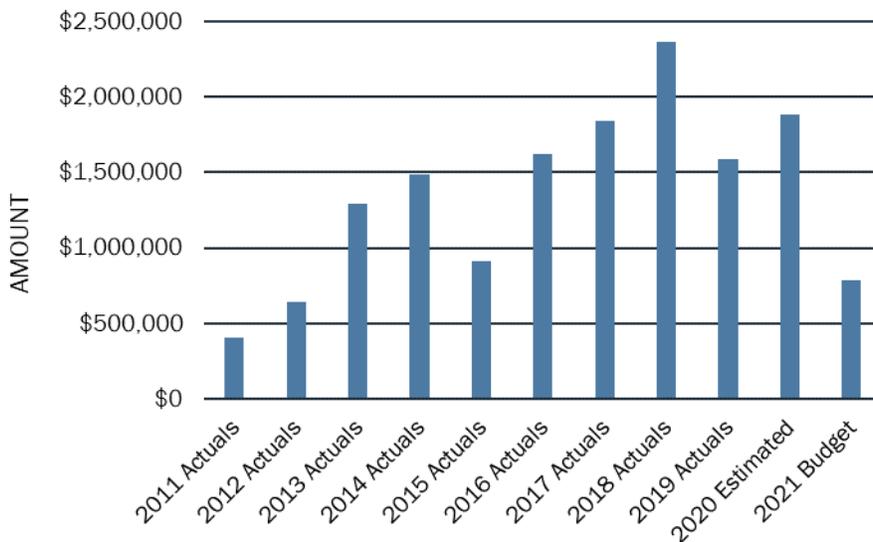
Expenditure of Powell Bill revenues is restricted to certain types of transportation projects. These revenues are distributed twice per year by the state on or before October 1 and on or before January 1. As such, FY 2020 revenues of \$3,924,420 represent actual receipts. Due to the uncertainties surrounding COVID-19, the Town’s FY 2021 Powell Bill distribution is projected to be 24.32% less than FY 2020 actual receipts.

▪ **Vehicle License Fees: \$2,600,000**



The vehicle license fee tax is generated by the sale and/or renewal of vehicle licenses for vehicles owned by Cary residents. North Carolina General Statutes 20-97 and 20-97(a) give Cary the authority to impose a motor vehicle tax of no more than \$30 per year per resident vehicle for the following purposes: general use (no more than \$5 of the fee), public transportation (no more than \$5 of the fee) and maintaining, repairing, constructing, reconstructing, widening, or improving streets in Cary that are not part of the state highway system (remainder of the fee). The revenue reflected here is generated by the \$20 portion of Cary’s \$30 fee directed to street maintenance and improvement.

▪ **Transportation Development Fees: \$789,316**

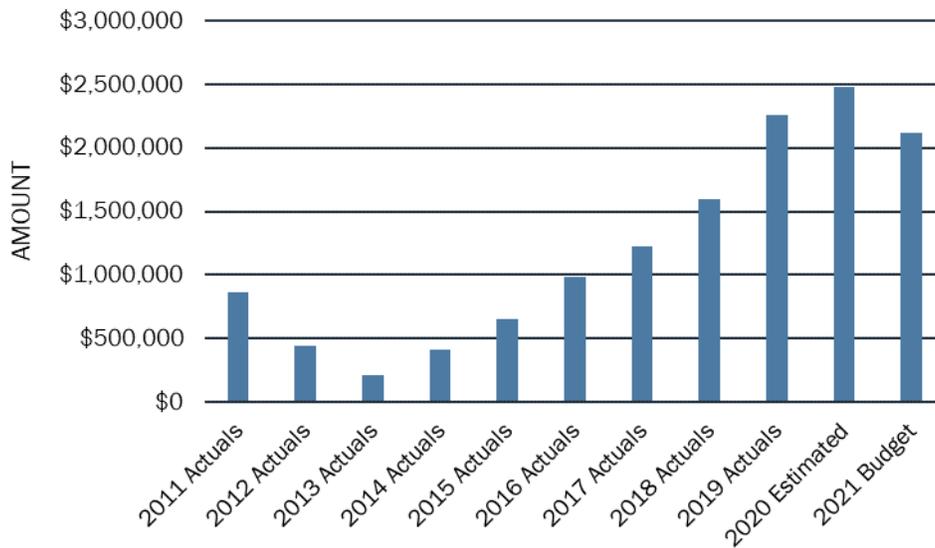


Transportation development fees (TDFs) are charged by Cary at the time of permit issuance for construction and improvement of thoroughfares to help support new development within the Town. Cary received authority to charge transportation development fees in 1987 with House

Bill 684. Cary first utilized its transportation development fee authority in 1989. An independent analysis of the fee's level is conducted periodically with the latest review having been presented to Council and approved by them in April 2015.

Transportation development fee revenue is estimated at \$1,882,766 for FY 2020, representing an 18% increase above FY 2019 actuals. Due to the high variance of transportation development fees, which are dependent on market factors, as well as the uncertainties surrounding the impacts of COVID-19, FY 2021 revenues are conservatively budgeted at \$789,316, or a 58% decrease from FY 2020 estimates. Permit levels and development fee earnings will be monitored closely in FY 2021 and estimates will be adjusted upward should development activity substantially increase.

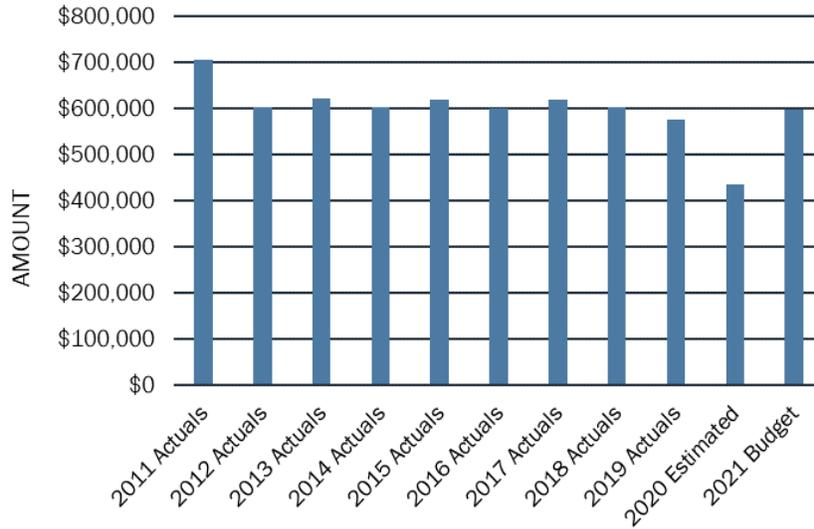
- **Interest Earned: \$2,120,000**



Interest earned represents the amount of money the Town earns on its invested funds held within the general capital reserve fund. These earnings are categorized as unrestricted but must be used to fund general capital projects according to North Carolina General Statute 159-30 which states that interest income must be credited to the fund that supplied the principal. FY 2020 interest revenue is estimated at \$2,476,791 or 10% higher than FY 2019 earnings. FY 2021 interest earnings are projected to decrease 14% below estimated FY 2020 receipts based on uncertainties surrounding COVID-19's impact.

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- Utility Franchise Fees: \$595,931

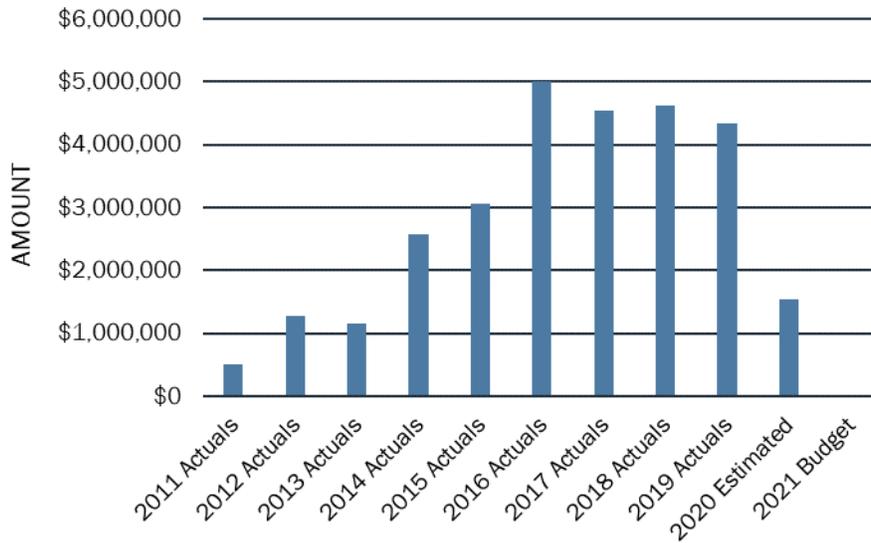


Per North Carolina State Session Law 2006-151, as of January 1, 2007, the State of North Carolina is the franchising authority for video services within the state. This legislation preempts local government franchising authority.

Under this legislation, percentages of sales tax collections on telecommunications, sales tax collections on cable service, and sales tax collections on home satellite television service are distributed to municipalities on a proportional basis. Cities and counties share portions of these three state taxes as replacement for expired local cable franchise fee agreements. The state distributes payments from the sales tax on video programming to counties and municipalities on a quarterly basis. Cary opts to allocate 60% of its video programming distribution to the general fund and 40% to the general capital reserve fund. This action is not mandated by the state. The portion of the distribution accounted for within the general capital reserve fund serves as unrestricted funding that may be appropriated to any general capital need.

FY 2020 utility franchise fee receipts are estimated to be \$435,450 or 24% less than FY 2019 receipts. FY 2021 budgeted revenues of \$595,931 represent a 37% increase from the FY 2020 estimated amount. While there is a nation-wide downward trend in subscriber revenue from these services, we are estimating that the sharp decline in FY 2020 estimates is an anomaly and will be closer to past years actuals for FY 2021. Staff will continue to monitor this revenue source and will revise if need be.

▪ **Park Payment-in-Lieu Fees: \$0**



In residential subdivisions, a portion of the land being subdivided will be required for dedication as a recreation area, or a payment-in-lieu of dedication is required. The payment-in-lieu is equivalent to the value of 1 acre for every 35 units (1/35th of an acre per unit) or any portion thereof (# units / 35 = acreage owed).

Number of units/35 = acreage to be dedicated

Acreage to be dedicated \* the appraised per acre value of the entire parcel = Recreation Fund Payment amount

Once the site plan is approved and the plat is submitted for review, the Town will have the parcel appraised to determine the value of the development or subdivision for property tax purposes, and that is how the per acre value is determined. Payment is due prior to approval of a plat or recording any lots to subdivide out your lots.

For multi-family development, a recreation fund payment is required. The payment is a flat fee per unit and is subject to change on July 1 of each year.

The applicant will pay the rate in effect at the time the plan is approved.

The anticipated rate as of July 1, 2020 is \$3,005/unit. That fee is calculated using 65% of the 5-year rolling average of subdivision recreation fund payment per unit.

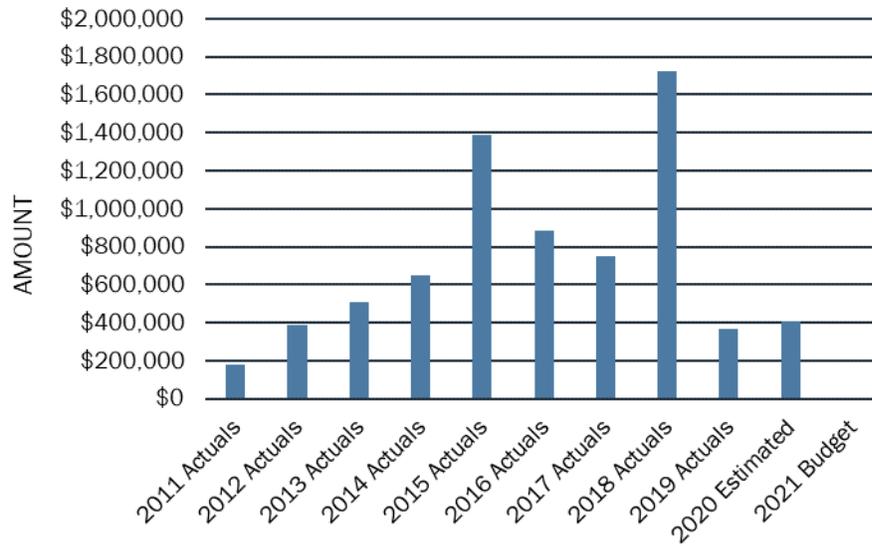
Payment must be made prior to building permit issuance.

Public greenway construction and greenway easement dedication shall be credited towards recreation area dedication payment-in-lieu fees in accordance with LDO 8.2.3 (Credits do not include street-side trail construction or easement/dedication)

The Town does not annually budget for this revenue due to the unpredictability of receipts. Rather, receipts earned in a fiscal year fall to fund balance where they are then appropriated in a future year. \$1,546,121 in Parks Payment-in-Lieu fees is estimated for FY 2020. This figure is 64% less than FY 2019 actual receipts of \$4,328,106.

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- **Street, Sidewalk and Street Light Payment-in-Lieu Fees: \$0**



The Town of Cary's Land Development Ordinance requires that developers of subdivisions construct certain street and sidewalk improvements that conform to Town standards. A payment-in-lieu of street or sidewalk construction and streetlighting may be made to the Town if the requirements of LDO 8.1.5 are met. Payments-in-lieu of improvements must be paid prior to issuance of the construction package.

The Town does not annually budget for this revenue due to the unpredictability of receipts. Rather, receipts earned in a fiscal year fall to fund balance where they are then appropriated in a future year. A total of \$406,165 in street, sidewalk and streetlight payment in lieu fees is estimated for FY 2020. This figure is 11% more than FY 2019 actual receipts of \$364,501.

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## UTILITY CAPITAL IMPROVEMENTS BUDGET

### REVENUE AND FUNDING SOURCES

Revenue and funding sources and related historical trends for the Fiscal Year 2021 capital improvements budget are discussed below. Revenue and funding sources are grouped by the project category to which they are assigned. Graphs are included for the major revenue and funding sources. Each graph presents nine years of actual data, FY 2020 estimated revenues and FY 2021 budgeted revenues.

Utility capital revenue and funding sources support utility related capital projects including the following:

#### Water

- Water Lines
- Water Storage Tanks
- Water Treatment Equipment
- Water Facility Expansions

#### Sewer

- Sewer Lines
- Pump Stations
- Water Reclamation Equipment
- Water Reclamation Facility Expansions

### FUNDING SOURCES

#### Utility Fund Transfers: **\$12,417,661**

Fund balance transfers from the utility fund typically support projects for which funding has not been dedicated from other sources. Cary's utility rates are calculated using a multi-year rate smoothing approach initiated in FY 2009, which is designed to avoid large rate increases in years when significant amounts of debt must be issued, and to generate funds that can be transferred from the utility fund to reduce the amount of debt that must be issued. Rate smoothing spreads the effect of large projects on the rates over several years, avoiding large rate increases in any one year. The FY 2021 capital improvements budget includes a \$12,417,661 utility fund transfer in support of water and sewer utility capital needs.

- **Town of Apex Reimbursement for Town of Cary Utility Capital Projects: \$1,336,960**

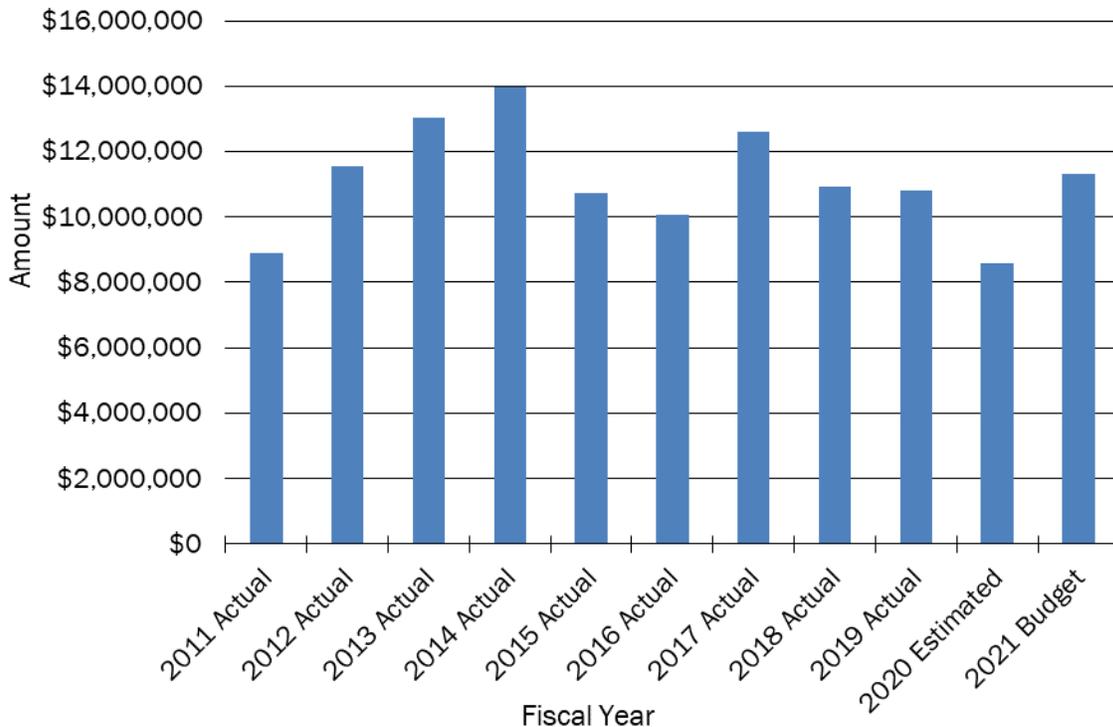
The Cary/Apex Water Treatment Facility is jointly owned by the towns of Cary and Apex. Under the terms of the arrangement, the Cary staffs and manages the facility and bears 77% of all operating and capital costs while the Town of Apex is responsible for the remaining 23%. Cary budgets for 100% of the operating and capital costs associated with the facility and requests reimbursement from the Town of Apex annually for its 23% share.

The FY 2021 total capital appropriation for Cary/Apex Water Treatment Facility projects is \$5,600,000. The 23% Town of Apex reimbursement amount related to these capital appropriations is \$1,288,000. Reimbursement for projects at the Western Wake Regional Water Reclamation Facility or associated pump stations make up the remaining \$48,960 of anticipated Town of Apex FY 2021 reimbursement.

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## REVENUE SOURCES

- **Water and Sewer Development Fees: \$11,310,528**



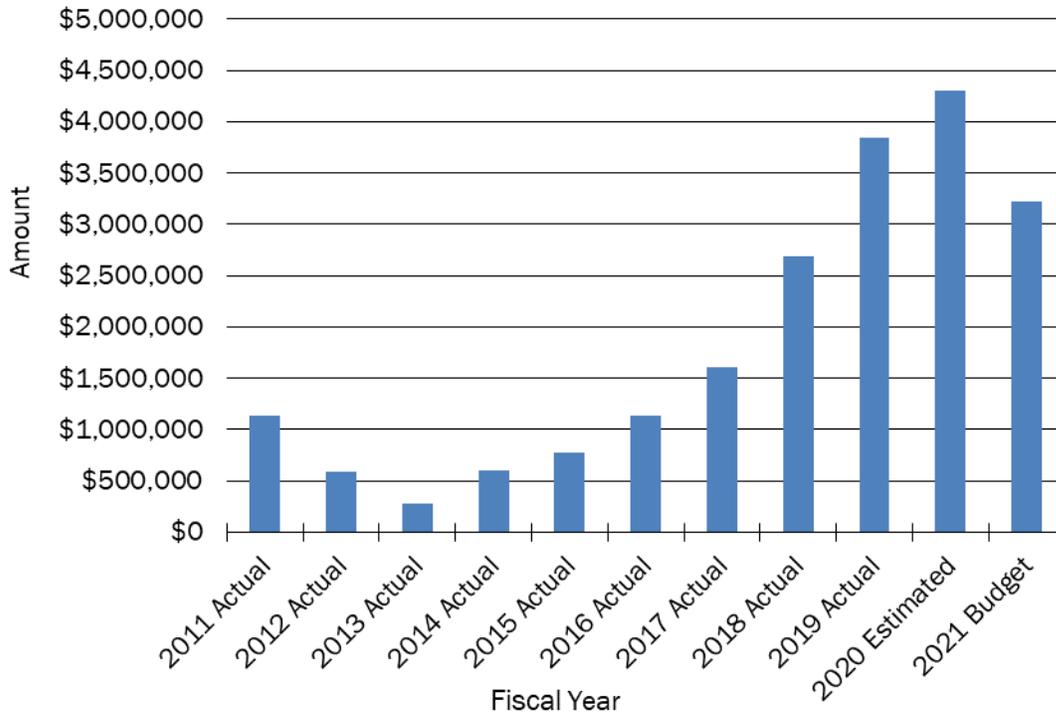
The ability to charge utility development fees, also known as system development fees, is granted via [NC Session Law 2017-138/House Bill 436](#). In compliance with this legislation, the Town hired a qualified consultant to conduct a [system development fee analysis](#) which was adopted by Council on June 28, 2018 after a public hearing.

System development fees are collected when new demand is generated through building permits for new development, requests for new meter boxes, requests for meter installation, or requests for new or changed customer accounts and are due at time of building permit issuance. For new development, the fee is based on proposed use and size of structure. For existing development, the fee is based on the increased demand only (reviewing prior use(s) vs. proposed use) at the current fee rate. Examples of existing development that increase demand include but are not limited to alterations, additions, added systems like irrigation or manufacturing processes, fit-ups, remodeling, renovations or changes in use.

FY 2014 saw the peak in the “post-downturn” recovery with revenues of \$13.9 million. Water and sewer development fee revenues decreased a combined 28% over the next two fiscal years. FY 2017 receipts benefitted substantially from the permitting of three new apartment developments and one five story office building early in the fiscal year. Overall development fee revenue increased 25% in FY 2017 to \$12.6 million. Development fees decreased 13% in FY 2018 to \$10.9 million. These variations in development fee revenues are likely to continue as the amount of land available for greenfield development decreases and development efforts focus on infill and redevelopment projects.

Water and sewer development fee revenue is estimated at \$8,568,738 for FY 2020. This is a 21% decrease from FY 2019 actual receipts. FY 2021 is projected to increase 32% from estimated FY 2020 revenues due to anticipated development activity. As noted previously, the utilization of fee credits and reimbursements by developers can contribute to lower net revenue and are factored into the FY 2021 revenue estimate. Building permit levels and development fee earnings will be monitored closely in FY 2021 and estimates will be adjusted should development activity substantially decrease.

▪ **Interest Earned: \$3,220,000**



Interest Earned revenue represents the amount of money the Town earns on its invested funds held within the utility capital reserve fund. These earnings are categorized as unrestricted but must be used to fund utility capital projects according to North Carolina General Statute 159-30 which states that interest income must be credited to the fund that supplied the principal. The Town of Cary allocates these funds between water and sewer projects based on historical project funding levels with water projects receiving 50% of this income and sewer projects receiving 50%.

At \$276,683, FY 2013 saw the lowest level of interest earnings for the FYs 2011 – 2021 period. A general decline in interest rates due to the Federal Reserve’s response to economic conditions is primarily responsible for that year’s reduced rate of return on investments. FY 2020 interest revenue is estimated at \$4,306,122 or 12% higher than FY 2019 earnings. FY 2021 interest earnings are projected to decrease 25% to \$3,220,000 based on the amount of cash returned to fund balance from closed capital projects and current interest rates which have been impacted by the Federal Reserve’s response to the COVID-19 pandemic.

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## CUMULATIVE IMPACTS OF FYS 2021 – 2041 CAPITAL IMPROVEMENTS BUDGET/PLAN PROJECTS ON THE OPERATING BUDGET

An important criterion to consider when developing a capital improvements budget/plan is the financial impact that a completed capital project will have on a municipality's operating budget. While some completed projects may have little to no staffing or operating/maintenance costs associated with them (i.e. the replacement of a culvert), others may bear considerable annual costs (i.e. the opening of a newly constructed fire station) that must be supported by the Town's operating budget.

The Town of Cary's capital budgeting process requires that costs of this nature be estimated for each project during project request development. Staffing costs (known as personnel costs) and operating and maintenance (O&M) costs are estimated in current fiscal year dollars and note the costs associated with staffing, operating, and maintaining the capital item during its first full year of operation. Schedules are then developed applying a 5% inflation rate per year to approximate future year operating budget impacts that the project will likely have on the operating funds.

The Town of Cary's operating impact forecasts are based on five key assumptions. These assumptions should be referenced when interpreting the tables and graphs outlining the cumulative impacts of the Town of Cary's current capital improvements plan on the Town's operating budget for the next ten years.

1. Operating impacts are defined as any staffing or maintenance needs associated with a completed capital project that must be met on an annual basis in order to run or maintain the item, facility or asset.
2. Operating impacts associated with capital projects coming on-line during FY 2021 are incorporated within the Town of Cary's Annual Operating Budget.
3. Operating impacts contained within these schedules are cumulative. For example, operating impacts beginning in FY 2020 are factored into the following years' impact figures.
4. Operating impacts are effective the first year that the project is complete and fully functioning.
5. Inflation for operating costs is calculated at 5% per year. The Town bases its inflation factor on construction, building and materials cost indices and is intentionally conservative (higher than current levels).

**CUMULATIVE IMPACTS OF FYS 2021 - 2041 CAPITAL IMPROVEMENTS BUDGET/PLAN PROJECTS ON FUTURE OPERATING BUDGETS  
(INCLUDES ONLY PROJECTS WITH IDENTIFIED OPERATING IMPACTS)**

Note: Operating impacts associated with capital projects coming on-line during FY 2021 are incorporated within the Town of Cary's Annual Operating Budget. Operating impacts contained within this schedule are effective the first year that a project is complete and fully functioning.

Intentionally Conservative Annual Inflation Percentage			5%	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr
Project Category	Project Type	Project Title	Total Projected Personnel Cost Related to Projects in CIP	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031-2041
PARKS	Parks	Carpenter Fire Station Neighborhood Park	1,555,500	53,550	56,100	58,650	61,200	63,750	66,300	68,850	71,400	73,950	981,750
PARKS	Parks	Lexie Lane Neighborhood Park Redevelopment	117,800	-	4,400	4,600	4,800	5,000	5,200	5,400	5,600	5,800	77,000
PARKS	Parks	McCrimmon Neighborhood Park	732,000	25,200	26,400	27,600	28,800	30,000	31,200	32,400	33,600	34,800	462,000
PARKS	Parks	Tryon Road Neighborhood Park	544,000	-	-	-	24,000	25,000	26,000	27,000	28,000	29,000	385,000
PARKS	General	Western Cary Community Facility	24,863,457	-	928,686	970,899	1,013,112	1,055,325	1,097,538	1,139,751	1,181,964	1,224,177	16,252,005
WATER	Water	Cary/Apex Water Treatment Facility - Phase IV Expansion and Improvements	2,210,000	-	-	-	-	-	-	-	140,000	145,000	1,925,000
<b>Total Estimated Personnel Impacts Related to Projects in CIP</b>			<b>\$30,022,757</b>	<b>\$78,750</b>	<b>\$1,015,586</b>	<b>\$1,061,749</b>	<b>\$1,131,912</b>	<b>\$1,179,075</b>	<b>\$1,226,238</b>	<b>\$1,273,401</b>	<b>\$1,460,564</b>	<b>\$1,512,727</b>	<b>\$20,082,755</b>

Intentionally Conservative Annual Inflation Percentage			5%	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr
Project Category	Project Type	Project Title	Total Projected O&M Cost Related to Projects in CIP	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031-2041
FIRE	Stations with Pumpers	Fire Station 10 (O'Kelly Chapel Road)	1,443,050	-	53,900	56,350	58,800	61,250	63,700	66,150	68,600	71,050	943,250
FIRE	Stations with Pumpers	Fire Station 10 Pumper (O'Kelly Chapel Road)	449,024	-	16,772	17,534	18,296	19,059	19,821	20,583	21,346	22,108	293,505
GENERAL	Special Projects	ERP Replacement	21,350,000	735,000	770,000	805,000	840,000	875,000	910,000	945,000	980,000	1,015,000	13,475,000
GENERAL	Special Projects	Western Cary Community Facility	62,158,672	-	2,321,716	2,427,249	2,532,781	2,638,314	2,743,846	2,849,379	2,954,911	3,060,444	40,630,032
PARKS	Greenways	Camp Branch (Churchill Estates) Greenway	261,074	-	9,752	10,195	10,638	11,081	11,525	11,968	12,411	12,854	170,651
PARKS	Greenways	Crabtree Creek Trail Weston Parkway Crossing	305,000	10,500	11,000	11,500	12,000	12,500	13,000	13,500	14,000	14,500	192,500
PARKS	Greenways	Dutchman's Branch Greenway - Phase II	248,646	-	9,287	9,709	10,132	10,554	10,976	11,398	11,820	12,242	162,528
PARKS	Greenways	Swift Creek Greenway (Lake Pine Drive to Regency Parkway)	351,750	-	-	-	-	-	-	20,250	21,000	21,750	288,750
PARKS	Greenways	Walnut Creek Greenway and Stormwater Corridor	990,000	-	-	-	-	-	52,000	54,000	56,000	58,000	770,000
PARKS	Parks	Carpenter Fire Station Neighborhood Park	4,209,000	144,900	151,800	158,700	165,600	172,500	179,400	186,300	193,200	200,100	2,656,500
PARKS	Parks	McCrimmon Neighborhood Park	2,714,500	93,450	97,900	102,350	106,800	111,250	115,700	120,150	124,600	129,050	1,713,250
PARKS	Parks	Lexie Lane Neighborhood Park Redevelopment	559,550	-	20,900	21,850	22,800	23,750	24,700	25,650	26,600	27,550	365,750
PARKS	Parks	Sports Turf Field Replacement	6,188,000	-	-	-	-	-	-	-	392,000	406,000	5,390,000
PARKS	Parks	Tryon Road Neighborhood Park	2,176,000	-	-	-	96,000	100,000	104,000	108,000	112,000	116,000	1,540,000
PARKS	Renovations - Park and Greenway	Park and Greenway Renovations	76,250	2,625	2,750	2,875	3,000	3,125	3,250	3,375	3,500	3,625	48,125
PARKS	Special Projects	Park, Greenway and Facility Sign Plan Implementation	26,000	-	-	-	-	1,250	1,300	1,350	1,400	1,450	19,250
TRANSPORTATION	Alternative Modes	GoCary Bus Stop Improvements	610,000	21,000	22,000	23,000	24,000	25,000	26,000	27,000	28,000	29,000	385,000
TRANSPORTATION	Alternative Modes	GoCary Bus Stop Solar Lighting Upgrades	457,500	15,750	16,500	17,250	18,000	18,750	19,500	20,250	21,000	21,750	288,750
TRANSPORTATION	Alternative Modes	GoCary Downtown Multi-Modal Station	3,681,250	-	137,500	143,750	150,000	156,250	162,500	168,750	175,000	181,250	2,406,250
TRANSPORTATION	Alternative Modes	GoCary New Customer Information Technology	305,000	10,500	11,000	11,500	12,000	12,500	13,000	13,500	14,000	14,500	192,500
TRANSPORTATION	Alternative Modes	GoCary New Fare Technology	457,500	15,750	16,500	17,250	18,000	18,750	19,500	20,250	21,000	21,750	288,750
TRANSPORTATION	Alternative Modes	GoCary Regional Operations and Maintenance Facility	3,681,250	-	137,500	143,750	150,000	156,250	162,500	168,750	175,000	181,250	2,406,250
TRANSPORTATION	Alternative Modes	GoCary Transfer Center Improvements	1,767,000	-	66,000	69,000	72,000	75,000	78,000	81,000	84,000	87,000	1,155,000

**CUMULATIVE IMPACTS OF FYS 2021 - 2041 CAPITAL IMPROVEMENTS BUDGET/PLAN PROJECTS ON FUTURE OPERATING BUDGETS  
(INCLUDES ONLY PROJECTS WITH IDENTIFIED OPERATING IMPACTS)**

Note: Operating impacts associated with capital projects coming on-line during FY 2021 are incorporated within the Town of Cary's Annual Operating Budget. Operating impacts contained within this schedule are effective the first year that a project is complete and fully functioning.

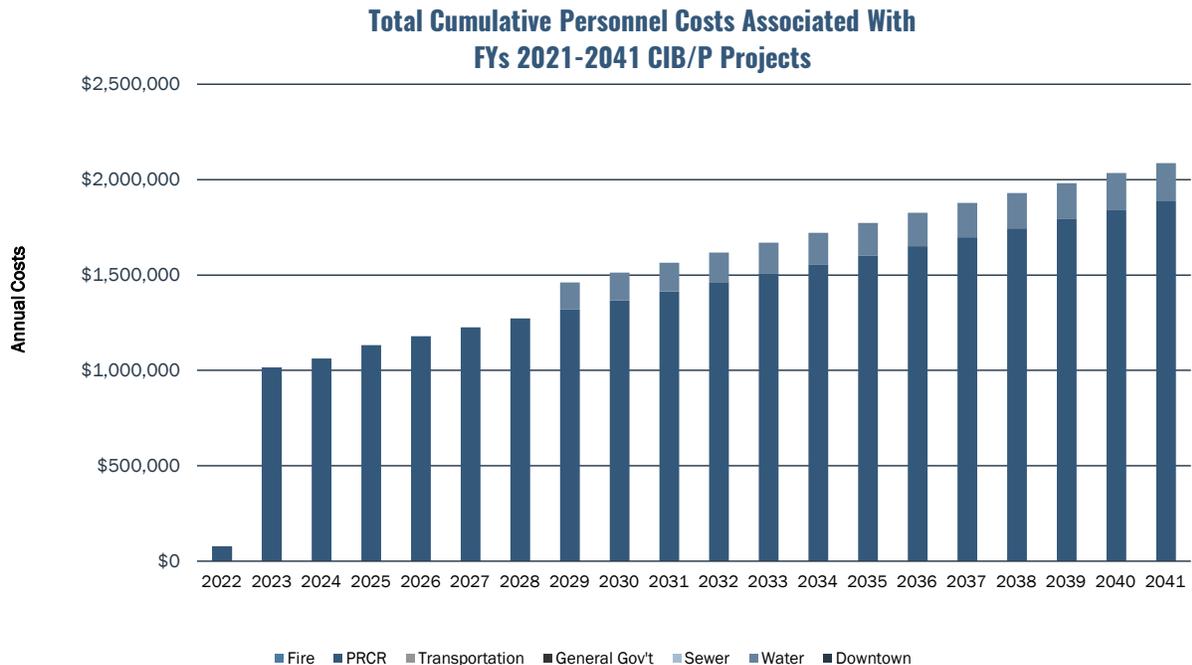
Intentionally Conservative Annual Inflation Percentage			5%	Plan Yr									
Project Category	Project Type	Project Title	Total Projected Personnel Cost Related to Projects in CIP	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031-2041
TRANSPORTATION	Control Systems	Signal System - Camera Coverage Expansion	15,250	525	550	575	600	625	650	675	700	725	9,625
WATER	Other Water Projects	Aquastar Additional Infrastructure	61,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900	38,500
WATER	Water Storage Tanks	Cary/Apex Water Treatment Facility Structural and Process Improvement - New Clearwell	294,500	-	11,000	11,500	12,000	12,500	13,000	13,500	14,000	14,500	192,500
WATER	Water Treatment	Cary/Apex Water Treatment Facility - Phase IV Expansion and Improvements	2,762,500	-	-	-	-	-	-	-	175,000	181,250	2,406,250
<b>Total Estimated Operating &amp; Maintenance Impacts Related to Projects in the CIP</b>			<b>\$117,599,267</b>	<b>\$1,052,100</b>	<b>\$3,886,527</b>	<b>\$4,063,187</b>	<b>\$4,335,847</b>	<b>\$4,517,758</b>	<b>\$4,750,468</b>	<b>\$4,953,428</b>	<b>\$5,703,888</b>	<b>\$5,907,599</b>	<b>\$78,428,466</b>
<b>Total Estimated Operating Impacts</b>			<b>\$147,622,024</b>	<b>\$1,130,850</b>	<b>\$4,902,113</b>	<b>\$5,124,936</b>	<b>\$5,467,759</b>	<b>\$5,696,833</b>	<b>\$5,976,706</b>	<b>\$6,226,829</b>	<b>\$7,164,452</b>	<b>\$7,420,326</b>	<b>\$98,511,221</b>

## CUMULATIVE IMPACTS OF FYS 2021 - 2041 CAPITAL IMPROVEMENTS BUDGET/PLAN PROJECTS ON FUTURE OPERATING BUDGETS (BY OPERATING EXPENDITURE CATEGORY)

### PERSONNEL IMPACTS - presented by Capital Project Type

Fiscal Year of Impact	Water	Sewer	Transportation	Fire	PRCR	General Gov't	Downtown	Total
FY 2022	-	-	-	-	78,750	-	-	78,750
FY 2023	-	-	-	-	1,015,586	-	-	1,015,586
FY 2024	-	-	-	-	1,061,749	-	-	1,061,749
FY 2025	-	-	-	-	1,131,912	-	-	1,131,912
FY 2026	-	-	-	-	1,179,075	-	-	1,179,075
FY 2027	-	-	-	-	1,226,238	-	-	1,226,238
FY 2028	-	-	-	-	1,273,401	-	-	1,273,401
FY 2029	140,000	-	-	-	1,320,564	-	-	1,460,564
FY 2030	145,000	-	-	-	1,367,727	-	-	1,512,727
FY 2031-2041	1,925,000	-	-	-	18,157,755	-	-	20,082,755
<b>Total</b>	<b>\$8,326,724</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$27,812,757</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,022,757</b>

Note: Personnel impacts associated with capital projects coming on-line during FY 2021 are incorporated within the Town of Cary's Annual Operating Budget. Personnel impacts contained within this schedule are effective the first year that a project is complete and fully functioning.



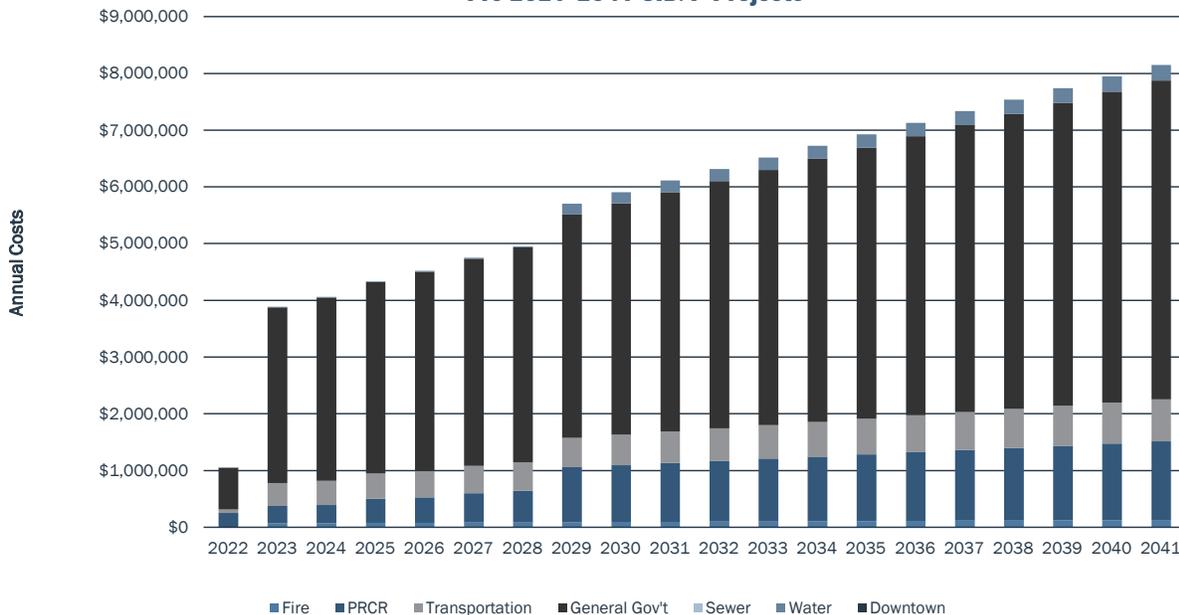
## CUMULATIVE IMPACTS OF FYS 2021 - 2041 CAPITAL IMPROVEMENTS BUDGET/PLAN PROJECTS ON FUTURE OPERATING BUDGETS (BY OPERATING EXPENDITURE CATEGORY)

### OPERATING & MAINTENANCE IMPACTS - *presented by Capital Project Type*

Fiscal Year of Impact	Water	Sewer	Transportation	Fire	PRCR	General Gov't	Downtown	Total
FY 2022	2,100	-	63,525	-	251,475	735,000	-	1,052,100
FY 2023	13,200	-	407,550	70,672	303,389	3,091,716	-	3,886,527
FY 2024	13,800	-	426,075	73,884	317,179	3,232,249	-	4,063,187
FY 2025	14,400	-	444,600	77,096	426,970	3,372,781	-	4,335,847
FY 2026	15,000	-	463,125	80,309	446,010	3,513,314	-	4,517,758
FY 2027	15,600	-	481,650	83,521	515,850	3,653,846	-	4,750,468
FY 2028	16,200	-	500,175	86,733	555,941	3,794,379	-	4,953,428
FY 2029	191,800	-	518,700	89,946	968,531	3,934,911	-	5,703,888
FY 2030	198,650	-	537,225	93,158	1,003,122	4,075,444	-	5,907,599
FY 2031-2041	2,637,250	-	7,132,125	1,236,755	13,317,304	54,105,032	-	78,428,466
<b>Total</b>	<b>\$3,118,000</b>	<b>\$0</b>	<b>\$10,974,750</b>	<b>\$1,892,074</b>	<b>\$18,105,771</b>	<b>\$83,508,672</b>	<b>\$0</b>	<b>\$117,599,267</b>

Note: Operating impacts associated with capital projects coming on-line during FY 2021 are incorporated within the Town of Cary's Annual Operating Budget. Operating impacts contained within this schedule are effective the first year that a project is complete and fully functioning.

### Total Cumulative Operating and Maintenance Costs Associated With FYs 2021-2041 CIB/P Projects



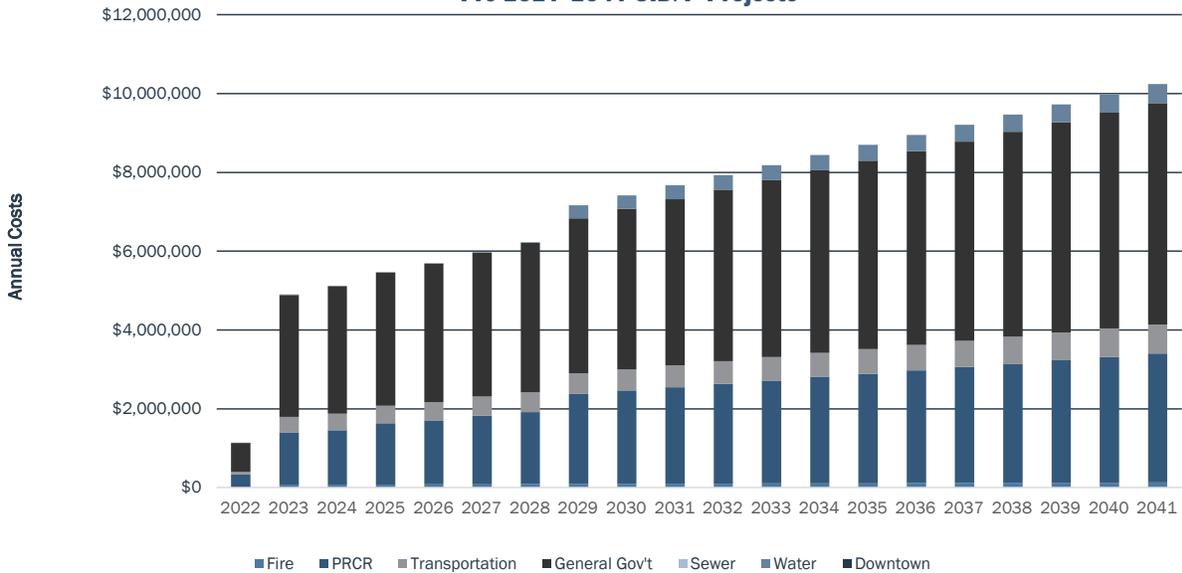
## CUMULATIVE IMPACTS OF FYS 2021 - 2041 CAPITAL IMPROVEMENTS BUDGET/PLAN PROJECTS ON FUTURE OPERATING BUDGETS (BY OPERATING EXPENDITURE CATEGORY)

COMBINED IMPACTS (Personnel and O&M) - presented by Capital Project Type

Fiscal Year of Impact	Water	Sewer	Transportation	Fire	PRCR	General Gov't	Downtown	Total
FY 2022	2,100	-	63,525	-	330,225	735,000	-	1,130,850
FY 2023	13,200	-	407,550	70,672	1,318,975	3,091,716	-	4,902,113
FY 2024	13,800	-	426,075	73,884	1,378,928	3,232,249	-	5,124,936
FY 2025	14,400	-	444,600	77,096	1,558,882	3,372,781	-	5,467,759
FY 2026	15,000	-	463,125	80,309	1,625,085	3,513,314	-	5,696,833
FY 2027	15,600	-	481,650	83,521	1,742,088	3,653,846	-	5,976,706
FY 2028	16,200	-	500,175	86,733	1,829,342	3,794,379	-	6,226,829
FY 2029	331,800	-	518,700	89,946	2,289,095	3,934,911	-	7,164,452
FY 2030	343,650	-	537,225	93,158	2,370,849	4,075,444	-	7,420,326
FY 2031-2041	4,562,250	-	7,132,125	1,236,755	31,475,059	54,105,032	-	98,511,221
<b>Total</b>	<b>\$5,328,000</b>	<b>\$0</b>	<b>\$10,974,750</b>	<b>\$1,892,074</b>	<b>\$45,918,528</b>	<b>\$83,508,672</b>	<b>\$0</b>	<b>\$147,622,024</b>

Note: Impacts associated with capital projects coming on-line during FY 2021 are incorporated within the Town of Cary's Annual Operating Budget. Impacts contained within this schedule are effective the first year that a project is complete and fully functioning.

### Total Cumulative Personnel and O&M Costs Associated With FYs 2021-2041 CIB/P Projects



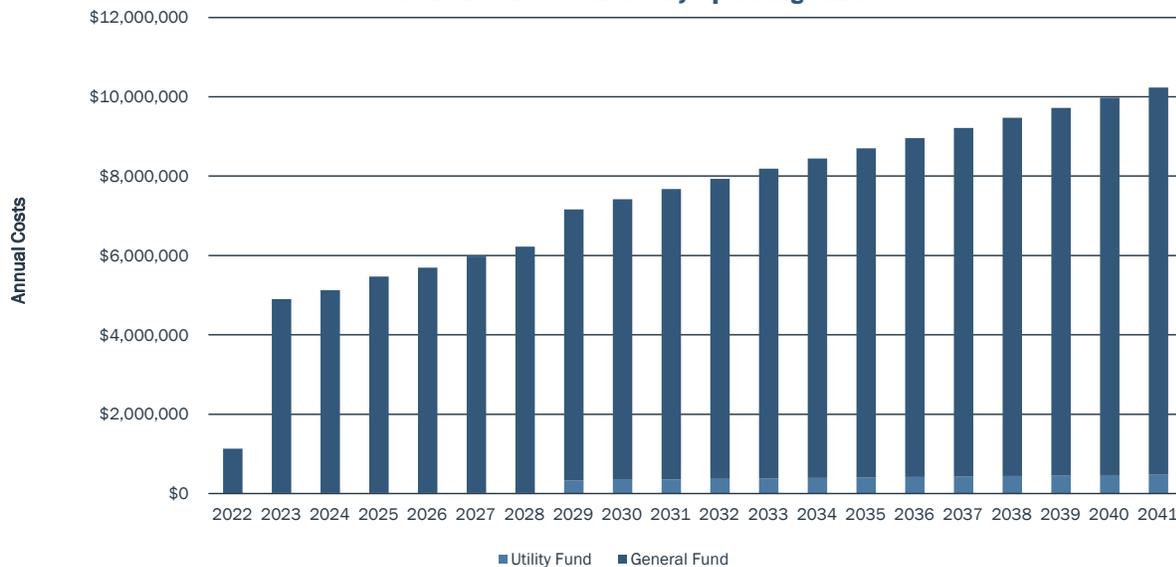
## CUMULATIVE IMPACTS OF FYS 2021 - 2041 CAPITAL IMPROVEMENTS BUDGET/PLAN PROJECTS ON FUTURE OPERATING BUDGETS (BY OPERATING EXPENDITURE CATEGORY)

COMBINED IMPACTS (Personnel and O&M) - *presented by Operating Fund*

Fiscal Year of Impact	Utility Fund	General Fund	Total
FY 2022	2,100	1,128,750	<b>1,130,850</b>
FY 2023	13,200	4,888,913	<b>4,902,113</b>
FY 2024	13,800	5,111,136	<b>5,124,936</b>
FY 2025	14,400	5,453,359	<b>5,467,759</b>
FY 2026	15,000	5,681,833	<b>5,696,833</b>
FY 2027	15,600	5,961,106	<b>5,976,706</b>
FY 2028	16,200	6,210,629	<b>6,226,829</b>
FY 2029	331,800	6,832,652	<b>7,164,452</b>
FY 2030	343,650	7,076,676	<b>7,420,326</b>
FY 2031- 2041	4,562,250	93,948,971	<b>98,511,221</b>
<b>Total</b>	<b>\$5,328,000</b>	<b>\$142,294,024</b>	<b>\$147,622,024</b>

Note: Impacts associated with capital projects coming on-line during FY 2021 are incorporated within the Town of Cary's Annual Operating Budget. Impacts contained within this schedule are effective the first year that a project is complete and fully functioning.

**Total Operating Impacts (Personnel and O&M) of Projects Contained Within the  
FYs 2021 - 2041 CIB/P - by Operating Fund**



**CAPITAL PROJECT SPENDING STATUS  
ACTIVE PROJECTS AS OF JUNE 30, 2020**

	Project Category	Appropriations to Date	Expenditures to Date	Balance to Date	Percent Spent
	Downtown	\$87,747,456	\$25,246,022	\$62,501,434	29%
	Fire	13,853,000	12,740,830	1,112,170	92%
	General Government	56,973,258	37,695,121	19,278,137	66%
	Parks, Recreation, and Cultural Resources	181,998,867	60,726,414	121,272,453	33%
	Transportation	223,479,053	132,040,054	91,438,999	59%
	<b>Total General Capital Projects</b>	<b>\$564,051,634</b>	<b>\$268,448,441</b>	<b>\$295,603,193</b>	<b>48%</b>
	Sewer	\$289,302,712	\$224,961,659	\$64,341,053	78%
	Water	236,460,892	185,862,830	50,598,062	79%
	<b>Total Utility Capital Projects</b>	<b>\$525,763,604</b>	<b>\$410,824,489</b>	<b>\$114,939,115</b>	<b>78%</b>
	<b>GRAND TOTAL</b>	<b>\$1,089,815,238</b>	<b>\$679,272,929</b>	<b>\$410,542,309</b>	<b>62%</b>

**DOWNTOWN PROJECTS**

Project Number	Project Name	Appropriations to Date	Expenditures to Date	Balance to Date	Percent Spent
DT1000	DT - Downtown Available Funds	870,600	62,803	807,797	7%
DT1108	DT - Business Improvement District Development Fees	1,550,399	964,283	586,116	62%
DT1117	DT - Mayton Inn Access Road	106,124	106,123	1	100%
DT1120	DT - Downtown Development Initiatives	-	-	-	0%
DT1123	DT - Regional Stormwater	1,214,590	235,265	979,325	19%
DT1127	DT - Land Downtown Park	5,000	1,299	3,701	26%
DT1128	DT - Midtown Square Sidewalks	292,660	292,660	-	100%
DT1129	DT - Library Parking Structure	14,150,000	14,140,675	9,325	100%
DT1130	DT - 118,120, & 124 Park Street Demolitions	45,000	43,550	1,450	97%
DT1131	DT - Development Opportunities	13,820,000	-	13,820,000	0%
DT1132	DT - Library Lower Level	630,000	630,000	-	100%
DT1134	DT - Development Around Park	25,000	7,500	17,500	30%
DT1135	DT - Chatham Street Parking Spaces	15,000	11,795	3,205	79%
DT1136	DT - Jones House Updates	630,000	608,640	21,360	97%
DT1140	DT - Hunter Street Extension	728,083	-	728,083	0%
DT1141	DT - Academy Park Development	810,000	-	810,000	0%
PR1232	DT - Public Art Park Deck	168,100	168,100	-	100%
PR1237	DT - Downtown Park Master Plan	861,900	737,220	124,680	86%
PR1285	DT - Downtown Park Phase II	51,825,000	7,236,111	44,588,889	14%
	<b>TOTAL DOWNTOWN PROJECTS</b>	<b>87,747,456</b>	<b>25,246,022</b>	<b>62,501,434</b>	<b>29%</b>

**FIRE PROJECTS**

Project Number	Project Name	Appropriations to Date	Expenditures to Date	Balance to Date	Percent Spent
FR1038	Traffic Signal Pre-emption - Phase II	396,000	247,998	148,002	63%
FR1044	Fire Station - Northwestern Cary	925,000	820,364	104,636	89%
FR1048	Fire Station #9 - Walnut Street Area	7,900,000	7,311,858	588,142	93%
FR1055	Aerial Ladder Replacements #1978 & #1997	2,850,000	2,832,114	17,886	99%
FR1056	Aerial Ladder Replacements #2052	1,500,000	1,472,096	27,904	98%
FR1057	Fire Station Rehabilitation	282,000	56,400	225,600	20%
	<b>TOTAL FIRE PROJECTS</b>	<b>13,853,000</b>	<b>12,740,830</b>	<b>1,112,170</b>	<b>92%</b>

**GENERAL GOVERNMENT PROJECTS**

Project Number	Project Name	Appropriations to Date	Expenditures to Date	Balance to Date	Percent Spent
GG1075	Sanitation and Recycling Truck Replacement	18,790,965	17,248,982	1,541,983	92%
GG1109	Historic Preservation Implementation	26,839	26,839	0	100%
GG1111	Work Order Management / 311	850,000	823,503	26,497	97%
GG1113	Conference Room Technology Upgrades	215,400	186,268	29,132	86%
GG1126	Garmon Operations Center Improvements - Phase II	2,250,000	2,230,180	19,820	99%
GG1130	Storm Water Condition Assessment - FY 2015	2,850,000	952,259	1,897,741	33%
GG1132	Town Website Overhaul	505,000	460,795	44,205	91%

Project Number	Project Name	Appropriations to Date	Expenditures to Date	Balance to Date	Percent Spent
<b>GENERAL GOVERNMENT PROJECTS (Continued)</b>					
GG1139	Heavy Equipment Replacement - General Government	4,100,000	2,926,591	1,173,409	71%
GG1142	Relamping Town Facilities	169,691	168,833	858	99%
GG1144	Application Software Replacement	2,000,000	1,999,999	1	100%
GG1146	Evidence Room Expansion or Relocation	2,800,000	106,600	2,693,400	4%
GG1147	Roof Assessment & Rehabilitation - General Government	1,970,000	945,171	1,024,829	48%
GG1149	ADA Improvements - Town Facilities	2,085,350	902,179	1,183,171	43%
GG1150	Electric Vehicle Charging Stations - Library Parking Deck	110,000	110,000	-	100%
GG1152	Historic Town Facility Preservation	1,000,000	186,877	813,123	19%
GG1153	HVAC Replacement & Maintenance - FY 2018	120,000	80,997	39,003	67%
GG1154	Parking Lot Resurfacing - FY 2018	101,000	101,000	-	100%
GG1155	Sand & Salt Storage Structure	150,000	144,884	5,116	97%
GG1157	Imagine Cary Act Studies	75,000	14,500	60,500	19%
GG1159	Stormwater Outpost & Camera	200,000	158,333	41,667	79%
GG1160	Facility Painting Interior & Exterior - FY 2019	90,000	82,000	8,000	91%
GG1161	Fleet Field Service / Response Vehicle	200,000	199,272	728	100%
GG1162	Stormwater Condition Assessment	700,000	-	700,000	0%
GG1163	Stormwater Internet of Things (IOT)	350,000	22,025	327,975	6%
GG1164	Adaptive Stormwater SSCF Grant	300,000	84,499	215,501	28%
GG1165	Body Worn & In-Car Cameras	1,200,000	981,620	218,380	82%
GG1166	Cary-Apex Fiber Connection	263,650	450	263,200	0%
GG1167	Underground Storage Tank Replacement	400,000	356,189	43,811	89%
GG1168	Facilities Long-Term Operations & Maintenance Plan	350,000	144,500	205,500	41%
GG1169	Fleet Management Software Replacement	250,000	230,021	19,979	92%
GG1170	Historic Preservation of Character Structures	1,029,161	133,453	895,708	13%
GG1171	Internal Roads Surfacing	1,260,000	114,139	1,145,861	9%
GG1172	Multipurpose Room Upfits	125,000	88,917	36,083	71%
GG1173	Parking Decks Major Maintenance	30,000	22,000	8,000	73%
GG1174	Town Hall Pedestrian Bridge & Generator	1,040,000	538,818	501,182	52%
GG1175	Clean Fuel Advanced Technology FY 2019 - 2020	72,456	64,477	7,979	89%
GG2500	*FENTON - General Government	-	163,318	(163,318)	100%
GG3200	Facility Painting - Interior & Exterior	170,000	48,546	121,454	29%
GG3300	HVAC Replacement & Major Maintenance	298,000	89,068	208,932	30%
GG3400	Parking Lot Resurfacing	205,000	42,038	162,962	21%
GG4001	AH-Housing Capital Projects	1,950,124	1,393,509	556,615	71%
GG4002	AH - Downtown Rehabilitation and Façade Improvements	593,591	385,935	207,656	65%
GG4004	AH - Affordable Housing Administration	49,145	49,145	-	100%
GG4005	AH - Minimum Housing Demolition	164,500	54,989	109,511	33%
GG5000	Land - Land Banking (Main)	648,248	-	648,248	0%
GG5027	Land - Rankine Property	260,000	248,070	11,930	95%
GG5028	Land -8616-8854 Chapel Hill Road	17,500	17,300	200	99%
GG5029	Land - 328 Waldo Street	49,108	49,107	1	100%
GG6000	STM - Town Property Storm Drainage Project - Main	792,153	-	792,153	0%
GG6006	STM - 112 Summer Lakes Drive	989,595	902,746	86,849	91%
GG6013	STM - South Walker Street	523,559	438,392	85,167	84%
GG6014	STM - Highland	120,000	73,051	46,949	61%
GG6015	STM - Copperleaf	50,000	43,519	6,481	87%
GG6016	STM - Parkthrough Street	45,000	40,495	4,505	90%
GG6017	STM - Willow Street Drainage Study	5,000	3,850	1,150	77%
GG6018	STM - Walker Street Outfall	30,000	25,900	4,100	86%
GG6019	STM - Walmsley	80,000	20,000	60,000	25%
GG6020	STM - Winslow	65,000	-	65,000	0%
GG7000	STM - Storm Water - Private - MAIN	423,538	11,693	411,845	3%
GG7015	STM - Joel Court at Bayoak Drive	587,685	584,244	3,441	99%
GG7016	STM - West High near Jodhpur	652,000	48,085	603,915	7%
GG7017	STM - Two Creeks Near Plaintree	75,000	58,722	16,278	78%
GG7021	STM - Manchester	60,000	40,867	19,133	68%
GG7022	STM - Warren and Pleasants	40,000	25,363	14,637	63%
	<b>TOTAL GENERAL GOVERNMENT PROJECTS</b>	<b>56,973,258</b>	<b>37,695,121</b>	<b>19,278,137</b>	<b>66%</b>

**PARKS, RECREATION, AND CULTURAL RESOURCES (PRCR) PROJECTS**

Project Number	Project Name	Appropriations to Date	Expenditures to Date	Balance to Date	Percent Spent
PR1039	Greenway Land and Open Space	1,480,300	1,480,300	-	100%
PR1111	Mills Park	1,810,000	1,620,817	189,183	90%
PR1129	Black Creek Greenway Renovation - Phases I and II	6,904,700	764,745	6,139,955	11%
PR1143	Roberts Road Park	250,000	-	250,000	0%
PR1159	Park Greenway and Facility Sign Plan	445,000	355,694	89,306	80%
PR1164	USA Baseball Facility Improvements - Interlocal	6,455,000	1,058,759	5,396,241	16%
PR1166	Crabtree Creek Greenway	5,398,000	4,639,741	758,259	86%
PR1182	Cary Tennis Park Court Renovations	925,000	907,680	17,320	98%
PR1184	Mills Park - Phase II	1,070,000	229,295	840,705	21%
PR1186	White Oak Greenway - American Tobacco Trail Section	5,630,070	4,424,258	1,205,812	79%
PR1187	Panther Branch Greenway - Cameron Pond	4,856,939	4,513,466	343,473	93%
PR1188	Sports Turf Fields	2,601,355	2,505,541	95,814	96%
PR1193	Cary Tennis Park Expansion - Interlocal	7,380,500	5,097,367	2,283,133	69%
PR1202	Soccer Park Improvements - Phase II - Interlocal	3,520,000	3,407,267	112,733	97%
PR1211	Park and Greenway Renovations - FY 2015	226,000	211,388	14,612	94%
PR1213	White Oak Creek Greenway Trailhead	185,000	183,866	1,134	99%
PR1222	Park and Greenway Renovation - FY 2016	255,000	249,110	5,890	98%
PR1230	WakeMed Soccer Park Improvements - FY 2016	220,000	118,209	101,791	54%
PR1236	Thomas Brooks / NTC Field Drainage / Replacement	1,500,000	1,221,214	278,786	81%
PR1237	DT - Downtown Park Master Plan	861,900	737,220	124,680	86%
PR1239	Kids Together Park - Misting Garden	130,000	91,645	38,355	70%
PR1241	Mills Park Community Center Plan	50,000	-	50,000	0%
PR1242	McCrimmon Neighborhood Park	8,700,000	694,331	8,005,669	8%
PR1245	Public Art - Carpenter Park	60,000	60,000	-	100%
PR1247	Recreation Facility Improvements	330,000	328,468	1,532	100%
PR1251	White Oak Greenway - MacArthur	9,057,500	8,071,829	985,671	89%
PR1252	Western Cary Disc Golf	120,000	93,230	26,770	78%
PR1255	Carpenter Fire Station Road Neighborhood Park	11,750,000	686,865	11,063,135	6%
PR1256	Park & Greenway Renovations - FY 2018	270,000	225,649	44,351	84%
PR1257	Playground Surface Repairs - FY 2018	83,000	83,000	-	100%
PR1259	Public Art-McCrimmon Neighborhood Park	10,000	10,000	-	100%
PR1260	Public Art-Carpenter Fire Station Road Neighborhood Park	10,000	10,000	-	100%
PR1261	Public Art - Parks & Greenway Amenities	45,000	20,000	25,000	44%
PR1262	Tennis Court Renovations - FY 2018	72,000	68,420	3,580	95%
PR1263	Annie Jones & Dunham Tennis Courts	2,400,000	134,405	2,265,595	6%
PR1264	Greenway Bridges & Surface Repairs - FY 2018	350,000	350,000	-	100%
PR1267	Higgins Greenway	3,990,000	642,871	3,347,129	16%
PR1269	Cary Tennis Park Lighting / Bleacher Improvements	1,115,000	601,490	513,510	54%
PR1270	Athletic Field Fencing Amenities - FY 2019	125,000	125,000	-	100%
PR1271	Athletic Field Fencing Repair / Replacements - FY 2019	88,000	67,188	20,812	76%
PR1272	Athletic Field Light Replacements	440,000	440,000	-	100%
PR1273	Greenway Pedestrian Structure Repairs	50,000	47,711	2,289	95%
PR1274	Greenway Resurfacing - FY 2019	320,000	154,587	165,413	48%
PR1275	Park & Greenway Renovations - FY 2019	365,000	215,681	149,319	59%
PR1276	Playground Surface Repairs - FY 2019	110,500	33,612	76,888	30%
PR1277	PRCR Facility Improvements	215,000	173,998	41,002	81%
PR1278	Public Art-Higgins Greenway	50,000	50,000	-	100%
PR1279	Public Art - West Cary Community Facility	50,000	-	50,000	0%
PR1280	Tennis Court Fencing Replacement - FY 2019	125,000	119,000	6,000	95%
PR1281	Tennis Court Renovations - FY 2019	173,000	156,000	17,000	90%
PR1282	WakeMed Soccer Park Interlocal Small Projects	1,400,000	1,392,974	7,026	99%
PR1283	Koka Booth Amphitheater Improvements - FY 2019	740,000	738,878	1,122	100%
PR1284	Crabtree Creek Greenway - Weston	3,265,000	165,139	3,099,861	5%
PR1285	DT - Downtown Park Phase II	51,825,000	7,236,111	44,588,889	14%
PR1286	Crabtree Creek Greenway - Bond Park & High House	1,650,000	-	1,650,000	0%
PR1287	Public Art - Crabtree Creek Trail	20,000	20,000	-	100%
PR1288	Walnut Creek Greenway & Stormwater Corridor	150,000	-	150,000	0%
PR1289	Penny Road School Park Improvements	1,000,000	16,930	983,070	2%
PR1290	Playground Upgrades	1,000,000	-	1,000,000	0%
PR1292	WakeMed Soccer Park Improvements - William Peace Univ.	200,000	168,811	31,189	84%
PR3000	Open Space - Bond Funding	19,804,000	-	19,804,000	0%
PR3001	Chatham Open Space	196,000	196,000	-	100%

Project Number	Project Name	Appropriations to Date	Expenditures to Date	Balance to Date	Percent Spent
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**PARKS, RECREATION, AND CULTURAL RESOURCES (PRCR) PROJECTS (Continued)**

PR3100	Cary Tennis Park - Court Maintenance & Repair	770,000	-	770,000	0%
PR3101	Cary Tennis Park - Court Maintenance & Repair - FY 2020	88,200	83,488	4,712	95%
PR3150	Cary Tennis Park - Structure Maintenance & Repair	110,000	-	110,000	0%
PR3151	Cary Tennis Park - Structure Maintenance & Repair - FY 2020	159,863	125,908	33,955	79%
PR3200	Greenway Pedestrian Structure Repair	310,000	-	310,000	0%
PR3201	Greenway Pedestrian Structure Repair - McDonald - Green Hope School	40,000	-	40,000	0%
PR3250	Greenway Resurfacing	651,000	-	651,000	0%
PR3251	Greenway Resurfacing - Annie Jones	169,000	150,953	18,047	89%
PR3252	Greenway Resurfacing - Churchill Estates	40,000	32,350	7,650	81%
PR3300	Koka Booth Amphitheatre Improvements	785,000	45,500	739,500	6%
PR3400	Park & Greenway Renovations	400,000	-	400,000	0%
PR3401	Walnut Street Park Renovations	260,000	39,835	220,165	15%
PR3402	Senior Center Sound Baffling	70,000	45,078	24,922	64%
PR3450	Playground Surface Repair	170,000	18,959	151,041	11%
PR3500	Restroom Replacement	25,000	-	25,000	0%
PR3501	Bond Park Comfort Station	250,000	192,840	57,160	77%
PR3501	Tennis Court Renovations	104,000	-	104,000	0%
PR3600	USA Baseball Field & Site - Maintenance & Repair	40,000	-	40,000	0%
PR3601	USA Baseball Field & Site - Maintenance & Repair - FY 2020	663,789	618,282	45,507	93%
PR3650	USA Baseball Structures - Maintenance & Repair	250,000	-	250,000	0%
PR3651	USA Baseball Structures - Interior - FY 2020	281,663	272,086	9,577	97%
PR3652	USA Baseball Structures - Exterior - FY 2020	273,000	267,506	5,494	98%
PR3700	WakeMed Soccer Park -Field & Site - Maintenance & Repair	170,000	-	170,000	0%
PR3701	WakeMed Soccer Park - Stadium Field	809,025	780,797	28,228	97%
PR3750	WakeMed Soccer Park - Structures - Maintenance & Repair	510,000	-	510,000	0%
PR3751	WakeMed Soccer Park - Structures - Interior - FY 2020	458,063	410,590	47,473	90%
PR3752	WakeMed Soccer Park - Structures - Exterior - FY 2020	262,500	226,484	36,016	86%
	<b>TOTAL PRCR PROJECTS</b>	<b>181,998,867</b>	<b>60,726,414</b>	<b>121,272,453</b>	<b>33%</b>

**TRANSPORTATION PROJECTS**

Project Number	Project Name	Appropriations to Date	Expenditures to Date	Balance to Date	Percent Spent
ST1107	Traffic calming	760,835	668,569	92,266	88%
ST1116	Sidewalk Improvement - FY 2004	500,000	499,906	94	100%
ST1123	Morris Pkwy Extension - Phase III	16,835,383	16,835,377	6	100%
ST1129	Traffic Signals- FY 2005	200,000	199,999	1	100%
ST1131	Thoroughfare Street Lighting	250,000	250,000	-	100%
ST1143	Traffic Signals - FY 2006	243,818	243,817	1	100%
ST1147	Sidewalk Improvements - FY 2007	1,000,000	1,000,000	-	100%
ST1157	Traffic Signals - FY 2007	300,000	299,999	1	100%
ST1173	Traffic Signals - FY 2008	229,967	229,966	1	100%
ST1179	Sidewalk Improvements - FY 2009	1,000,000	1,000,000	-	100%
ST1196	Sidewalk Improvements - FY 2011	500,000	500,000	1	100%
ST1198	Traffic Signals - FY 2011	400,000	400,054	(54)	100%
ST1204	Carpenter Fire Station Road / CSX Rail Grade	35,829,969	33,053,285	2,776,684	92%
ST1206	Green Level West Road Widening	5,951,020	5,647,819	303,201	95%
ST1207	Reedy Creek Road Improvements	15,857,036	11,158,653	4,698,383	70%
ST1208	Walnut Street Improvements	5,521,774	5,203,937	317,837	94%
ST1210	Sidewalk Improvements - FY 2012	500,000	500,000	-	100%
ST1217	Traffic Signals - FY 2012	200,000	200,000	-	100%
ST1220	Morrisville Parkway Interchange	3,121,717	2,358,003	763,714	76%
ST1223	Sidewalk Improvements - FY 2013	500,000	488,020	11,980	98%
ST1226	Traffic Signals - FY 2013	250,000	217,817	32,183	87%
ST1231	Cary Pkwy and High House Road Intersection	4,970,089	4,398,159	571,930	88%
ST1237	Intersection Improvements - Reduce Congestion	4,813,515	4,080,997	732,518	85%
ST1240	Sidewalks - 2012 Bond	1,832,000	277,134	1,554,866	15%
ST1241	Bicycle Facility Improvements - 2012 Bond	975,700	777,918	197,782	80%
ST1244	Sidewalk Improvements - FY 2015	600,000	594,292	5,708	99%
ST1245	Lake Pine Widening and Sidewalk Improvements	633,000	133,000	500,000	21%
ST1246	Spot Improvements - Based on Levels of Service - FY2015	250,000	143,584	106,417	57%
ST1247	Traffic Signals - FY 2015	250,000	199,894	50,106	80%

Project Number	Project Name	Appropriations to Date	Expenditures to Date	Balance to Date	Percent Spent
<b>TRANSPORTATION PROJECTS (Continued)</b>					
ST1248	Morrisville Pkwy Interchange - NCTA	5,100,000	10,295	5,089,705	0%
ST1251	Intersection Improvements - FY 2016	1,000,000	837,647	162,353	84%
ST1252	Morrisville Pkwy - Carpenter Upchurch Road Intersection	1,264,310	1,144,533	119,777	91%
ST1253	Sidewalk and Pedestrian Improvements - FY 2016	780,000	779,270	730	100%
ST1259	Intersection Improvements - FY 2017	3,250,000	417,794	2,832,206	13%
ST1260	Sidewalk Improvements - FY 2017	1,218,000	1,170,854	47,146	96%
ST1261	Street Improvements - FY 2017	6,927,000	6,883,798	43,202	99%
ST1262	Aviation Pkwy Sidewalk - NE Quad. at I-40 Interchange	56,000	50,000	6,000	89%
ST1264	GoCary ADA Bus Stop Improvements	2,725,185	1,043,077	1,682,108	38%
ST1265	GoCary Bus Stop Sign Replacement	43,000	20,281	22,719	47%
ST1266	GoCary Capital Amenities	300,000	23,834	276,166	8%
ST1267	GoCary Regional Operations and Maintenance Facility	20,800,000	590,069	20,209,931	3%
ST1268	Sidewalk and Pedestrian Improvements	1,070,000	146,409	923,591	14%
ST1269	Spot Improvements - FY 2018	225,000	99,624	125,376	44%
ST1270	Street Improvement Project	6,500,000	6,459,623	40,377	99%
ST1271	Traffic Signals - FY 2018	400,000	382,591	17,409	96%
ST1272	Bridge and Culvert Repairs - FY 2018	85,000	-	85,000	0%
ST1273	Carpenter Fire Station Road Widening	12,883,500	987,353	11,896,147	8%
ST1274	Transit Feasibility Studies	600,000	590,914	9,086	98%
ST1275	Bicycle Facilities Implementation - FY 2019	25,000	16,108	8,892	64%
ST1276	GoCary Multimodal Station	4,000,000	-	4,000,000	0%
ST1277	GoCary Wayfinding Signage	200,000	20,192	179,808	10%
ST1278	Sidewalk & Pedestrian Improvements - FY 2019	1,750,000	649,736	1,100,264	37%
ST1279	Traffic Signal System Control Upgrades	2,000,000	-	2,000,000	0%
ST1280	Street Improvements - FY 2019	7,100,000	7,099,999	1	100%
ST1281	Spot Improvements - FY 2019	150,000	-	150,000	0%
ST1282	Thoroughfare Street Lights - FY 2019	200,000	19,044	180,956	10%
ST1283	Chapel Hill Road Feasibility Study (Maynard to Maynard)	300,000	250,000	50,000	83%
ST1284	GoCary Bus Stop Solar Lighting Upgrades	345,000	57,325	287,675	17%
ST1285	GoCary New Fare Technology	500,000	104,707	395,293	21%
ST1286	GoCary Transfer Center Improvements	55,000	-	55,000	0%
ST1287	Louis Stephens Road Extension Enhancements	140,000	76,925	63,075	55%
ST1288	Schools - Street Improvement Reimbursements	3,750,000	341,402	3,408,598	9%
ST1289	Signal System - Camera Coverage Expansion	140,000	103,031	36,969	74%
ST1290	Chapel Hill Road - Land Acquisition	1,000,000	894,273	105,727	89%
ST1291	NCDOT Betterments (NC540)	7,000,000	-	7,000,000	0%
ST1292	Fenton - Quinard Drive Right of Way (ROW)	1,300,000	-	1,300,000	0%
ST2500	*FENTON - Streets	-	-	-	0%
ST3100	Intersection Improvements	1,550,000	516,160	1,033,840	33%
ST3200	Sidewalk & Pedestrian Improvements	3,500,000	-	3,500,000	0%
ST3300	Spot Improvements - Based on Levels of Service	250,000	-	250,000	0%
ST3301	McCrimmon Parkway & Highcroft Road	250,000	-	250,000	0%
ST3400	Street Improvement Project	7,100,000	-	7,100,000	0%
ST3401	Street Improvement - FY2020	7,389,000	7,103,085	285,915	96%
ST3500	Traffic Signalization	900,000	-	900,000	0%
ST3501	Signal Kildaire Farm Road at WakeTech	150,000	-	150,000	0%
ST3502	Signal Green Level Church at Green Hope School Road	150,000	-	150,000	0%
ST6000	STM - Storm Drainage - MAIN	636,835	-	636,835	0%
ST6035	STM - Vinecrest Court	319,000	64,100	254,900	20%
ST6039	STM - Kilarney 1600B	25,000	-	25,000	0%
ST6040	STM - Two Creeks	1,050,000	1,013,826	36,174	97%
ST6041	STM - Arbor Brook	563,000	382,162	180,838	68%
ST6042	STM - Pamlico SCM Easement	3,400	2,430	970	71%
ST6043	STM - Crabtree Crossing Pkwy	40,000	-	40,000	0%
ST6044	STM - Upchurch Meadow	20,000	9,866	10,134	49%
ST6045	STM - Branniff / Chevis	125,000	117,516	7,484	94%
	<b>TOTAL TRANSPORTATION PROJECTS</b>	<b>223,479,053</b>	<b>132,040,054</b>	<b>91,438,999</b>	<b>59%</b>

**SEWER PROJECTS**

Project Number	Project Name	Appropriations to Date	Expenditures to Date	Balance to Date	Percent Spent
SW1121	Wastewater SCADA	1,266,694	1,179,313	87,381	93%
SW1123	WWRWMF - New Water Reclamation Facility	136,678,379	136,574,966	103,413	100%
SW1143	WWRWMF - Western Cary Pump Station Upgrades	11,279,482	9,488,070	1,791,412	84%
SW1146	WWRWMF - Beaver Creek Pump Station	19,623,938	16,366,928	3,257,010	83%
SW1156	Force Main Inspection & Rehabilitation - FY 2008	3,600,000	3,102,611	497,389	86%
SW1171	Swift Creek Regional Pump Station Improvements	1,590,000	1,424,142	165,858	90%
SW1175	Wastewater Pump Station Improvements	1,794,014	1,774,014	20,000	99%
SW1176	Wastewater Pump Station Parallel Force Main	7,154,548	5,302,842	1,851,706	74%
SW1177	TCAP - Streetscape Sewer Upgrades	767,383	732,572	34,811	95%
SW1184	Carystone Pump Station Elimination	410,000	58,686	351,314	14%
SW1191	Paramount Pump Station Elimination	1,210,000	297,286	912,714	25%
SW1202	Force Main Inspection and Rehabilitation - FY 2010	2,500,000	735,339	1,764,661	29%
SW1203	Cleaning and Video Surveying of Sewer Interceptors	3,984,500	3,444,757	539,743	86%
SW1217	SCWRF - Headworks Upgrades	525,000	507,772	17,228	97%
SW1251	SCWRF - Demolition of Lagoons	325,000	89,893	235,107	28%
SW1257	Blanche Drive Sewer Improvements	175,000	2,580	172,420	1%
SW1263	NCWRF - SCADA Conversion	1,048,811	1,048,810	1	100%
SW1264	Sewer Flow Management Modeling	700,000	499,965	200,035	71%
SW1266	SCWRF - Facility Improvements	435,000	324,906	110,094	75%
SW1269	Jack Branch Interceptor	1,150,000	6,940	1,143,060	1%
SW1276	Reclaimed Water Blowoff Metering	210,000	208,207	1,793	99%
SW1280	SCWRF - Aeration Basin and Air Header Repairs	425,000	184,170	240,830	43%
SW1284	Winding Pine Regional Pump Station, Gravity Sewer & Force Main	16,300,000	1,225,816	15,074,184	8%
SW1287	Terrace II Pump Station Elimination	250,000	11,572	238,428	5%
SW1290	NCWRF - Diffused Air System	18,474,415	17,348,911	1,125,504	94%
SW1291	NCWRF - Clarifier Equipment Repair and Replacement	550,000	367,428	182,572	67%
SW1292	NCWRF - Diffuser and Air Piping Replacement	500,000	324,238	175,762	65%
SW1295	NCWRF - Variable Frequency Drive Replacement	46,774	46,773	1	100%
SW1296	Pump Station Variable Frequency Drive Replacement	500,000	207,518	292,482	42%
SW1301	SCWRF - Dryer - Dewatered Cake Pump	225,000	122,383	102,617	54%
SW1302	SCWRF - Dryer - Drum Replacement	1,200,000	249,500	950,500	21%
SW1303	Sewer System Repair/Rehabilitation - FY 2016	2,730,407	2,606,415	123,992	95%
SW1308	RDU Center Pump Station Force Main Replacements	1,570,000	1,534,279	35,721	98%
SW1311	SCWRF - Clarifier Equipment Replacement	500,000	347,733	152,267	70%
SW1312	SCWRF - Generator Auto Transfer Switch Replacement	140,000	25,000	115,000	18%
SW1314	SCWRF - Biosolids Dryer - Mixer Repair	100,000	100,032	(32)	100%
SW1315	SCWRF - Biosolids Dryer - Induction Fan Replacements	5,985,982	5,968,500	17,482	100%
SW1319	Wastewater Pump Station Improvements - FY 2017	604,213	604,213	-	100%
SW1320	Wastewater Pump Station Parallel Force Main - FY2017	6,370,452	781,716	5,588,736	12%
SW1321	Heavy Equipment Replacement - Sewer	2,570,000	1,864,870	705,130	73%
SW1322	I-40 Pump Station Improvements	300,000	257,930	42,070	86%
SW1323	KCPS & MBRPS Parallel Force Main Green Level Church	2,800,000	278,100	2,521,900	10%
SW1325	NCWRF - Improvements for Continuous 3-Train Operations	50,000	12,956	37,044	26%
SW1326	Reclaimed Water Line Oversizing - FY 2018	167,475	-	167,475	0%
SW1327	Sanitary Sewer Oversizings - FY 2018	195,000	63,618	131,382	33%
SW1329	SCWRF - Aeration Basin Recycling Pump Replacement	240,000	79,980	160,020	33%
SW1330	SCWRF - Peak Flow Management Study	150,000	-	150,000	0%
SW1331	SCWRF - Gravity Belt Rehabilitation	150,000	88,852	61,148	59%
SW1333	SCWRF - Variable Frequency Drive Replacement	400,000	12,709	387,291	3%
SW1334	Sewer System Replacement/Rehabilitation - FY 2018	5,428,112	4,798,984	629,128	88%
SW1335	Wastewater System Master Plan Update	250,000	94,831	155,169	38%
SW1336	Misc. Pump Station Grinder Rebuild - FY 2018	150,000	134,602	15,398	90%
SW1337	Sewer Monitoring - Bloomberg Grant	100,000	98,909	1,091	99%
SW1338	Reclaimed Water Main Extensions - FY 2018	147,746	-	147,746	0%
SW1339	Green Level Sewer Interceptor Odor Control	600,000	-	600,000	0%
SW1340	Infrastructure GIS Asset Data - Wastewater	658,000	258,150	399,850	39%
SW1341	Morris Carpenter Road Reclaimed Water Line	914,000	-	914,000	0%
SW1342	Reclaimed Water Line Oversizings - FY 2019	175,849	-	175,849	0%
SW1343	Roof Assessments & Rehabilitation - Sewer	120,000	103,872	16,128	87%
SW1344	Sanitary Sewer Oversizings - FY 2019	200,000	-	200,000	0%
SW1345	SCADA Tier II Wastewater Pump Station	750,000	249,800	500,200	33%
SW1346	SCWRF - Plant Drain Pimp Station Improvements	125,000	-	125,000	0%
SW1347	SCWRF - Polish Pond Liner Replacement	250,000	-	250,000	0%
SW1349	Wastewater Pump Station Improvements	750,000	700,000	50,000	93%

Project Number	Project Name	Appropriations to Date	Expenditures to Date	Balance to Date	Percent Spent
<b>SEWER PROJECTS (Continued)</b>					
SW1350	Wastewater Pump Station Parallel Force Mains - FY 2019	2,900,000	-	2,900,000	0%
SW1351	West Cary Pump Station Dumpster Enclosure	75,000	-	75,000	0%
SW1352	WWRWRF - Beaver Creek Dumpster & Bar Screen	825,000	215,300	609,700	26%
SW1353	NCWRF - HVAC Replacements - FY 2019	30,000	14,340	15,660	48%
SW1354	Crabtree Interceptor Parallel	75,000	-	75,000	0%
SW1355	NCWRF - Underground Fuel Storage Closeout & Above Ground Tank Installation	200,000	200,000	-	100%
SW1356	SCWRF - Replace Dust Bagger with Wet Scrubber	100,000	-	100,000	0%
SW1357	SCWRF - Underground Fuel Storage Closeout & Above Ground Tank Installation	200,000	200,000	-	100%
SW1358	West Cary & Beaver Creek Pump Station Piping Evaluation	200,000	-	200,000	0%
SW1359	West Cary Northern Force Main Conversion to Reclaimed Water	1,000,000	-	1,000,000	0%
SW2500	*FENTON - Sewer	-	7,063	(7,063)	100%
SW3100	Reclaim Water Main Extensions	318,022	-	318,022	0%
SW3200	Reclaimed Water Line Oversizings	378,516	-	378,516	0%
SW3300	Roof Assessments & Rehabilitation - Sewer	45,000	-	45,000	0%
SW3400	Sanitary Sewer Oversizings	415,000	-	415,000	0%
SW3500	Sewer System Repair / Rehabilitation	12,000,000	-	12,000,000	0%
	<b>TOTAL SEWER PROJECTS</b>	<b>289,302,712</b>	<b>224,961,659</b>	<b>64,341,053</b>	<b>78%</b>

**WATER PROJECTS**

Project Number	Project Name	Appropriations to Date	Expenditures to Date	Balance to Date	Percent Spent
WT1097	NC55 Water Line Extension - Phase II	2,337,000	2,331,797	5,203	100%
WT1129	Green Level West Road Water Line - Phase I	3,571,000	3,359,169	211,831	94%
WT1142	Wimberly Road Water Line	4,306,000	3,997,812	308,188	93%
WT1148	CAWTF - Phase III Expansion and Improvements - 56 MGD	78,375,000	77,513,127	861,873	99%
WT1161	Cary Parkway SW Water Line Reinforcement	3,650,000	859,369	2,790,631	24%
WT1163	CAWTF - Lake Aeration Mixing System	4,876,000	4,846,577	29,424	99%
WT1166	Holt Road to Davis Drive Waterline Connection	2,340,000	2,340,000	-	100%
WT1171	CAWTF - NC540 Water Line Conflicts	4,606,460	4,527,112	79,348	98%
WT1172	Old Apex Road Waterline Reinforcement	2,694,000	458,377	2,235,623	17%
WT1177	Jordan Lake Partnership	407,500	214,516	192,984	53%
WT1178	Jenks Carpenter Road - Holt Road Water Line Reinforcement	4,428,000	409,762	4,018,238	9%
WT1189	Western Cary Water Storage Tank	9,310,000	9,037,930	272,070	97%
WT1191	Water Main Condition Assessment Program	425,000	146,235	278,765	34%
WT1194	CAWTF - Raw Water Pipeline	22,250,000	21,202,908	1,047,092	95%
WT1195	Cary/Raleigh Water System Interconnection	1,463,000	1,417,323	45,677	97%
WT1212	Green Level West Water Line - Phase III	2,400,000	2,276,840	123,161	95%
WT1214	Kilmayne Water Storage Tank	7,600,000	7,552,330	47,670	99%
WT1216	Plumtree Tank Modifications	2,275,000	2,178,743	96,257	96%
WT1221	CAWTF - Residual Transfer Pump Replacements	400,000	400,000	-	100%
WT1223	Kit Creek Road Water Line Connection	1,075,000	72,247	1,002,753	7%
WT1228	Aquastar - Additional Infrastructure	125,000	-	125,000	0%
WT1231	CAWTF - Clearwell Repainting	175,000	163,585	11,415	93%
WT1233	Remote Water System SCADA Upgrades	150,000	171,920	(21,920)	115%
WT1239	CAWTF - Jordan Lake Capacity Allocation	655,743	576,323	79,420	88%
WT1241	CAWTF - Process Basin Rehabilitation	2,100,000	1,430,394	669,606	68%
WT1242	Crossroads Storage Tank and Pump Station	5,600,000	1,674,488	3,925,512	30%
WT1243	Water Main Extension - FY 2016	302,777	302,777	-	100%
WT1244	Holly Brook Water Line	2,076,439	1,964,168	112,271	95%
WT1245	Kildaire Farm Water Line Reinforcement Central	10,700,000	1,983,847	8,716,153	19%
WT1247	Water Line Upgrades - FY 2016	5,000,000	4,999,965	35	100%
WT1251	Water System Valve Replacements - FY 2016	125,000	21,933	103,067	18%
WT1255	Cary-Apex-Holly Springs Interconnection	15,000	-	15,000	0%
WT1257	Davis Drive Booster Pump Station Modifications	125,000	-	125,000	0%
WT1259	Water Main Extensions - FY 2017	306,216	306,216	-	100%
WT1265	Water Line Upgrades - FY 2017	5,000,000	5,000,000	-	100%
WT1269	CAWTF - Filter Pipe Gallery Piping Removal	150,000	-	150,000	0%
WT1270	CAWTF - Laboratory Information Management System	175,000	125,493	49,507	72%

Project Number	Project Name	Appropriations to Date	Expenditures to Date	Balance to Date	Percent Spent
<b>WATER PROJECTS (Continued)</b>					
WT1272	CAWTF - Surge Tanks	920,000	877,000	43,000	95%
WT1273	CAWTF - Water System Radio Software and Antennas	400,000	-	400,000	0%
WT1274	Extend Water Mains - FY 2018	302,447	302,447	-	100%
WT1275	Heavy Equipment Replacement - Water	580,000	365,362	214,638	63%
WT1276	Infrastructure GIS Asset Data - Water	600,000	341,190	258,810	57%
WT1278	Maynard Road Water Line Reinforcement - SW - Phase II	2,020,000	244,802	1,775,198	12%
WT1279	Morrisville Parkway Water Line Connections	850,000	24,046	825,954	3%
WT1280	NCDOT I-40 and Aviation Pkwy Water Line Relocation	350,000	350,000	-	100%
WT1282	Upgrade Water Lines - FY 2018	5,000,000	5,000,000	-	100%
WT1283	Water Line Oversizings - FY 2018	160,000	104,396	55,604	65%
WT1284	White Oak Church Road Water Line	950,000	109,515	840,485	12%
WT1286	Water System Valve Replacements - FY 2018	125,000	2,407	122,593	2%
WT1287	Water System Master Plan	350,000	-	350,000	0%
WT1288	NC540/Morrisville Pkwy Water Line	750,000	604,478	145,522	81%
WT1289	CAWTF - Future Expansion	700,000	568,559	131,441	81%
WT1290	CAWTF - Heavy Equipment Replacement	270,000	248,440	21,560	92%
WT1292	CAWTF - Generator Switchgear Upgrades	250,000	146,141	103,859	58%
WT1293	CAWTF - Security Upgrades	250,000	99,221	150,779	40%
WT1294	Water Main Extensions & Valve Replacements - FY 2019	801,310	395,327	405,983	49%
WT1295	Louis Stephens Drive Water Line Extensions	1,100,000	368,506	731,494	34%
WT1296	Roof Assessments & Rehabilitation - Water	85,000	60,482	24,518	71%
WT1297	Stephenson Road & TenTen Road Water Line West	700,000	-	700,000	0%
WT1298	Water Line Upgrades - FY 2019	5,000,000	4,842,854	157,146	97%
WT1299	Water Line Oversizings - FY 2019	168,000	-	168,000	0%
WT1300	Optimist Farm Rd Water Line - West	578,000	-	578,000	0%
WT1301	Carpenter Elevated Water Tank Repainting	900,000	136,035	763,965	15%
WT1302	CAWTF - Raw Water Pump Station Activated Carbon Feed Pump	250,000	-	250,000	0%
WT1303	CAWTF - Caustic Tank Replacements	600,000	-	600,000	0%
WT1304	CAWTF - Ozone Generator Replacements	4,000,000	464,600	3,535,400	12%
WT1306	CAWTF - Chemical Feed & Biofiltration	1,000,000	-	1,000,000	0%
WT1307	Holly Springs Road Hydrants & Automatic Flushers	100,000	-	100,000	0%
WT1308	Southern Triangle Expressway Water Line Conflicts	1,000,000	539,564	460,437	54%
WT1310	NCDOT/Airport Blvd Water Line Relocations	1,500,000	1,493,501	6,499	100%
WT2500	*FENTON - Water	-	8,508	(8,508)	100%
WT3100	Water Main Extensions & Relocations	1,600,000	-	1,600,000	0%
WT3200	CAWTF - Roof Assessments & Rehabilitation	70,000	-	70,000	0%
WT3300	Water Line Upgrades	5,616,077	309	5,615,768	0%
WT3301	Water Main Replacements - FY2021	835,970	835,907	63	100%
WT3302	Water Main Replacements - FY2020	3,547,953	3,465,952	82,001	98%
WT3400	Water Line Oversizings	361,000	-	361,000	0%
WT3500	Water System Valve Replacements	250,000	-	250,000	0%
<b>TOTAL WATER PROJECTS</b>		<b>236,460,892</b>	<b>185,862,830</b>	<b>50,598,062</b>	<b>79%</b>

# PROJECTS CLOSED OR PENDING CLOSURE AS OF JUNE 30, 2020

## ESTIMATED FINAL

### PROJECT # PROJECT COST PROJECT DESCRIPTION

#### DOWNTOWN PROJECTS

DT1133	\$9,070	DT - Downtown Façade Assistance
DT1137	17,900	DT - Mayton House Fee Proposal
DT1138	67,904	DT - Downtown Streetscape
DT1139	304,167	DT - Old Library Demolition
	<b>\$399,041</b>	<b>TOTAL CLOSED OR PENDING CLOSURE DOWNTOWN PROJECTS</b>

#### FIRE PROJECTS

FR1054	\$617,232	Fire Pumper Replacement
	<b>\$617,232</b>	<b>TOTAL CLOSED OR PENDING CLOSURE FIRE PROJECTS</b>

#### GENERAL GOVERNMENT PROJECTS

GG1119	\$130,001	PW Facilities Improvement - Phase 1 - Dixon
GG1143	47,527	Cary Green Program - NRW/Wells Fargo Grant
GG5001	142,823	Land - Miscellaneous Unassigned Expenditures
GG7019	14,164	STM - 910 Brookgreen
GG7020	14,572	STM - 1600 Kilarney
	<b>\$349,087</b>	<b>TOTAL CLOSED OR PENDING CLOSURE GENERAL GOVERNMENT PROJECTS</b>

#### PARKS, RECREATION AND CULTURAL RESOURCES (PRCR) PROJECTS

PR1146	\$96,669	Sertoma Amphitheater & Restroom Renovations
PR1158	160,579	PRCR Venue Wayfinding Signage
PR1197	139,231	Park and Greenway Renovation - FY 2014
PR1232	168,100	DT - Public Art - Parking Deck
PR1238	253,209	Greenway Resurfacing - FY 2017
PR1246	40,000	Public Art - Kids Together Misting Garden
PR1258	34,054	Public Art - Black Creek Greenway
PR1268	-	Swift Creek Greenway Construction
	<b>\$891,842</b>	<b>TOTAL CLOSED OR PENDING CLOSURE PRCR PROJECTS</b>

#### TRANSPORTATION PROJECTS

ST1239	\$2,454,859	Signal System - 2019 Bond
ST1249	500,000	Yates Store Road Through Montvale
	<b>\$2,954,859</b>	<b>TOTAL CLOSED OR PENDING CLOSURE TRANSPORTATION PROJECTS</b>

# PROJECTS CLOSED OR PENDING CLOSURE AS OF JUNE 30, 2020

## ESTIMATED FINAL

### PROJECT # PROJECT COST PROJECT DESCRIPTION

#### SEWER PROJECTS

SW1138	\$5,264,548	NW Area / Jordan Lake Reclaimed Water - Phase II
SW1223	101,453	Reclaimed Water Meter Extensions - FY12
SW1239	255,132	Upper Crabtree Pump Station & Force Main
SW1240	264,453	Walnut Creek Pump Station Check Valve
SW1241	105,720	Reclaimed Water Meter Extensions - FY13
SW1252	262,506	Force Main Easement Clearing
SW1254	614,297	NCWRF - Mixer Replacement
SW1260	1,399,869	Aviation Pump Station Upgrade & York Interceptor Basin Study
SW1286	125,187	Reclaimed Water Meter Extensions - FY16
SW1288	2,280,800	Hollybrook Sewer Extensions Phase 1-3
SW1300	174,913	SCWRF - Dryer - Centrifuge Rebuild
SW1305	134,010	Reclaimed Water Meter Extensions - FY17
SW1313	100,000	SCWRF - Dryer - Dewatered Cake Pump
SW1348	500,000	Sewer System Repair/Rehabilitation - FY 2019
SW1360	31,222	WWWRF - Carbon Replacement for Odor Control
SW1361	-	WWWRF - Solar Installation Study
	<b>\$11,614,110</b>	<b>TOTAL CLOSED OR PENDING CLOSURE SEWER PROJECTS</b>

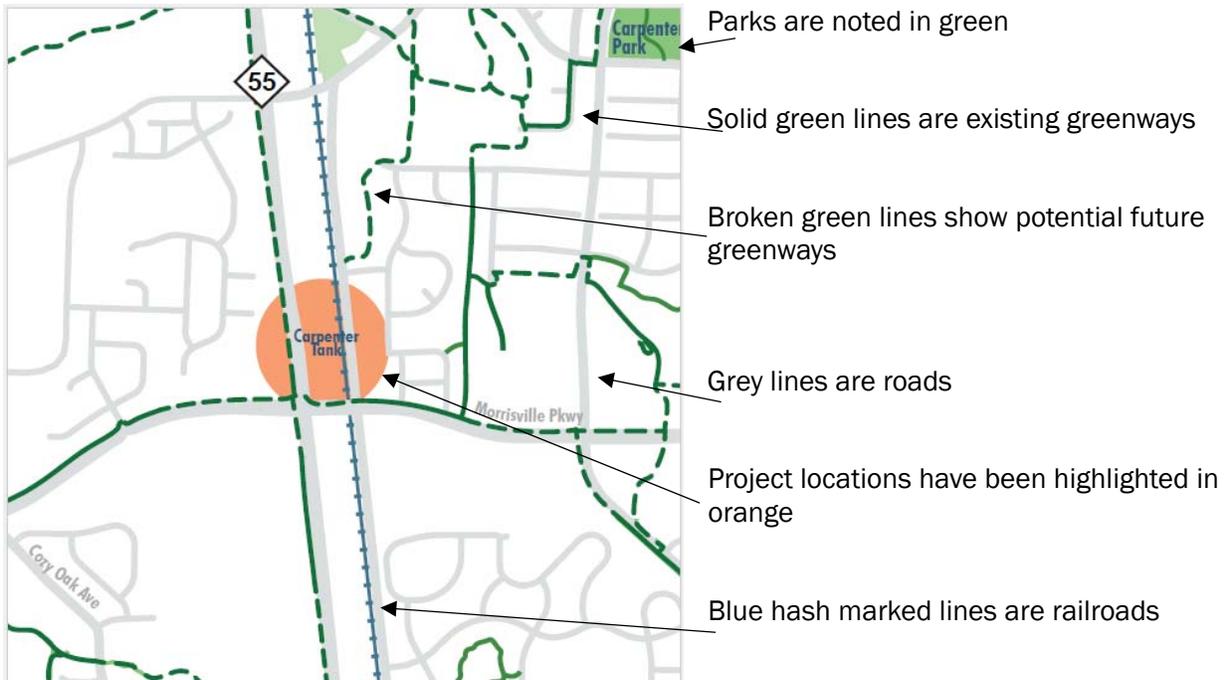
#### WATER PROJECTS

WT1157	\$839,068	TCAP - Streetscape Water Upgrades
WT1219	127,550	Water System Water Quality Enhancements
WT1238	30,000	CAWTF - Improvements - FY16
WT1249	447,967	Water Resources Master Plan
WT1250	296,539	Water System - Water Line Locating and Testing
WT1261	71,350	Towerview Court Water Line Connection
WT1286	2,407	Water System - Valve Replacements FY 2018
WT1277	32	Maynard Road Water Line Reinforcement - SE
WT1281	28,998	Tryon Road Water Line Upsizing
WT1305	-	CAWTF - Solar Installation Study
WT1309	-	Water System Interconnections - Mobile Pump
	<b>\$1,843,911</b>	<b>TOTAL CLOSED OR PENDING CLOSURE WATER PROJECTS</b>

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## GUIDE TO INTERPRETING PROJECT MAP FEATURES

The following pages include maps to assist readers with knowing where capital projects will take place. The first map provides the specific location. The second map is a more global view to show where the project is located within the Town of Cary. Common map features are pointed out on the example below.



# FISCAL YEAR 2021 GENERAL CAPITAL IMPROVEMENTS

## DOWNTOWN CAPITAL IMPROVEMENTS FUND

If utilizing this document in PDF, click on any item below to link to that information

A.	\$500,000	Downtown - Business Improvement District Development Fees
B.	250,000	Downtown Strategic Parking and Mobility Plan
C.	<u>200,000</u>	Rogers Alley Improvements
	<u><u>\$950,000</u></u>	<b>Total</b>

*In the following individual project description pages, the estimated personnel, operating and maintenance impacts are provided to show a more comprehensive view of each project. Some projects will be completed mid-year; the impact shown is for the first full year after the project is complete. Any impact that begins after FY 2021 has been adjusted for inflation in the outer years.*

*Inflation is conservatively factored in at 5% per year. Some projects do not show annual impacts although there may be minor maintenance investments at various intervals after project completion.*

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## A. DOWNTOWN

**PROJECT TITLE:** Downtown – BID Development Fees

**RESPONSIBLE DEPARTMENT:** Town Manager’s Office

**PROJECT FUNDING:** \$500,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

Town Council approved the creation of a Downtown Business Improvement District (BID) on June 28, 2012 to encourage downtown redevelopment. Appropriations through FY 2020 total \$1,050,399. Appropriations of \$500,000 are requested in FY 2021, 2022, 2023 bringing total project requests to \$2,550,399.

**PROJECT JUSTIFICATION:**

To advance the timing of potential private investment in the downtown core, the BID was established to mitigate development fees for new private development in the downtown area.

**PROJECT LOCATION:**

There is no location for this project.



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## B. DOWNTOWN

**PROJECT TITLE:** Downtown Strategic Parking and Mobility Plan

**RESPONSIBLE DEPARTMENT:** Town Manager's Office

**PROJECT FUNDING:** \$250,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project funds the study of downtown mobility opportunities.

**PROJECT JUSTIFICATION:**

The study will determine the need for and best placement of parking facilities and how to best incorporate and encourage other mobility options (walking, biking, etc.).

**PROJECT LOCATION:**

There is no location for this project.



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## C. DOWNTOWN

**PROJECT TITLE:** Rogers Alley Improvements

**RESPONSIBLE DEPARTMENT:** Town Manager's Office

**PROJECT FUNDING:** \$200,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



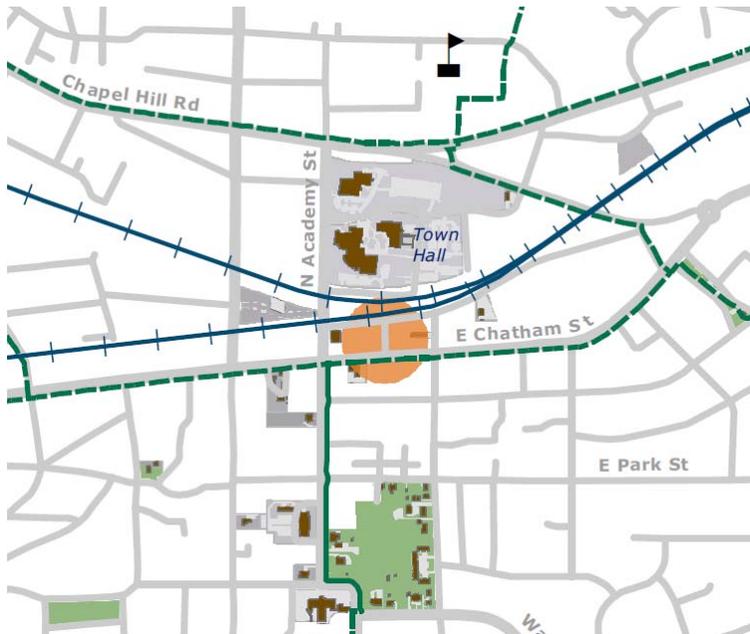
### PROJECT DESCRIPTION:

This project provides funding for improvements to Rogers Alley to complement street-front retail and office space development at the Rogers Building. The \$200,000 appropriated in FY 2021 is expected to fully fund this project.

### PROJECT JUSTIFICATION:

Improvements connected with this project include new, wider sidewalks to enhance the pedestrian experience and features that will also improve stormwater management.

### PROJECT LOCATION:



# FISCAL YEAR 2021 GENERAL CAPITAL IMPROVEMENTS

## FIRE CAPITAL IMPROVEMENTS FUND

If utilizing this document in PDF, click on any item below to link to that information

A.	\$100,000	Fire Station Rehabilitation
B.	<u>2,000,000</u>	Self Contained Breathing Apparatus (SCBA) Replacement
	<u><b>\$2,100,000</b></u>	<b>Total</b>

*In the following individual project description pages, the estimated personnel, operating and maintenance impacts are provided to show a more comprehensive view of each project. Some projects will be completed mid-year; the impact shown is for the first full year after the project is complete. Any impact that begins after FY 2021 has been adjusted for inflation in the outer years.*

*Inflation is conservatively factored in at 5% per year. Some projects do not show annual impacts although there may be minor maintenance investments at various intervals after project completion.*

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## A. FIRE

**PROJECT TITLE:** Fire Station Rehabilitation

**RESPONSIBLE DEPARTMENT:** Fire

**PROJECT FUNDING:** \$100,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



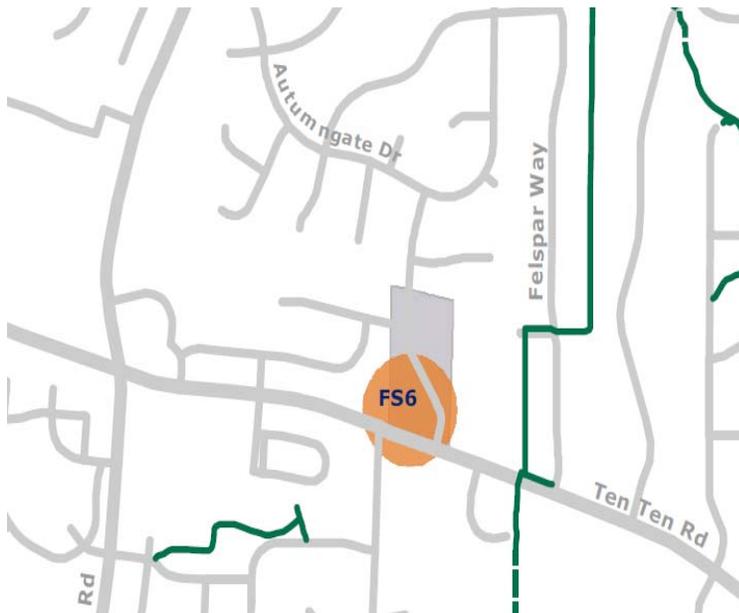
### PROJECT DESCRIPTION:

This project provides funds for major facility maintenance and upgrades to Cary's older fire stations. The FY 2020 capital improvements budget included \$182,000 for bathroom and/or kitchen renovations at stations 3, 4 and 5. The \$100,000 FY 2021 appropriation funds a facility assessment of Station 6 to identify major maintenance needs at that location. Future year funding needs will be identified based on the recommendations of this assessment.

### PROJECT JUSTIFICATION:

These fire stations range in age from 24 to 33 years and are at a point where significant maintenance is warranted to extend their useful life.

### PROJECT LOCATION:



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## B. FIRE

**PROJECT TITLE:** Self-Contained Breathing Apparatus (SCBA) Replacement

**RESPONSIBLE DEPARTMENT:** Fire

**PROJECT FUNDING:** \$2,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### **PROJECT DESCRIPTION:**

This project provides funds for the wholesale replacement of the department's SCBA, which will have met the end of their approved service life of the units per the National Fire Protection Association (NFPA) recommendation. The purchase of new breathing apparatus requires the purchase of new face pieces for each member as the face piece and breathing apparatus must be within the same year of standard.

The \$2,000,000 FY 2021 appropriation is expected to complete this project.

### **PROJECT JUSTIFICATION:**

Self-Contained Breathing Apparatus (SCBA) are supplied air respirators that provide respiratory protection while in atmospheres considered to be immediately dangerous to life and health. This includes building fires, confined space areas, hazardous material spills, as well as a variety of first responder activities. The SCBA includes a face piece, compressed air tank, and regulator valve.

### **PROJECT LOCATION:**

SCBA equipment will be distributed throughout Cary's fire stations.

## FISCAL YEAR 2021 GENERAL CAPITAL IMPROVEMENTS

### GENERAL GOVERNMENT CAPITAL IMPROVEMENTS FUND

If utilizing this document in PDF, click on any item below to link to that information

A.	\$1,000,000	ADA Improvements - Town Facilities
B.	300,000	AH - Housing Capital Projects
C.	7,000,000	Cary Indoor Sports Facility Potential Site Acquisition
D.	50,000	Downtown Rehabilitation and Façade Improvement Program
E.	5,000,000	Enterprise Resource Planning (ERP) Technology Platform Replacement - General
F.	200,000	Facility Long-Term Operations & Maintenance Plan
G.	85,000	Facility Painting Interior and Exterior
H.	100,000	Facility Security
I.	600,000	Heavy Duty Equipment Replacement - General
J.	500,000	Historic Preservation of Character Structures
K.	210,000	HVAC Replacements and Major Maintenance
L.	420,000	Internal Roads Resurfacing
M.	218,000	Internal Security
N.	90,000	Parking Lot Resurfacing and Renovations
O.	600,000	Police Evidence Room
P.	800,000	Roof Assessment and Rehabilitation Program - General
Q.	1,300,000	Salesforce Phase II
R.	1,000,000	Sanitation and Recycling Truck Replacement
S.	300,000	Storm Drainage Project - Private Assistance
T.	300,000	Storm Drainage Project - Town Properties
U.	800,000	Stormwater Condition Assessment and Rehabilitation Program
V.	500,000	Stormwater Open Space Planning
W.	200,000	Stormwater Sensors
X.	440,000	Town Hall Access Improvements and Office Space Modifications
Y.	800,000	Town Facility Wi-Fi
Z.	1,000,000	Western Cary Community Facility
	<b>\$23,813,000</b>	<b>Total</b>

*In the following individual project description pages, the estimated personnel, operating and maintenance impacts are provided to show a more comprehensive view of each project. Some projects will be completed mid-year; the impact shown is for the first full year after the project is complete. Any impact that begins after FY 2021 has been adjusted for inflation in the outer years.*

*Inflation is conservatively factored in at 5% per year. Some projects do not show annual impacts although there may be minor maintenance investments at various intervals after project completion.*

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## A. GENERAL GOVERNMENT

**PROJECT TITLE:** Americans with Disabilities Act (ADA) Improvements

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$1,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### **PROJECT DESCRIPTION:**

This project provides for accessibility modifications and improvements to Cary facilities as outlined in our ADA Transition Plan. A total of \$835,350 has been appropriated through FY 2019. The \$1,000,000 FY 2021 appropriation provides for continued implementation of corrective measures.

### **PROJECT JUSTIFICATION:**

This project originated from the completion of Cary's ADA Transition Plan that is a federal requirement for all state and local governments. The ADA Transition Plan identifies and prioritizes the removal of accessible barriers restricting access to Cary's supported programs and services. Over 120,000 accessible features were surveyed at 70 Town facilities and approximately 12,000 barriers were identified. Examples of the accessible barrier removal work include remounting existing bathroom accessories per building code compliance, repairing/replacing sidewalk sections, and regrading disabled parking spaces.

### **PROJECT LOCATION:**

This project will occur in various locations as needed.

---

## B. GENERAL GOVERNMENT

**PROJECT TITLE:** Affordable Housing – Owner Occupied Housing Rehabilitation

**RESPONSIBLE DEPARTMENT:** Town Manager’s Office

**PROJECT FUNDING:** \$300,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### **PROJECT DESCRIPTION:**

This program provides financial assistance to lower-income homeowners to maintain, repair or otherwise rehabilitate their single-family homes.

### **PROJECT JUSTIFICATION:**

Cary’s rehabilitation program concentrates on owner-occupied homes in need of repair to meet code requirements and to provide a clean and safe living environment for the occupants. Program funds may be utilized for rehabilitation expenses, including construction costs and certain associated costs for preparation of cost estimates, bids and monitoring of work. Priority is given to homes located within the Town Center area, and to homes owned by seniors but is available town-wide to homeowners meeting the program guidelines and income limits. After consideration of these priorities, applicants are selected on a first-come, first-served basis. Financial assistance is provided in the form of either a deferred payment loan that is forgiven after ten years or, to non-senior homeowners with incomes toward the higher end of the eligible income range, an amortizing loan requiring repayment. Funding generated by repayments to the housing rehabilitation program becomes available for future loans.

### **PROJECT LOCATION:**

This project will occur in various locations as needed.

---

## C. GENERAL GOVERNMENT

**PROJECT TITLE:** Cary Indoor Sports Facility Potential Site Acquisition

**RESPONSIBLE DEPARTMENT:** Parks, Recreation, and Cultural Resources

**PROJECT FUNDING:** \$7,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project supports potential site acquisition associated with the possible development of an indoor sports facility. If pursued, the facility would be located within the Eastern Cary Gateway, specifically within the Cary Towne Center redevelopment area.

**PROJECT JUSTIFICATION:**

While Cary is not currently pursuing site acquisition for a project of this nature, having funds available should an opportunity arise provides flexibility in both planning and decision-making.

**PROJECT LOCATION:**

A specific site or location has not yet been determined.



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## D. GENERAL GOVERNMENT

**PROJECT TITLE:** DT – Downtown Rehabilitation and Façade Improvement Program

**RESPONSIBLE DEPARTMENT:** Town Manager’s Office

**PROJECT FUNDING:** \$50,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

The downtown rehabilitation and façade improvement program is one of several incentives provided to small businesses in downtown Cary to stimulate private investment in the downtown area.

### PROJECT JUSTIFICATION:

Deferred loans of up to \$10,000 are provided per business front. Corner lots with significant or double façade exposure may qualify for an additional \$5,000. The deferred loan is provided in the form of a reimbursement of eligible costs incurred and is paid utilizing a construction draw process once the improvements have been completed, inspected and approved. The deferred loan is in effect for a minimum of three years. The principal and interest on the loan will be deferred each of the three years. Should the structure be changed or rebuilt during that three- year period, the prorated portion of the deferred loan is paid back to Cary. If no changes are made, the loan is forgiven at the end of the three-year period. Only certain types of improvements that meet the objectives of the program are eligible for funding. General maintenance items that do not improve the appearance of the business are not eligible.

### PROJECT LOCATION:

This project will occur in various locations as needed.

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## E. GENERAL GOVERNMENT

**PROJECT TITLE:** Enterprise Resource Platform (ERP)

**RESPONSIBLE DEPARTMENT:** Finance

**PROJECT FUNDING:** \$5,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** Operating costs will be identified at the point a specific product is selected.

**PROJECT DESCRIPTION:**

An ERP system manages all financial and human resources transactions/functions. These essential processes support core mission critical functions. Total project cost is \$6.5 million with \$5 million provided by the general fund and \$1.5 million from the utility fund.

**PROJECT JUSTIFICATION:**

Cary's existing ERP system has been in place for 30 years and has exceeded its useful life. Implementation of a new ERP will improve processes, automate high-volume and repetitive tasks and increase productivity. Selecting a system that interfaces with our Salesforce technology will also lead to enhanced reporting and data analysis capabilities.

**PROJECT LOCATION:**

There is no specific location associated with this project.



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## F. GENERAL GOVERNMENT

**PROJECT TITLE:** Facility Long-Term Operations and Maintenance Plan

**RESPONSIBLE DEPARTMENT:** Town Manager's Office

**PROJECT FUNDING:** \$200,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project provides funding to conduct facilities assessments that will provide an accurate picture of future capital funding needed to maintain our facilities. Total project cost is estimated at \$500,000 with \$150,000 appropriated to date. The \$200,000 FY2021 appropriation will continue to complete facility assessments of community centers, Jordan Hall, Cary Arts Center, and the Cary Theater. The FY 2022 funding request of \$150,000 will complete assessments of all facilities and provide long range operating and maintenance plans. Future requests may be added to reassess facilities to ensure long range capital planning for maintenance and repair is accurate.

**PROJECT JUSTIFICATION:**

These assessments will provide a 20-year capital expense matrix for facilities and identify associated facility system operational and maintenance (O&M) costs.

**PROJECT LOCATION:**

This project is associated with facilities located throughout Cary.



## G. GENERAL GOVERNMENT

**PROJECT TITLE:** Facility Painting Interior and Exterior

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$85,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This project supports a planned interior and exterior painting program for Town facilities. The \$85,000 FY 2021 appropriation provides for painting of the Cary Depot, Middle Creek School Park, Fire Station 1, and Fire Station 5.

### PROJECT JUSTIFICATION:

Quality care of painted surfaces is an important component of a sound facilities maintenance program. The correct type of paint, properly applied, provides an attractive environment, preserves the useful life of building components and aids in housekeeping. The useful life of painted surfaces varies widely based on how the facility is programmed. Painted surfaces should be evaluated every five years with an expectation of repainting every six to eight years.

### PROJECT LOCATION:

#### Cary Depot



#### Middle Creek School Park

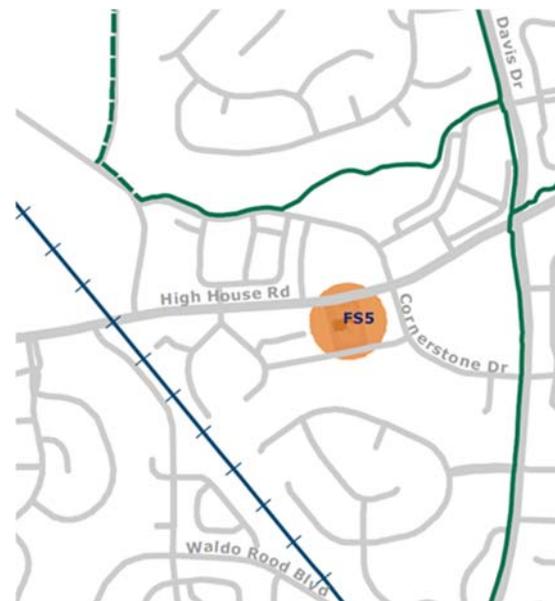


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Fire Station 1



Fire Station 5



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## H. GENERAL GOVERNMENT

**PROJECT TITLE:** Facility Security

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$100,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project provides for the installation of security improvements at Town facilities based upon consultant and staff recommendations. Improvements could include installation of security technology, workspace modifications, and point of entry adjustments. This project facilitates smaller, more immediate installations.

**PROJECT JUSTIFICATION:**

Proper security at Town facilities can help protect employees, assets, and ensure a better citizen experience.

**PROJECT LOCATION:**

Specific locations will be identified throughout the course of the fiscal year.



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## I. GENERAL GOVERNMENT

**PROJECT TITLE:** Heavy Equipment Replacement

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$600,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project supports a "pay-as-you-go" funding strategy that annually sets aside funding necessary for the replacement of heavy equipment.

**PROJECT JUSTIFICATION:**

Cary's Fleet Management staff evaluates existing heavy equipment annually and recommends replacement for equipment that has met its life expectancy based on years, hours, maintenance and repair. Replacements are identified according to factors such as schedule, useful life expectancy, repair history and condition review.

**PROJECT LOCATION:**

There is no specific location associated with this project.



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## J. GENERAL GOVERNMENT

**PROJECT TITLE:** Historic Preservation of Character Structures

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$500,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project provides funds for the preservation and/or rehabilitation needs of Cary-owned structures that are more than 50 years old and contribute significantly to the historical character of Cary.

**PROJECT JUSTIFICATION:**

Cary currently owns more than 20 structures at six sites located throughout Cary. These funds will be utilized for a variety of purposes including purchase of structures, relocation of structures, upfitting for a tenant or public use, and overall structural stabilization. Once a structure has a permanent use, it will no longer be eligible for funding from this project.

**PROJECT LOCATION:**

This project will occur at various locations as the need arises.



## K. GENERAL GOVERNMENT

**PROJECT TITLE:** HVAC Replacements and Major Maintenance

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$210,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

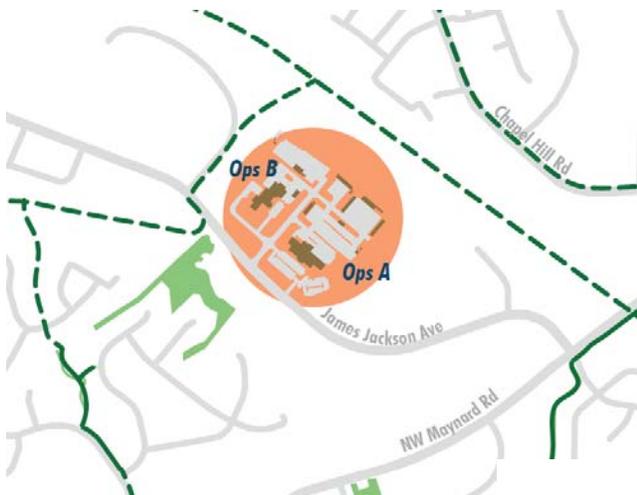
This project provides for scheduled HVAC replacements and major maintenance at Town facilities. The FY 2021 appropriation totaling \$210,000 provides for replacements and maintenance at Public Works Operations Building B and Bond Park Community Center (gymnasium units).

### PROJECT JUSTIFICATION:

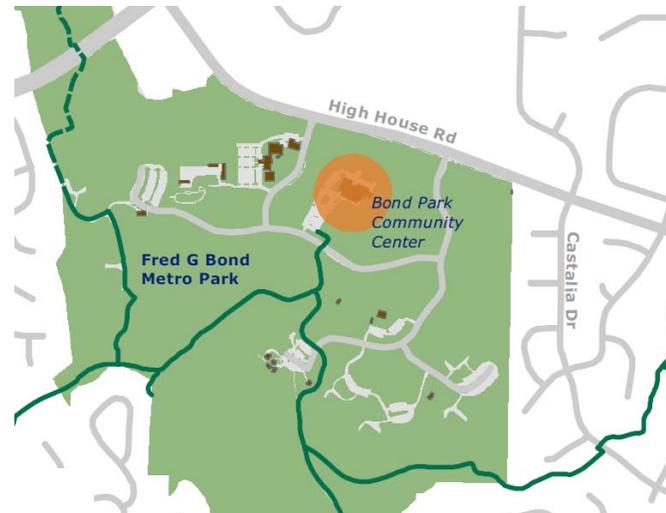
The replacement schedule was created based on useful life estimates for the equipment. As the time of replacement approaches, maintenance history and current performance are considered before determining if the unit may remain in service longer than anticipated or if replacement is indeed warranted. Routine maintenance and scheduled replacement of HVAC equipment is an important component of a well-managed facilities maintenance program. Planning for repairs and maintenance allows for better cost and efficiency management.

### PROJECT LOCATION:

#### Public Works Operations Building B



#### Bond Park



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## L. GENERAL GOVERNMENT

**PROJECT TITLE:** Internal Roads Resurfacing

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$420,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

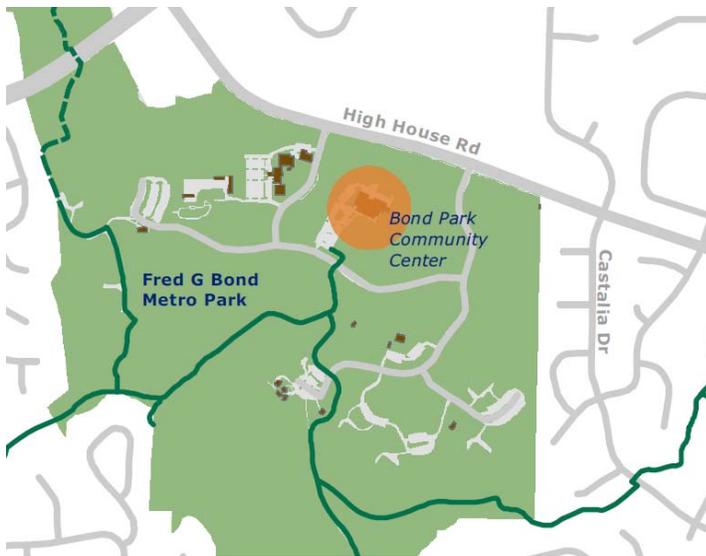
**PROJECT DESCRIPTION:**

The \$420,000 FY 2021 appropriation supports resurfacing internal roads at Bond Park.

**PROJECT JUSTIFICATION:**

This project provides for the maintenance of roads internal to Town facilities that are experiencing subsurface failures and/or aging asphalt. In some cases, asphalt may simply require a surface coating for protection and extended life rather than total resurfacing. This project complements the routine parking lot resurfacing will be coordinated with those projects whenever possible.

**PROJECT LOCATION:**



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## M. GENERAL GOVERNMENT

**PROJECT TITLE:** Internal Security

**RESPONSIBLE DEPARTMENT:** Marketing and Information Technology

**PROJECT FUNDING:** \$218,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project provides for purchase of security products to reinforce network monitoring, vulnerability management, and website security protections associated with the organization's information systems.

**PROJECT JUSTIFICATION:**

An internal security audit identified security enhancements beneficial to our organization's information systems. This project addresses those potential internal security vulnerabilities and further protects both Cary's and citizen data.

**PROJECT LOCATION:**

There is no specific location associated with this project.



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## N. GENERAL GOVERNMENT

**PROJECT TITLE:** Parking Lot Resurfacing

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$90,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

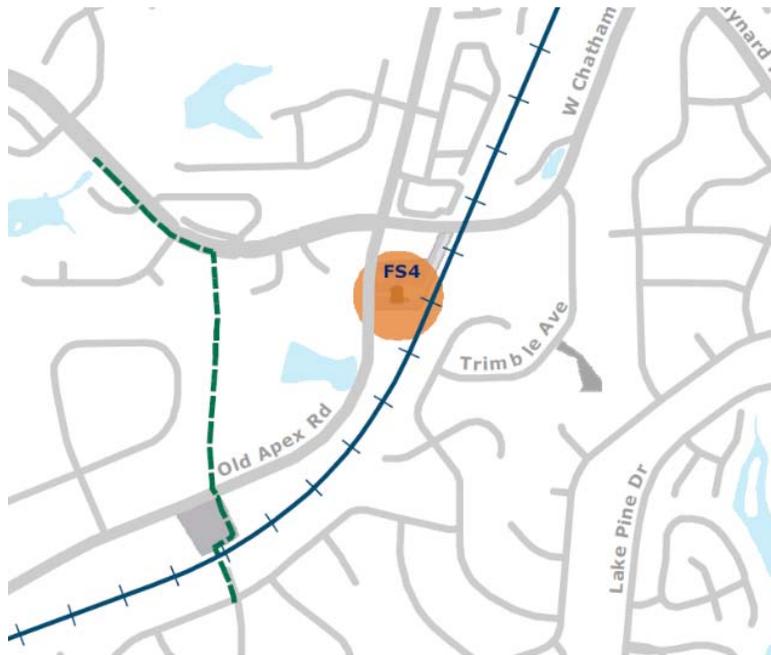
This project provides for the repair and restoration of Town-owned parking areas. The \$90,000 appropriated in FY 2021 supports parking surface renovations at fire stations 4, 5, 6, and 7.

### PROJECT JUSTIFICATION:

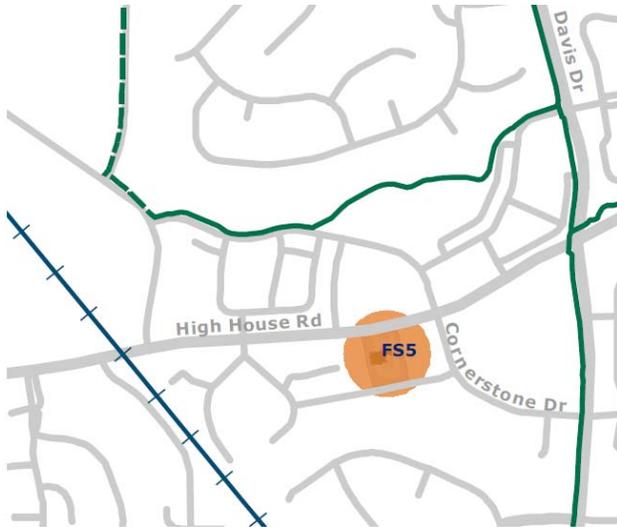
Parking areas are placed on a 10-year sealing schedule and a 20-year resurfacing schedule due to heavy use that causes significant wear. Upon inspection of the parking areas, resealing and minor repairs are recommended over resurfacing when appropriate. These repairs are coordinated with Cary's Americans with Disabilities Act (ADA) improvements to ensure that when a parking lot is addressed, all ADA needs are met.

### PROJECT LOCATION:

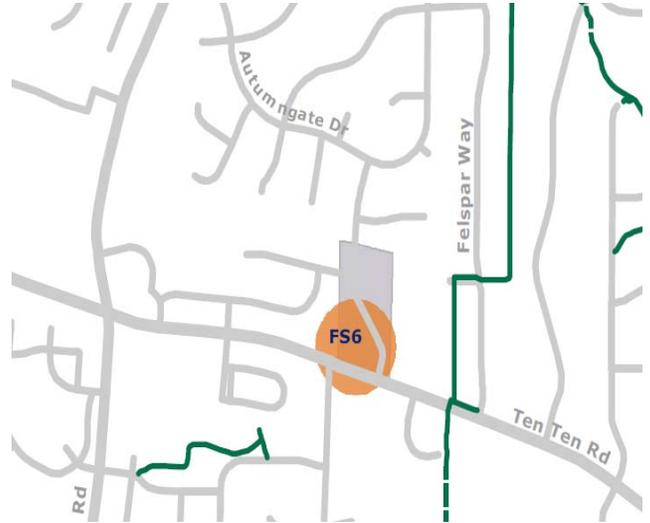
Fire Station 4



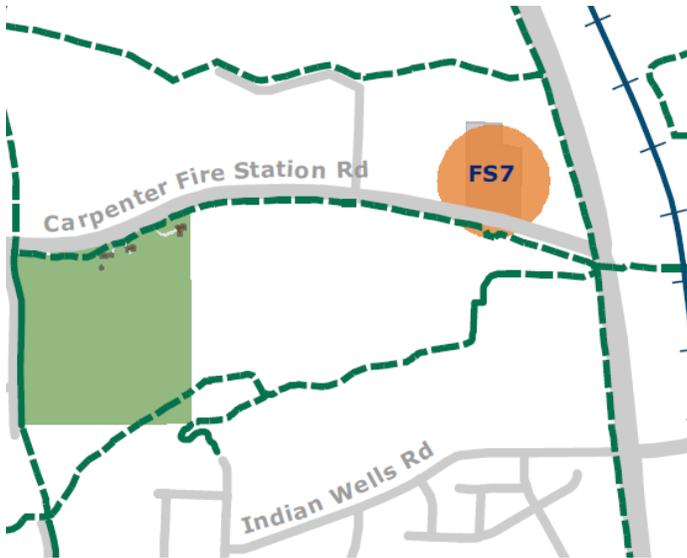
Fire Station 5



Fire Station 6



Fire Station 7



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## O. GENERAL GOVERNMENT

**PROJECT TITLE:** Police Evidence Room

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$600,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides for modifications within the Police Department facility that will provide additional storage capacity for evidence, which Cary is required to collect and maintain. The \$600,000 FY 2021 appropriation fully funds identified improvements.

### PROJECT JUSTIFICATION:

This project addresses a critical storage need by allowing the Police Department to accommodate approximately 7 – 10 years of growth by rehabilitating the non-viable basement area of the current facility and claiming that space for expansion and reconfiguration of evidence storage.

### PROJECT LOCATION:



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## P. GENERAL GOVERNMENT

**PROJECT TITLE:** Roof Assessment and Rehabilitation Program

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$800,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

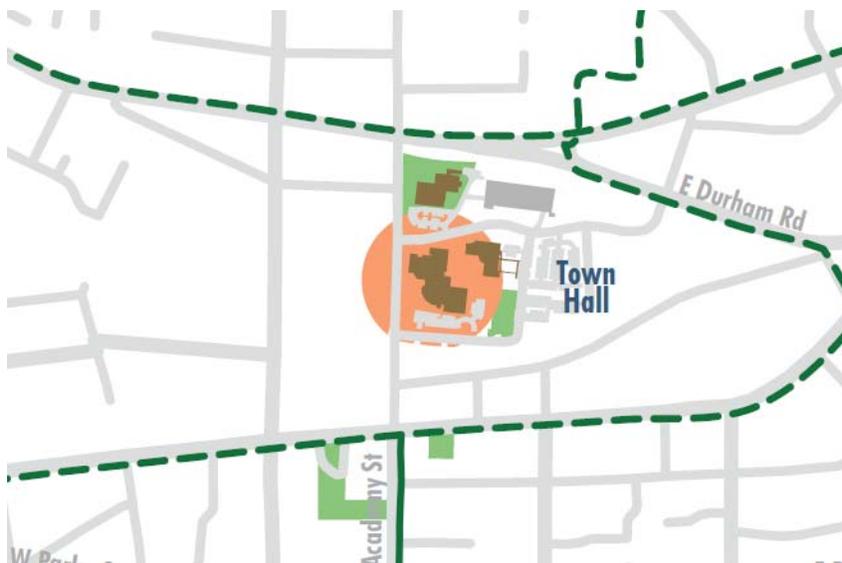
### PROJECT DESCRIPTION:

This project provides for the routine replacement and/or rehabilitation of Town facility roofs based on a comprehensive assessment. The \$800,000 FY 2021 appropriation provides for routine roof replacement/repair at Town Hall buildings A and B and the Council Chambers.

### PROJECT JUSTIFICATION:

Historically, roof replacement has occurred on a case by case basis as Cary's Public Works department identifies need. Having a comprehensive assessment allows Cary to proactively plan, identify and prioritize roof maintenance, repair, and rehabilitation rather than addressing it on an emergency basis. Prior planning also allows for the investigation of potential cost reducing approaches and helps ensure adequate funds are available to cover repair needs.

### PROJECT LOCATION:



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## Q. GENERAL GOVERNMENT

**PROJECT TITLE:** Salesforce Phase II

**RESPONSIBLE DEPARTMENT:** Parks, Recreation, and Cultural Resources

**PROJECT FUNDING:** \$1,300,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### **PROJECT DESCRIPTION:**

This project further develops the MyCary application to support Cary Teen Council, ticketed events, volunteer management, league management, and donation management functions. MyCary has been developed utilizing the Salesforce customer relationship management platform.

Total project cost is estimated at \$1,360,000. The FY 2021 appropriation supplies the majority of this funding with the remaining \$60,000 identified in FY 2022.

### **PROJECT JUSTIFICATION:**

Continuing to incorporate citizen-facing functions in our MyCary application emphasizes our commitment to serving our citizens in an efficient and practical manner.

### **PROJECT LOCATION:**

There is no location associated with this project.



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## R. GENERAL GOVERNMENT

**PROJECT TITLE:** Sanitation and Recycling Truck Replacement

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$1,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project supports a "pay-as-you-go" funding strategy that annually sets aside funding necessary for the replacement of sanitation and recycling vehicles as they are retired and for the addition of new routes/trucks.

**PROJECT JUSTIFICATION:**

Sanitation and recycling trucks are typically replaced every eight years. Cary's practice has been to budget the full amount for these replacements as the existing vehicles are retired. The approach of incrementally providing funds for these expenditures over the eight year life span of each vehicle smooths out the impact of replacements on the general fund.

**PROJECT LOCATION:**

There is no specific location associated with this project.



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## S. GENERAL GOVERNMENT

**PROJECT TITLE:** Storm Drainage Project – Private Assistance

**RESPONSIBLE DEPARTMENT:** Town Manager’s Office

**PROJECT FUNDING:** \$300,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

The Storm Drainage - Private Assistance project is a program through which private property owners may petition Cary for assistance in mitigating qualifying storm drainage issues on private property. Eligible assistance requests must be from Town of Cary property owners who have suffered structural flooding or major stream erosion due to storm drainage. Benefited property owners enter into an agreement with the Town prior to construction agreeing to pay for 50% of the project construction costs. The property owner must then pay this proportionate share in installments with the initial payment being due prior to beginning construction.

### PROJECT JUSTIFICATION:

This project is the result of Cary’s storm drainage Policy Statement 35 enacted by Town Council in May 2005 and revised on October 30, 2014. Benefits of this project include the ability to:

- reduce or eliminate risk to citizen safety due to stormwater issues.
- establish open space.
- improve water quality.
- reduce flooding.

### PROJECT LOCATION:

Exact locations for this project are undetermined at this time.

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## T. GENERAL GOVERNMENT

**PROJECT TITLE:** Storm Drainage Project – Town Properties

**RESPONSIBLE DEPARTMENT:** Town Manager’s Office

**PROJECT FUNDING:** \$300,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

The Storm Drainage – Town Properties project focuses on improving the storm drainage system in street rights of way and on Town properties. This program includes addressing undersized or broken culverts/storm drainpipes, flooding resulting from improperly sized culverts, broken storm drainpipes as well as a variety of issues encountered due to stormwater infrastructure impacting the Town right-of-way, other public property or private property adjacent to the Cary-maintained storm drainage system.

### PROJECT JUSTIFICATION:

Potential drainage improvement sites on Town properties are analyzed and prioritized annually. Town Council reviews and approves a list of improvement sites to be addressed each year using available funds from this capital project. This project is the result of Cary’s storm drainage Policy Statement 146 enacted by Town Council in May 2005 and revised on October 30, 2014. Benefits of this project include the ability to:

- stop structural flooding resulting from inadequate or malfunctioning Town infrastructure.
- reduce the risk of flood waters overtopping roads at culvert crossings.
- upgrade infrastructure to current standards.
- capture water from roadways prior to it causing structural flooding.

### PROJECT LOCATION:

Exact locations for this project are undetermined at this time.

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## U. GENERAL GOVERNMENT

**PROJECT TITLE:** Stormwater Condition Assessment and Rehabilitation Program

**RESPONSIBLE DEPARTMENT:** Town Manager's Office

**PROJECT FUNDING:** \$800,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

Cary's stormwater infrastructure database indicates there are approximately 22 miles of stormwater pipe that are more than 50 years old, of which roughly 74% are in the Cary's right of way. This project funds systematic testing and evaluation of Cary's culvert infrastructure.

### PROJECT JUSTIFICATION:

A general condition assessment of these culverts with respect to their geographic location, age, capacity analysis and evaluation of their remaining service life will enable staff to plan for the systematic replacement/rehabilitation of infrastructure utilizing rehabilitation technologies prior to structure failure.

### PROJECT LOCATION:

The condition assessment will focus on the Cary's entire stormwater management system.



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## V. GENERAL GOVERNMENT

**PROJECT TITLE:** Stormwater Open Space Planning

**RESPONSIBLE DEPARTMENT:** Town Manager's Office

**PROJECT FUNDING:** \$500,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

As part of Cary's ongoing adaptive environmental initiatives, open space acquisition in critical environmental areas has been identified as a key strategy in accomplishing multiple goals such as removing development from flood-prone areas and utilizing these areas for flood storage, recreation, and tree canopy restoration.

**PROJECT JUSTIFICATION:**

These efforts will accomplish a number of Town Council initiatives and provide ideal natural linear corridors for our citizens to enjoy.

**PROJECT LOCATION:**

Exact locations for this project are undetermined at this time.



## W. GENERAL GOVERNMENT

**PROJECT TITLE:** Stormwater Sensors

**RESPONSIBLE DEPARTMENT:** Town Manager's Office

**PROJECT FUNDING:** \$200,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



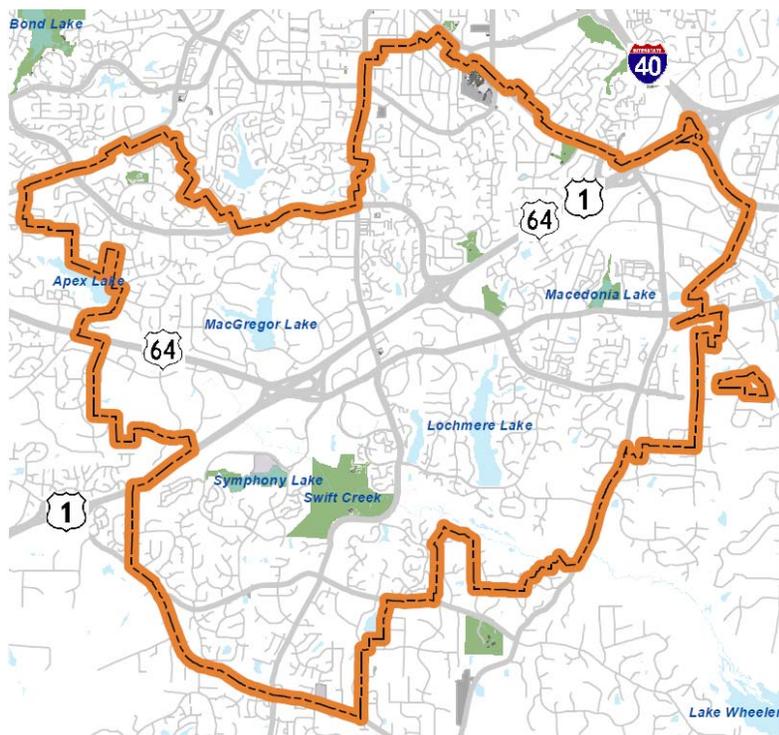
### PROJECT DESCRIPTION:

This project supports the installation of rain and stream gauges across Cary and their integration with other Town Internet of Things (IoT) and Smart Cities initiatives. The FY 2021 phase of the project includes expanding the network of rain and stream gauges into the Swift Creek basin and potentially the Crabtree basin.

### PROJECT JUSTIFICATION:

Cary has more than 300 miles of streams with 94 road-crossing culverts in defined floodplains. Each of these points is a potential location to collect data on stream level in real time. Water level sensor technology is advancing at a rapid rate. The data collected can also be used to calibrate flood models and allow for predictive analysis is another component of a Smart City.

### PROJECT LOCATION:



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## X. GENERAL GOVERNMENT

**PROJECT TITLE:** Town Hall Access Improvements and Office Space Modifications

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$440,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

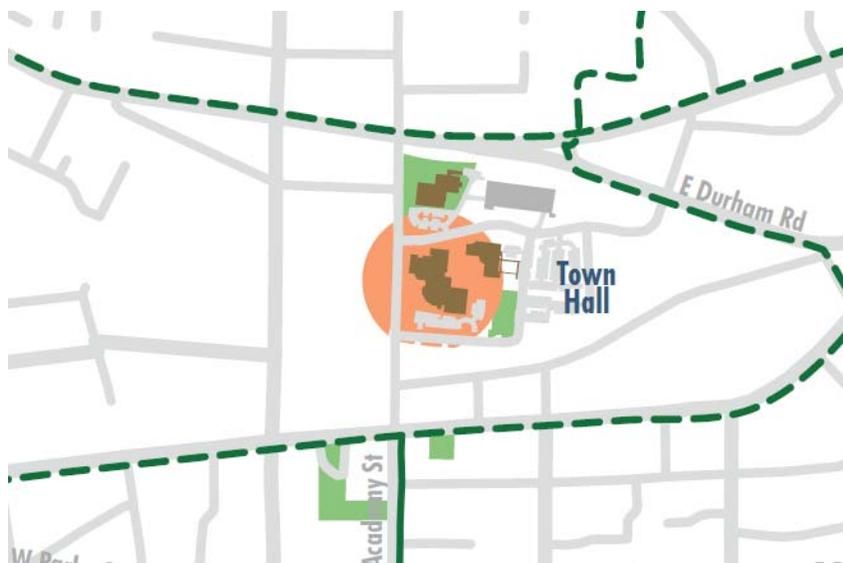
**PROJECT DESCRIPTION:**

This project provides funding for structural repairs to the pedestrian bridge located at the north entrance of Town Hall. The \$440,000 FY 2021 appropriation fully supports this work.

**PROJECT JUSTIFICATION:**

An assessment of this bridge indicated that substantial repairs are necessary to extend the useful life of this pedestrian bridge leading into Town Hall.

**PROJECT LOCATION:**



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## Y. GENERAL GOVERNMENT

**PROJECT TITLE:** Town Wi-Fi

**RESPONSIBLE DEPARTMENT:** Marketing and Information Technology

**PROJECT FUNDING:** \$800,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project provides for the expansion of Wi-Fi service to Town facilities that do not currently have the capability to access the internet wirelessly. These locations include community centers, sports venues, and fire stations.

**PROJECT JUSTIFICATION:**

This capability will improve staff and citizen access to Town services provided via the internet. In addition, it will allow staff to utilize adaptive technology solutions and increase staff efficiency and effectiveness.

**PROJECT LOCATION:**

This project will occur at various Town locations that do not currently have Wi-Fi access.



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## Z. GENERAL GOVERNMENT

**PROJECT TITLE:** Western Cary Community Facility

**RESPONSIBLE DEPARTMENT:** Parks, Recreation, and Cultural Resources

**PROJECT FUNDING:** \$1,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project provides for the development of a future Cary facility at a site or sites to be determined in the initial phase of this project. The \$1,000,000 FY 2021 appropriation funds a component needs assessment, as well as design planning for the entire facility. While full design and construction of this project could be phased, it is being comprehensively planned to best determine the long term needs of the community.

**PROJECT JUSTIFICATION:**

This facility incorporates an adaptive approach of consolidating a range of community facilities rather than constructing stand-alone structures.

**PROJECT LOCATION:**

This location for this project has not yet been determined.



# FISCAL YEAR 2021 GENERAL CAPITAL IMPROVEMENTS

## PARKS, RECREATION AND CULTURAL RESOURCES CAPITAL IMPROVEMENTS FUND

If utilizing this document in PDF, click on any item below to link to that information

A.	\$20,000	Athletic Field Fencing Amenities Replacement
B.	105,000	Athletic Field Fencing Repair / Replacement
C.	1,000,000	Black Creek Greenway - Phases I, II, and V
D.	8,900,000	Carpenter Fire Station Neighborhood Park
E.	29,500	Cary Arts Center Lighting for Glass Wall Maintenance
F.	770,000	Cary Tennis Park Repair & Maintenance - Court and Site
G.	110,000	Cary Tennis Park Repair & Maintenance - Structures
H.	250,000	Crabtree Creek Trail - Weston Parkway Crossing
I.	250,000	Greenway Pedestrian Structure Repair
J.	340,000	Greenway Resurfacing
K.	500,000	Higgins Greenway - Maynard to Downtown
L.	735,000	Koka Booth Amphitheatre Improvements
M.	6,100,000	McCrimmon Neighborhood Park
N.	400,000	Park Renovations
O.	85,000	Playground Surface Repairs / Replacement
P.	250,000	PRCR Audiovisual (AV) Equipment Replacement
Q.	25,000	Public Art - Park and Greenway Amenities
R.	25,000	Restroom Replacement
S.	200,000	Skate Park Improvements
T.	16,000	Tennis Court Renovations
U.	34,500	The Cary Marquee Lighting Maintenance
V.	40,000	USA Baseball Maintenance & Repair - Fields & Site
W.	250,000	USA Baseball Maintenance & Repair - Structures
X.	70,000	Veteran's Freedom Monument Lighting Maintenance
Y.	170,000	WakeMed Soccer Park Maintenance & Repair - Fields & Site
Z.	510,000	WakeMed Soccer Park Maintenance & Repair - Structures
	<b>\$21,185,000</b>	<b>Total</b>

*In the following individual project description pages, the estimated personnel, operating and maintenance impacts are provided to show a more comprehensive view of each project. Some projects will be completed mid-year; the impact shown is for the first full year after the project is complete. Any impact that begins after FY 2021 has been adjusted for inflation in the outer years.*

*Inflation is conservatively factored in at 5% per year. Some projects do not show annual impacts, although there may be minor maintenance investments at various intervals after project completion.*

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## A. PARKS, RECREATION, AND CULTURAL RESOURCES



**PROJECT TITLE:** Athletic Field Fencing Amenities Replacement

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$20,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

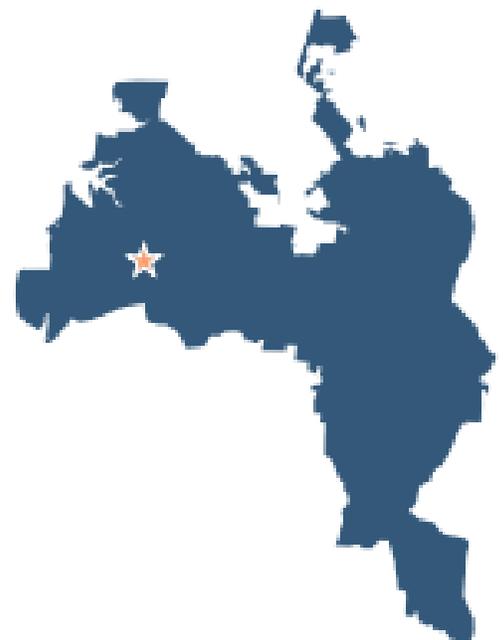
This project provides for the phased replacement of fencing amenities such as windscreens, safety caps, padding and netting on a scheduled basis.

The \$20,000 FY 2021 appropriation provides for windscreen replacement at Thomas Brooks Park.

### PROJECT JUSTIFICATION:

These amenities generally have a useful life of four years due to deterioration from weather and extensive use. As fencing amenities approach their fourth year, an assessment of the structural integrity of the materials is conducted to determine if the particular site needs to be addressed or can be delayed. Options include repair, partial replacement, or full replacement.

### PROJECT LOCATION:



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## B. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Athletic Field Fencing Repair/Replacement

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$105,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This project provides for the replacement of athletic field fencing on a scheduled basis. The FY 2021 appropriation totals \$105,000 and addresses Bond Park Fields 1, 2 and 4.

### PROJECT JUSTIFICATION:

This project provides for the phased replacement of athletic field fencing on a scheduled basis. Fencing generally has a useful life of 10 years based on fencing screen and pole materials. As fences approach their 10th year, an assessment of structural integrity of the materials is conducted to determine if the particular site needs to be addressed or can be delayed. Options include repair, partial replacement, or full replacement.

### PROJECT LOCATION:



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## C. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Black Creek Greenway – Phases I, II, and V

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$1,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

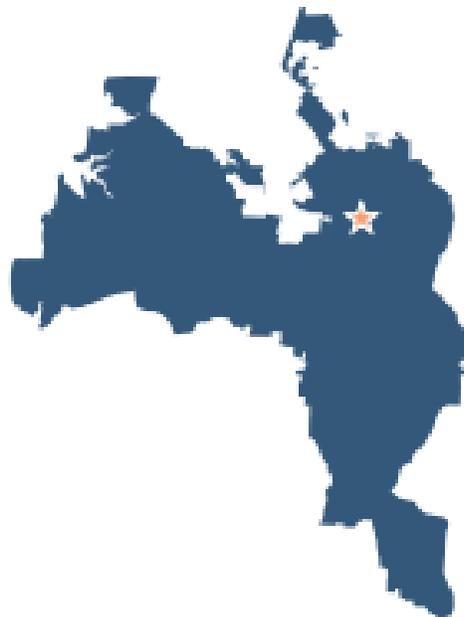
This project provides for the renovation of the existing Black Creek greenway from Old Reedy Creek Road south to West Dynasty Drive (Phases I and II) and the construction of a new segment (Phase V) of the greenway at West Dynasty Drive.

Total project cost is estimated at \$6,904,700. A total of \$5,904,700 of grant and Town funding has been appropriated to date. The FY 2021 appropriation of \$1,000,000 is identified for remaining construction. This project is funded in FY 2021 with Shaping Cary's Tomorrow bond funds.

### PROJECT JUSTIFICATION:

The Black Creek Greenway is the most popular, and primary, trail of Cary's greenway system. It is approximately seven miles in length and connects Lake Crabtree County Park to Bond Park, the hub of Cary's greenway system. Phases I and II are currently in need of realignment due to the effects of flooding. The Phase V segment of the project will eliminate an extremely steep 0.4-mile sidewalk connection between Phases II and III of the existing trail. The construction of Phase V will make the Black Creek Greenway more accessible and enjoyable to a wider segment of the population by providing a continuous greenway trail that maintains a manageable slope for bicyclists and the general population.

### PROJECT LOCATION:



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## D. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Carpenter Fire Station Neighborhood Park

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$8,900,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** \$188,500



### PROJECT DESCRIPTION:

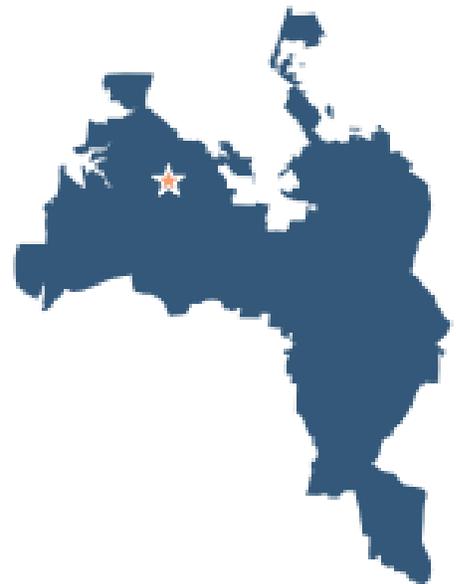
This relatively flat 20-acre park site is planned to include greenway neighborhood connections, ballfields, multipurpose court, dog park, fitness hub, play area, and a misting feature as a gateway to the parks center. Loop trails and wooded buffers to the neighborhood will be provided.

Project cost is estimated at \$11,750,000. A total of \$2,850,000 has been appropriated through FY 2020 for master plan development and early design. The \$2,000,000 FY 2020 appropriation provided for partial construction funding and is supported with developer payment in lieu funds. An additional \$8,900,000 will be required in FY 2021 for construction and project completion.

### PROJECT JUSTIFICATION:

This project is primarily supported by *Shaping Cary's Tomorrow* bond funds approved by voters in October 2019.

### PROJECT LOCATION:



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## E. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Cary Arts Center Lighting for Glass Wall Maintenance

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$29,500

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



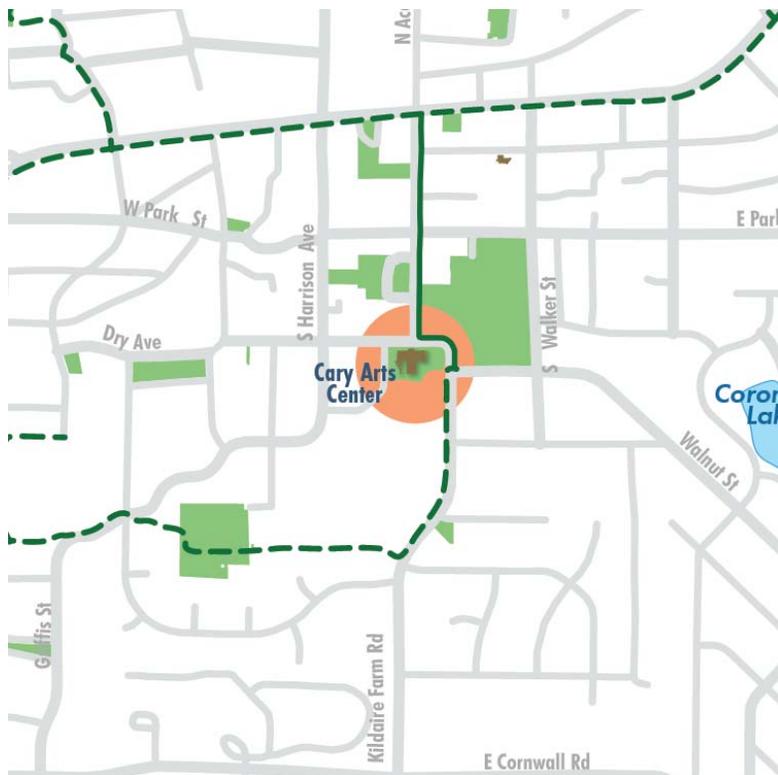
### PROJECT DESCRIPTION:

This project provides for maintenance of the light emitting diodes (LED) lights in the glass wall at the Cary Arts Center. Total project cost is \$59,000 with requests split between FY 2021 and FY 2022. Additional funding requests may occur in future CIP years as LED lighting needs to be repaired / upgraded every 7-10 years as LED lights fail and equipment technology improves.

### PROJECT JUSTIFICATION:

LED lighting was originally installed in the glass wall at Cary Arts Center lobby in 2011. The glass walls were designed to reflect and celebrate the history of the building as it was Cary's oldest remaining school. By illuminating the glass walls from within, the wall creates an image of ghost-like portraits taken from historic student photos. The stair wall is an iconic feature in the lobby and one of the most memorable features of the total renovation to the old building. The glass walls are a highlight for visiting former students and an opportunity for new visitors to learn about the building's important history in Cary's life.

### PROJECT LOCATION:



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## F. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Cary Tennis Park Repair & Maintenance – Court & Site

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$770,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



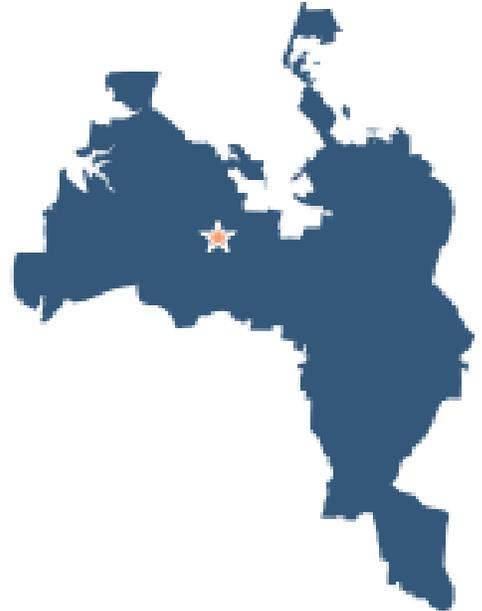
### PROJECT DESCRIPTION:

This project was highlighted as a part of the Wake County Venue Assessment study that identified specific maintenance needs related to the Town of Cary's sports venues – Cary Tennis Park, USA Baseball National Training Complex, and WakeMed Soccer Park. The \$770,000 appropriation for FY 2021 will resurface 12 courts at the Cary Tennis Park, replace windscreens at courts 1-32, and resurface the parking lot.

### PROJECT JUSTIFICATION:

A scheduled, routine maintenance program such as this is an effective means of ensuring structure safety and preventing more significant and/or costly future repairs.

### PROJECT LOCATION:



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## G. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Cary Tennis Park Repair & Maintenance - Structures

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$110,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

A Venue Assessment study identifying specific maintenance needs related to Cary's sports venues – Cary Tennis Park, USA Baseball National Training Complex, and WakeMed Soccer Park was completed in FY 2019. This particular project supports recommended structure maintenance items at the Cary Tennis Park. The \$110,000 FY 2021 appropriation replaces traditional lighting with LED lights, repaints the interior and exterior areas of the clubhouse, and replaces the fire alarm system.

### PROJECT JUSTIFICATION:

Parks, Recreation and Cultural Resources, Public Works and Transportation and Facilities staff review the recommended repairs for each year and determine which need to be addressed and which remain in good working order and can be moved to a future year.

A scheduled, routine maintenance program such as this is an effective means of ensuring structure safety and preventing more significant and/or costly future repairs.

### PROJECT LOCATION:



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## H. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Crabtree Creek Trail Weston Parkway Crossing

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$250,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** \$10,000



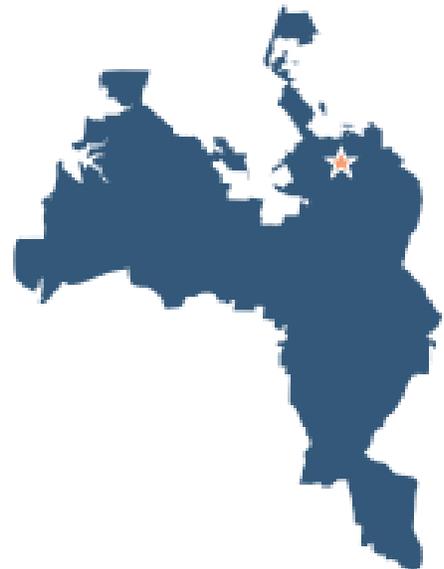
### PROJECT DESCRIPTION:

This project provides for design and construction of the Crabtree Creek Trail - Weston Parkway Crossing. Total project cost is estimated at \$3,265,000. A total of \$3,015,000 has been appropriated through FY 2020 for design and construction. The FY 2021 appropriation of \$250,000 is expected to complete this project

### PROJECT JUSTIFICATION:

This greenway segment will connect the recently opened Crabtree Creek Greenway located on the south side of Lake Crabtree near MetLife to existing trails in Weston.

### PROJECT LOCATION:



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## I. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Greenway Pedestrian Structure Repair

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$250,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project provides for design and major repairs to approximately 150 pedestrian structures, including pedestrian bridges, boardwalks, tunnels and overlooks, within Cary's park and greenway system.

**PROJECT JUSTIFICATION:**

Each year, one-third of the structures are inspected, cataloged and rated in order to produce a report identifying needed repairs. While Cary's Public Works department completes basic maintenance, this project provides for major repairs that are better addressed by specialized contractors.

**PROJECT LOCATION:**

Repairs will occur throughout the greenway system based on a condition assessment and prioritization of Cary's pedestrian structures.



---

## J. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Greenway Resurfacing Projects

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$340,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This routine maintenance project provides for repair and restoration of greenways throughout Cary. Greenways are selected for resurfacing and drainage repairs based on a priority ranking system that takes scheduled park renovations into account. The \$340,000 FY 2021 appropriation funds repair and restoration of the following greenways:

- Brooks Park Trails – 1.0 mile (Loop around baseball fields and trail along Brooks Drive)
- Stone Creek - 0.35 mile
- Green Hope School and Sears Farm Road Park Trails - 1.1 miles
- Speight Branch - 0.65 mile

### PROJECT JUSTIFICATION:

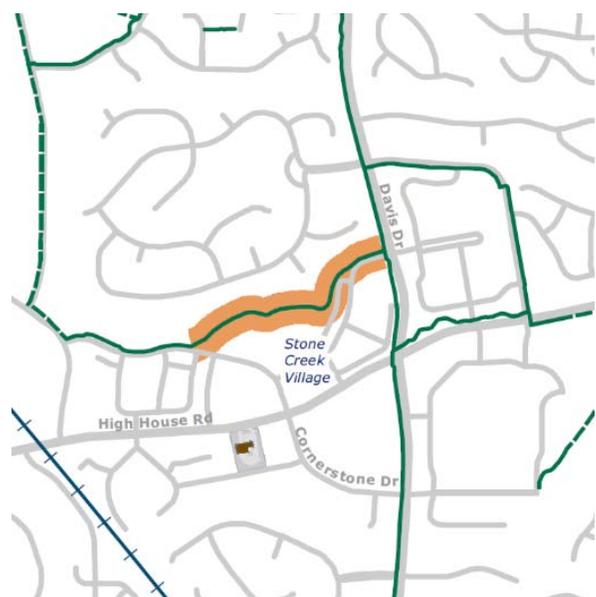
Greenway trails most frequently experience asphalt failure because of being located in wet environments and/or adjacent to trees whose root systems cause lifting and cracking. Application of a new surface coating provides additional protection and promotes extended life of the greenways.

### PROJECT LOCATION:

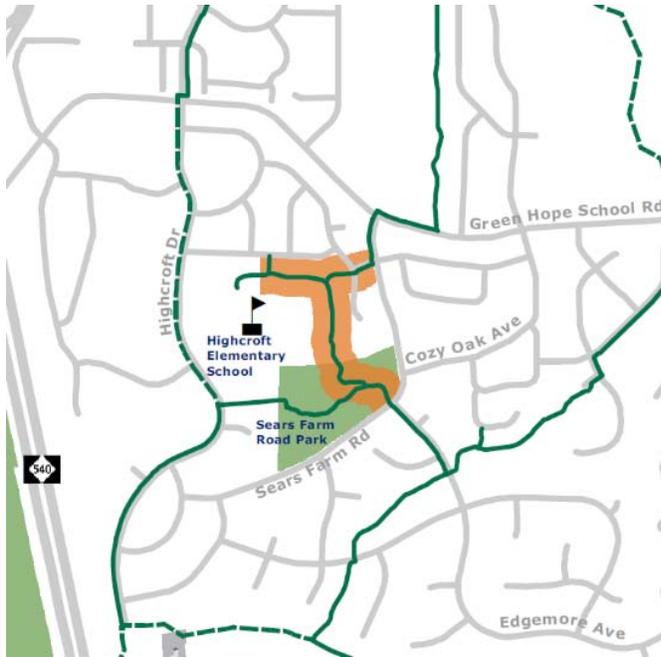
#### Brooks Park Trails



#### Stone Creek



Green Hope School and Sears Farm Road Trails



Speight Branch



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## K. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Higgins Greenway – Maynard to Downtown

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$500,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

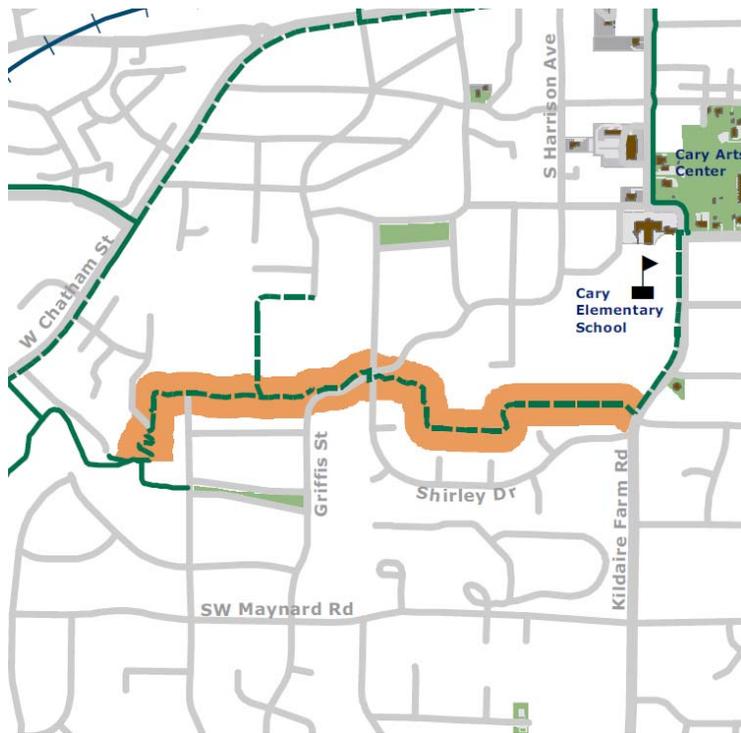
This project provides for the completion of this greenway. The FY 2021 appropriation of \$500,000 will fund alignment changes at Hillcrest Cemetery that require additional easements but will extend the length of the trail.

Total project costs of Phases I to III is \$3,990,000 with \$3,490,000 appropriated to date. The FY 2021 appropriation of \$500,000 will complete the initial phases. Future phases of the greenway totaling \$7,374,050 are planned between FYs 2028 and 2030 of the capital improvements plan.

### PROJECT JUSTIFICATION:

The previous phases of the Higgins Greenway are complete and extend from SW Maynard Road to Union Street near Dorothy Park. FY 2021 funds will complete Phase III of the Higgins Greenway that begins at Union Street and connects Downtown Cary and the surrounding neighborhoods. This section of the greenway runs along a mostly wooded corridor next to residential developments and through the property of two churches with the most unique element being the portion that passes through the Hillcrest Cemetery.

### PROJECT LOCATION:



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## L. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Koka Booth Amphitheatre Improvements

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$735,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



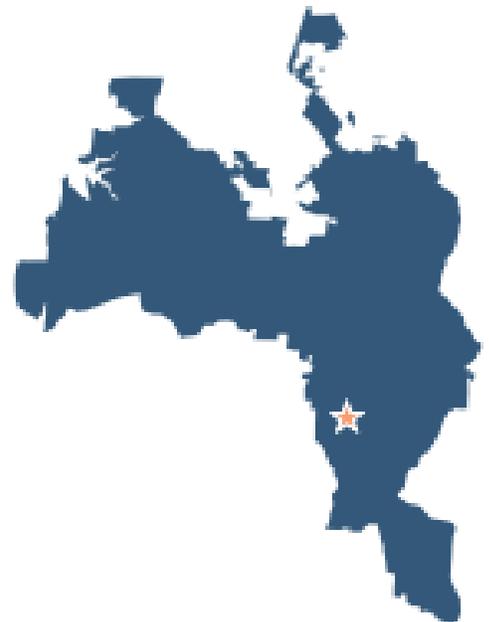
### PROJECT DESCRIPTION:

This project provides for construction or installation of major maintenance initiatives and planned improvements at the Koka Booth Amphitheatre. Parks, Recreation and Cultural Resources and Public Works staff work together to identify specific needs and their associated timing. The Koka Booth Amphitheatre opened in 2001 and annually hosts a wide variety of events ranging from concerts and movies to festivals. The \$735,000 FY 2021 appropriation supports the replacement of sound system and video equipment and selected maintenance improvement projects.

### PROJECT JUSTIFICATION:

Venue maintenance and improvement are key to attracting a wide variety of performers and events and successfully serving the community.

### PROJECT LOCATION:



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## M. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** McCrimmon Neighborhood Park



**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$6,100,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** \$113,588

### PROJECT DESCRIPTION:

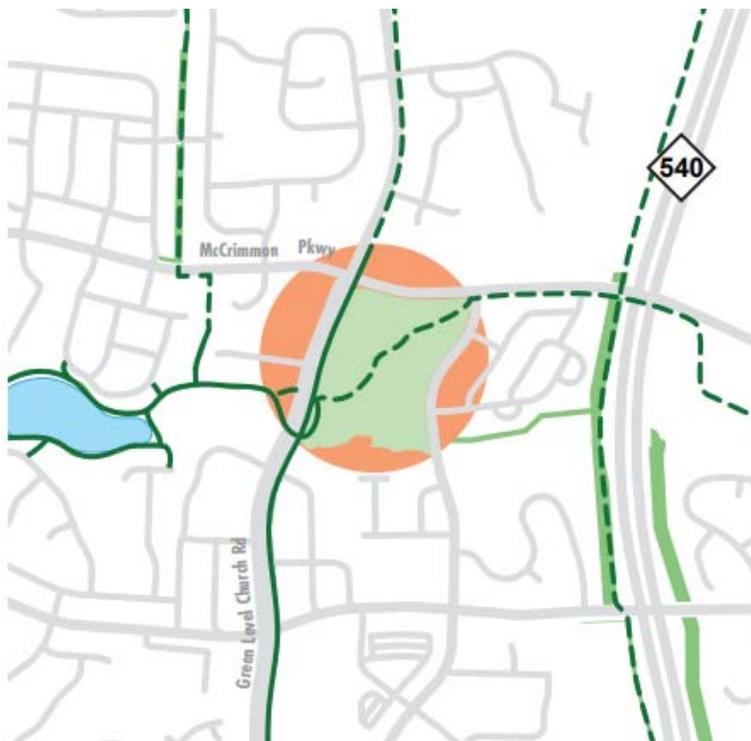
This rolling 20-acre park located near a variety of neighborhoods, including single family, multifamily and age restricted communities, will likewise offer a variety of facilities. Along with sustainable design and technology in the park, major proposed features include tennis, pickleball and sand volleyball courts; community gardens, play areas and loop trails thru preserved stream corridors.

Project cost is estimated at \$8,700,000. A total of \$2,600,000 has been appropriated through FY 2020 for the completion of a master plan and partial construction funding and was supported with developer payment in lieu funds. The FY 2021 appropriation of \$6,100,000 is expected to complete this project.

### PROJECT JUSTIFICATION:

This project is primarily supported by *Shaping Cary's Tomorrow* bond funds approved by voters in October 2019.

### PROJECT LOCATION:



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## N. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Park and Greenway Renovations

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$400,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** \$5,000



### PROJECT DESCRIPTION:

This maintenance project provides park, greenway and related facility renovations throughout Cary. Specific facilities are selected for renovation based on a priority ranking system. Each facility is evaluated as it comes up on the scheduled rotation, and renovation is pursued if this assessment verifies that the timing is appropriate based on the facility's current state. The \$400,000 FY 2021 appropriation, which is funded in FY 2021 with *Shaping Cary's Tomorrow* bond funds, supports the following park, greenway and/or related facility renovations:

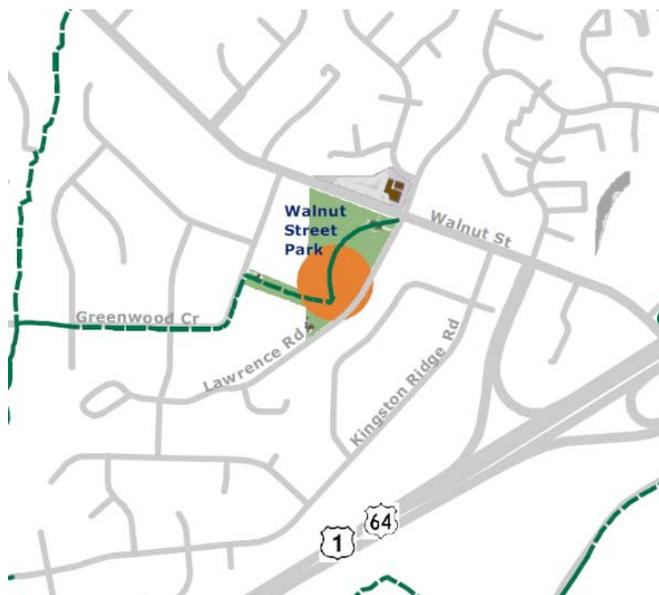
- Additional court lighting for Walnut Street Park.
- Expand courts at Carpenter Park.
- Explore additional shade tree planting and natural surface trail at Carpenter Park.

### PROJECT JUSTIFICATION:

As the Cary's existing parks, greenways and related facilities age, renovations and upgrades become necessary. Old signage may need replacement, new site amenities such as benches and trash receptacles may be necessary, and stone walkways may need to be replaced with concrete, asphalt or other hard surfaces for improved access and ease of maintenance. Relatively new parks, greenways and related facilities sometimes have needs, such as benches and fencing, that become apparent only after the facility has been in use for a time.

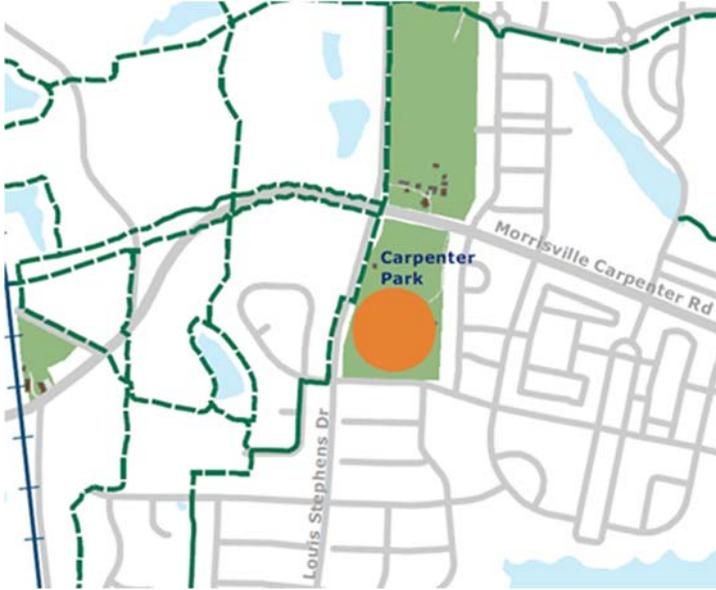
### PROJECT LOCATION:

#### Walnut Street Park



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Carpenter Park



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## O. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Playground Surface Repairs

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$85,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This maintenance project provides for the repair or replacement of rubberized playground surfaces in Cary's park system. The \$85,000 FY 2021 appropriation supports playground surface repairs or replacement at:

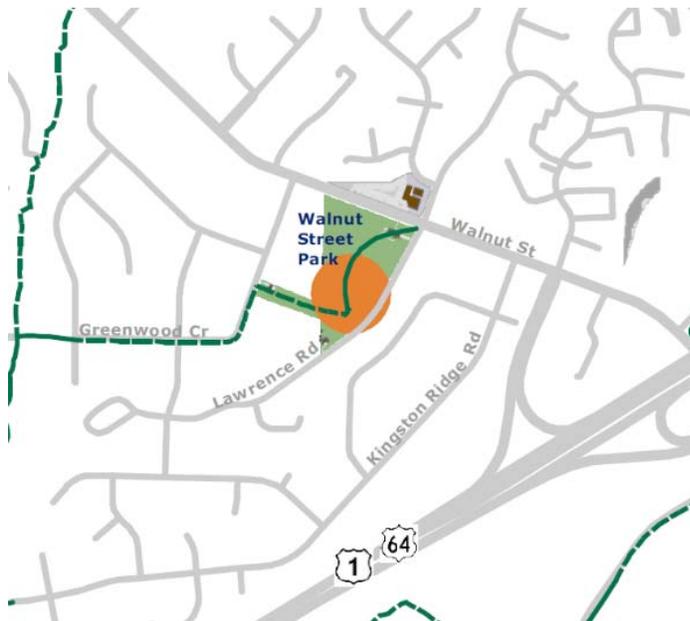
- Walnut Street Park
- Urban Park
- Lexie Lane Park
- Carpenter Park

### PROJECT JUSTIFICATION:

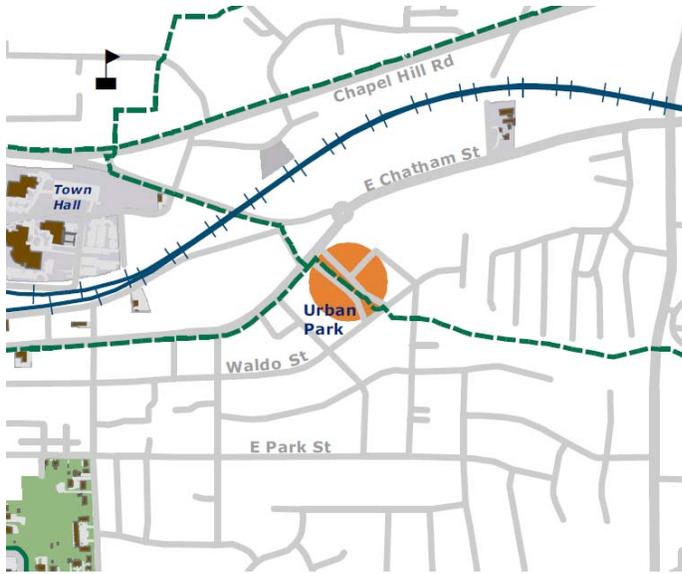
Playground surfaces are selected for repair or replacement based on a priority ranking system that takes scheduled park renovations and equipment replacements into account.

### PROJECT LOCATION:

Walnut Street Park



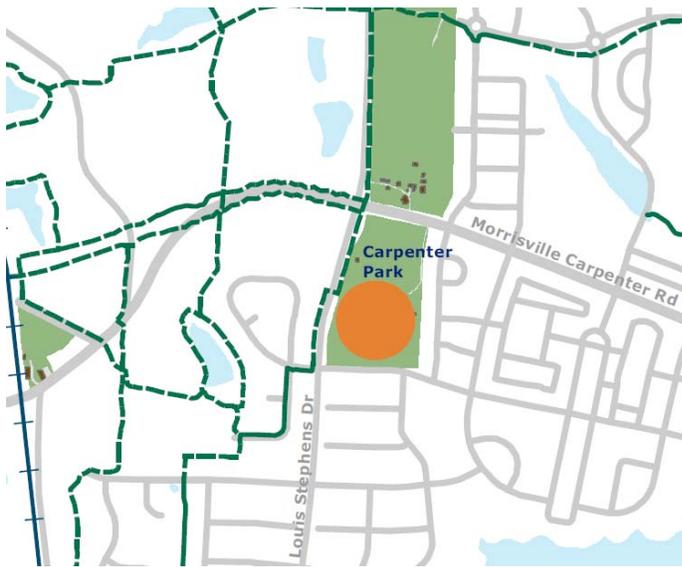
Urban Park



Lexie Lane Park



Carpenter Park



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## P. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** PRCR Audiovisual (AV) Equipment Replacement

**RESPONSIBLE DEPARTMENT:** Parks, Recreation, and Cultural Resources

**PROJECT FUNDING:** \$250,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This maintenance project provides for the repair or replacement of PRCR audiovisual (AV) equipment. The \$250,000 FY 2021 appropriation supports AV repairs or replacement at:

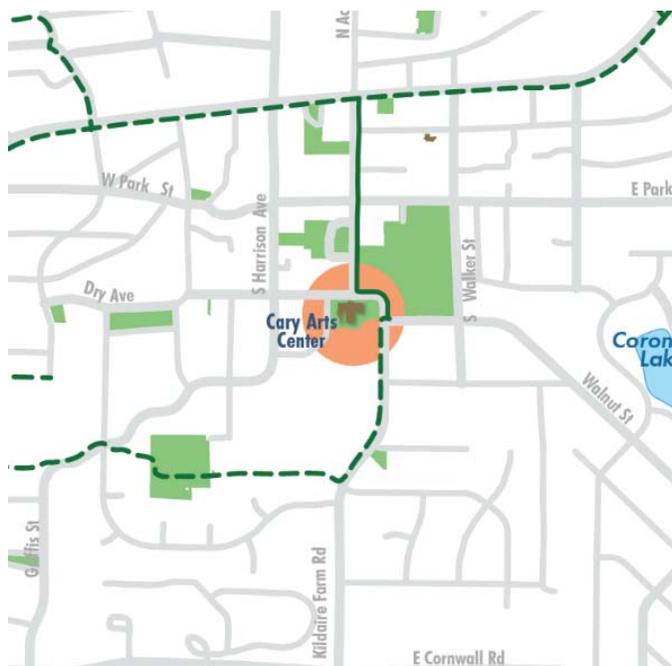
- Cary Arts Center – Lighting Console
- Cary Theater – Projector and Lighting
- Mobile Stage Speakers and Amplifier

### PROJECT JUSTIFICATION:

This project is the result of an asset management plan developed by staff and seeks to maintain all sound, lighting and related equipment at current inventory and service levels. Audiovisual (AV) equipment repair or replacement will be based on a priority ranking system that takes scheduled facility renovations and equipment replacements into account.

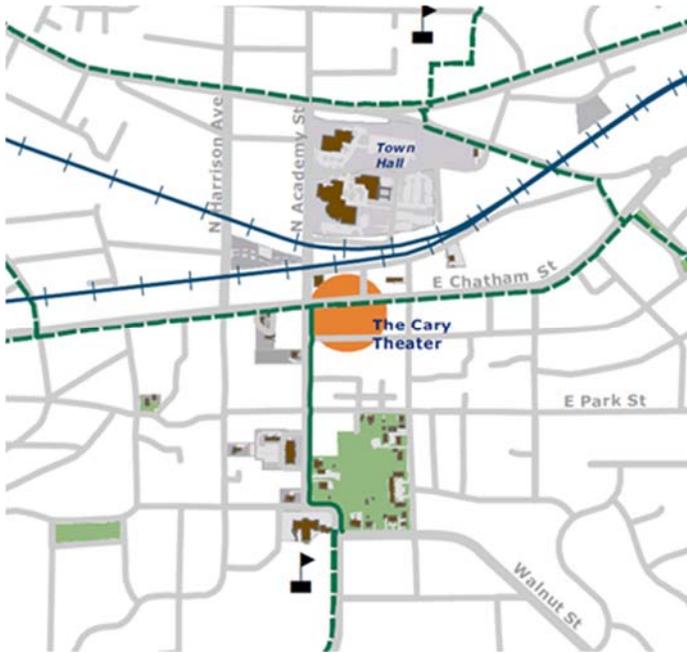
### PROJECT LOCATION:

#### Cary Arts Center



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## Cary Theater



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## Q. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Public Art – Park and Greenway Amenities

**RESPONSIBLE DEPARTMENT:** Parks, Recreation, and Cultural Resources

**PROJECT FUNDING:** \$25,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides funding to engage the services of artists to create unique standard park amenities. Park amenities could include park benches, water fountains, safety surface under playground equipment, bike racks, decorative down spouts for picnic structures, and surface embellishments for paving or low seat walls. The project will identify two to five projects where renovations or improvements at parks are planned and artist-made fixtures could be an asset to the project. Parks that are older and located within the Maynard Loop will be first priority for this type of art.

### PROJECT JUSTIFICATION:

The incorporation of public art into capital projects at the earliest stages of planning and design helps create opportunities for efficiencies of costs, materials, and functional artwork.

### PROJECT LOCATION:

This project will occur at various locations based on need.



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## R. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Restroom Replacement

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$25,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



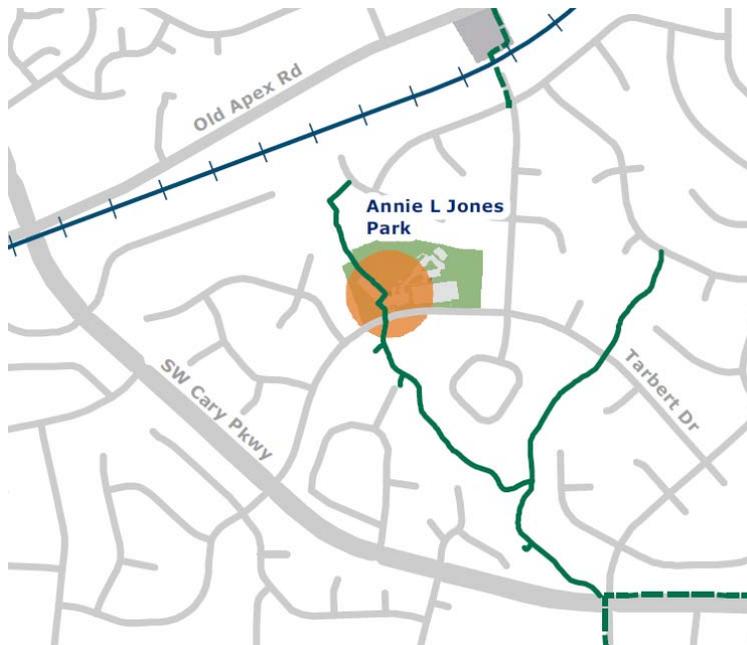
### PROJECT DESCRIPTION:

This project provides funds for restroom renovations that will bring the oldest park restroom facilities to current standards. The \$25,000 FY 2021 appropriation replaces the modular restroom at Annie Jones Park.

### PROJECT JUSTIFICATION:

These renovations focus on converting residential grade fixtures to commercial grade and implementing Americans with Disabilities Act (ADA) improvements to bring the facilities into compliance with current ADA codes.

### PROJECT LOCATION:



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## S. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Skate Park Improvements

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$200,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This project provides funds for the design of future Skate Park improvements. In 2015, a Facility Master Plan, which outlined the development of the future action park was completed. These improvements might include a cover structure over the action sports park, upgrades to lighting and ramps, and building expansion.

**Cover Structure** – A cover structure will protect the existing ramp features and course from rain and snow, which in return extends the infrastructure life and provides additional use capacity for the park.

**Ramps** - The facility's ramps have been evaluated with several being identified for repair and replacement.

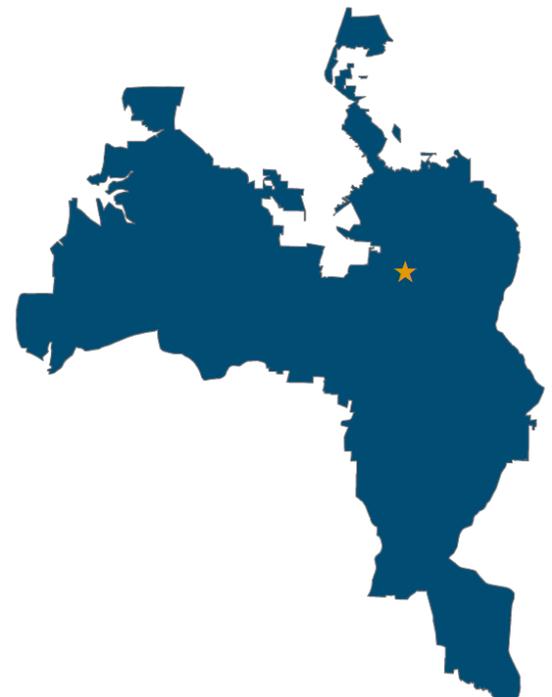
**Building Expansion** – The Skate Park does not currently have dedicated rental space for birthday parties or bi-annual, competitive events. Expansion of the existing building will provide this capacity as well as provide additional pro shop and storage space.

Total project cost, including construction, is estimated at \$5,600,000. The design phase will determine project scope and timing.

### PROJECT JUSTIFICATION:

This project is primarily supported by *Shaping Cary's Tomorrow* bond funds approved by voters in October 2019.

### PROJECT LOCATION:



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## T. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Tennis Court Renovations

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$16,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This maintenance project provides for tennis court renovations within Cary's park system. The \$16,000 appropriated in FY 2021 supports various courts that will be identified by staff later.

**PROJECT JUSTIFICATION:**

Courts are selected for renovation based on a priority ranking system. Cary's tennis courts are evaluated as they come up on the scheduled rotation, and renovation is pursued if this assessment verifies that the timing is appropriate based on the court's current state.

**PROJECT LOCATION:**

This project will occur at various locations based on an assessment conducted during the fiscal year.



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## U. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** The Cary Marquee Lighting Maintenance

**RESPONSIBLE DEPARTMENT:** Parks, Recreation, and Cultural Resources

**PROJECT FUNDING:** \$34,500

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



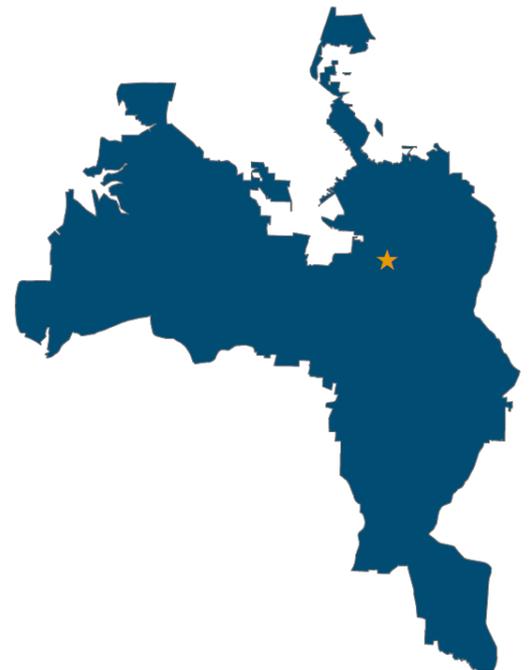
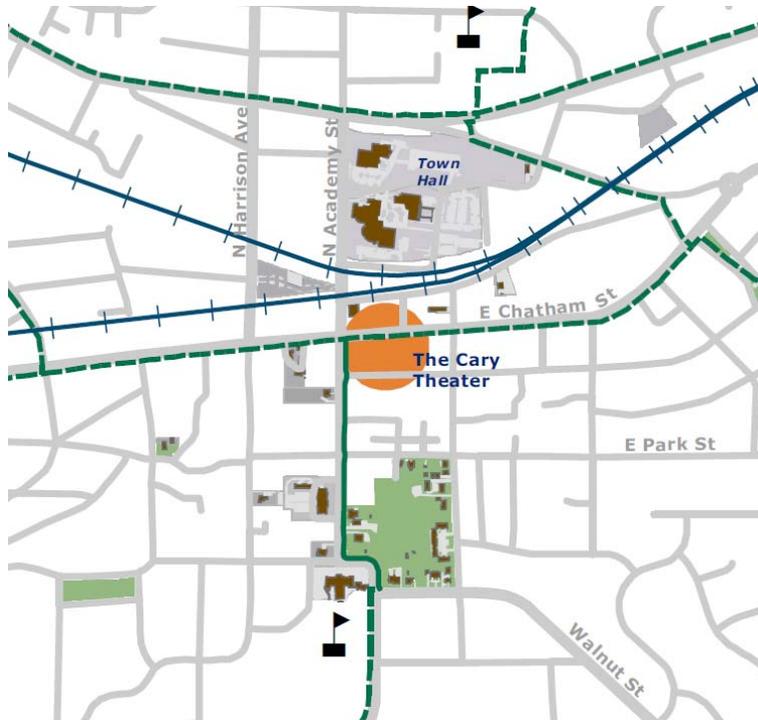
### PROJECT DESCRIPTION:

This project provides funds to maintain the marquee at The Cary. Originally built in 1946, it was Cary's first indoor movie theater. The Town of Cary purchased The Cary in July 2011. The building was renovated and expanded to become a multi-use cultural facility with a focus on digital arts, including film, and youth and amateur theater and music. The renovated theater opened to the public in February 2014.

### PROJECT JUSTIFICATION:

This maintenance is necessary to keep the marquee in good working order.

### PROJECT LOCATION:



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## V. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** USA Baseball Maintenance & Repair – Fields & Site

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$40,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



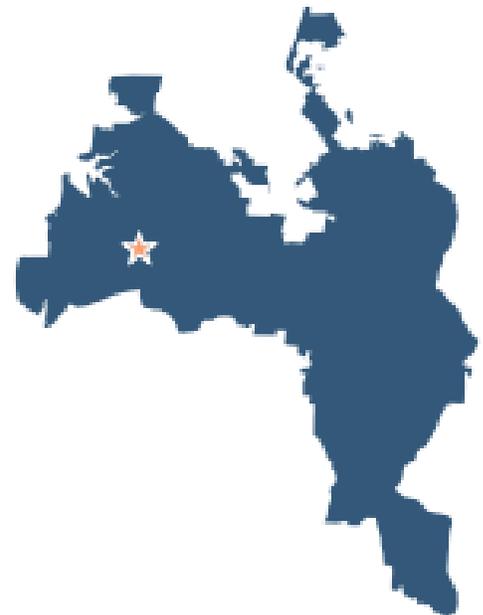
### PROJECT DESCRIPTION:

A venue assessment study identifying specific maintenance needs related to Cary's sports venues (Cary Tennis Park, USA Baseball National Training Complex, and WakeMed Soccer Park) was completed in FY 2019. This particular project supports recommended field and site maintenance items at the USA Baseball National Training Facility. The \$40,000 FY 2021 appropriation supports pavement seal coating.

### PROJECT JUSTIFICATION:

Parks, Recreation and Cultural Resources, Public Works and Transportation and Facilities staff review the recommended repairs for each year and determine which need to be addressed and which remain in good working order and can be moved to a future year. A scheduled, routine maintenance program such as this is an effective means of ensuring structure safety and preventing more significant and/or costly future repairs.

### PROJECT LOCATION:



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## W. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** USA Baseball Maintenance & Repair – Structures

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$250,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



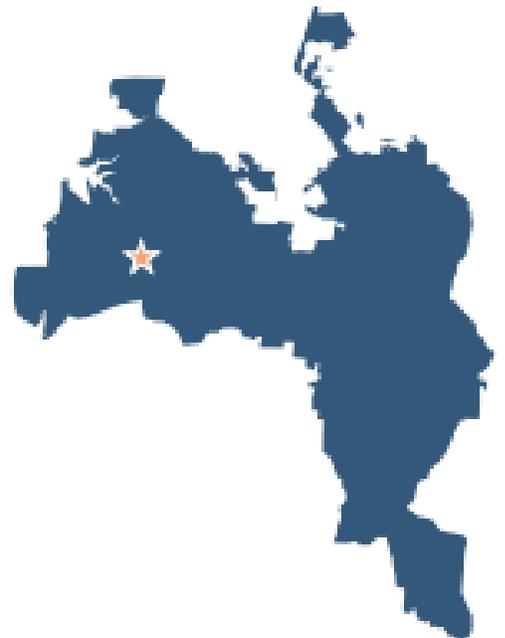
### PROJECT DESCRIPTION:

A venue assessment study identifying specific maintenance needs related to the Cary's sports venues (Cary Tennis Park, USA Baseball National Training Complex, and WakeMed Soccer Park) was completed in FY 2019. This particular project supports recommended structure maintenance items at the USA Baseball National Training Facility. The \$250,000 FY 2021 appropriation supports several maintenance items, including building maintenance to replace finishes in the outbuildings (floor, walls, ceiling, partitions, casework) and conversion of lighting to LED.

### PROJECT JUSTIFICATION:

Parks, Recreation and Cultural Resources, Public Works and Transportation and Facilities staff review the recommended repairs for each year and determine which need to be addressed and which remain in good working order and can be moved to a future year. A scheduled, routine maintenance program such as this is an effective means of ensuring structure safety and preventing more significant and/or costly future repairs.

### PROJECT LOCATION:



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## X. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** Veterans Freedom Monument Lighting Maintenance

**RESPONSIBLE DEPARTMENT:** Parks, Recreation, and Cultural Resources

**PROJECT FUNDING:** \$70,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

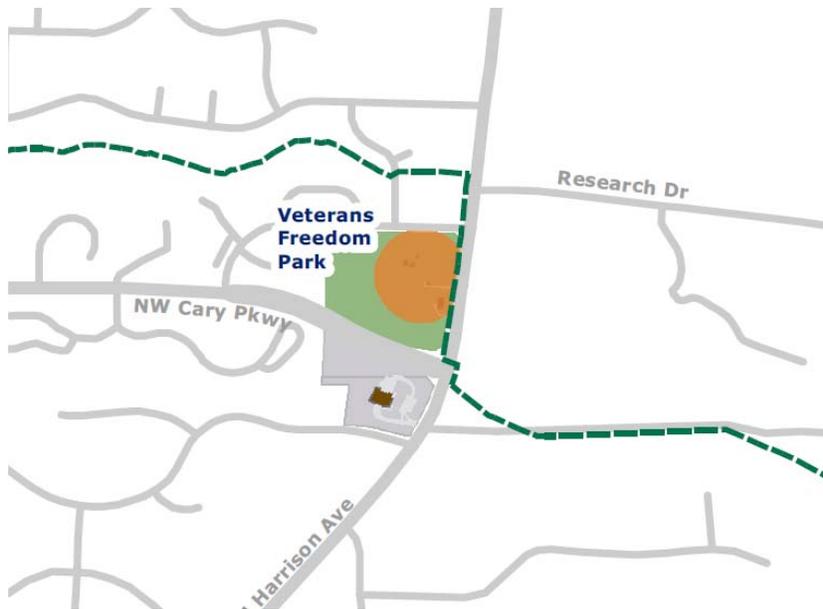
### PROJECT DESCRIPTION:

This project provides for lighting maintenance at Cary's Veterans Freedom Monument. The \$70,000 FY 2021 appropriation fully funds this work.

### PROJECT JUSTIFICATION:

The Veteran's Freedom Park, home to Cary's 90-foot Freedom Tower, opened in 2014. The lighting illuminating the tower has been experiencing failure due to water intrusion and must be replaced.

### PROJECT LOCATION:



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## Y. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** WakeMed Soccer Park Maintenance & Repair – Fields & Site

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$170,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



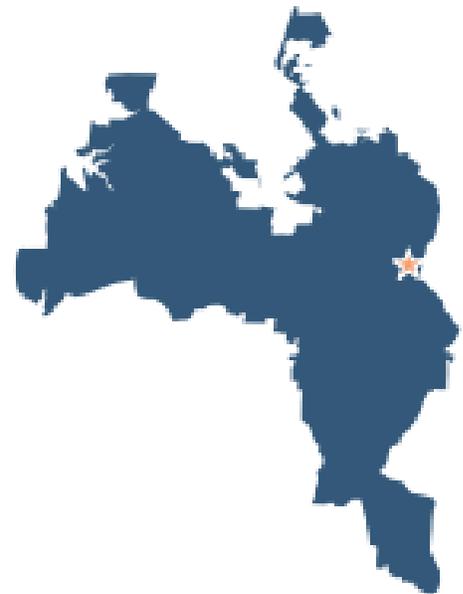
### PROJECT DESCRIPTION:

A venue assessment study identifying specific maintenance needs related to Cary's sports venues (Cary Tennis Park, USA Baseball National Training Facility, and WakeMed Soccer Park) was completed in FY 2019. This particular project supports recommended field and site maintenance items at the WakeMed Soccer Park. The \$170,000 FY 2021 appropriation supports the conversion of lighting to LED on the lights.

### PROJECT JUSTIFICATION:

Parks, Recreation and Cultural Resources, Public Works and Transportation and Facilities staff review the recommended repairs for each year and determine which need to be addressed and which remain in good working order and can be moved to a future year. A scheduled, routine maintenance program such as this is an effective means of ensuring structure safety and preventing more significant and/or costly future repairs.

### PROJECT LOCATION:



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## Z. PARKS, RECREATION, AND CULTURAL RESOURCES

**PROJECT TITLE:** WakeMed Soccer Park Maintenance & Repair – Structures

**RESPONSIBLE DEPARTMENT:** Public Works

**PROJECT FUNDING:** \$510,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



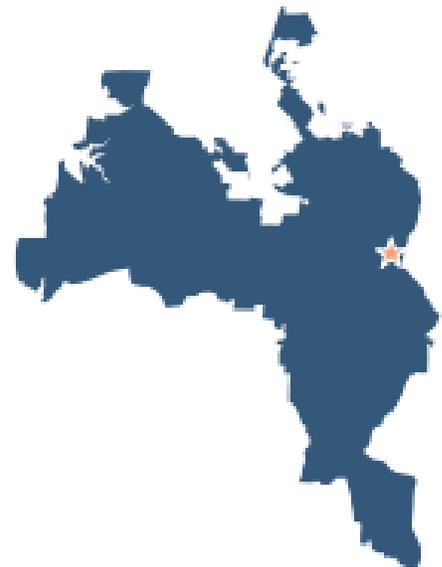
### PROJECT DESCRIPTION:

A venue assessment study identifying specific maintenance needs related to the Town of Cary's sports venues (Cary Tennis Park, USA Baseball National Training Facility, and WakeMed Soccer Park) was completed in FY 2019. This particular project supports recommended structure maintenance items at the WakeMed Soccer Park. The \$510,000 FY 2021 appropriation supports several maintenance items, including replacement of finishes in the West stands, Suites/Press (floors, walls, ceilings, casework, etc.), Building B (walls, ceilings, counters, partitions), electrical panelboards, breakers, wiring, and installation of a central power monitoring system.

### PROJECT JUSTIFICATION:

Parks, Recreation and Cultural Resources, Public Works and Transportation and Facilities staff review the recommended repairs for each year and determine which need to be addressed and which remain in good working order and can be moved to a future year. A scheduled, routine maintenance program such as this is an effective means of ensuring structure safety and preventing more significant and/or costly future repairs.

### PROJECT LOCATION:



# FISCAL YEAR 2021 GENERAL CAPITAL IMPROVEMENTS

## TRANSPORTATION CAPITAL IMPROVEMENTS FUND

If utilizing this document in PDF, click on any item below to link to that information

A.	\$100,000	Bridge / Culvert Repairs
B.	6,100,000	Carpenter Fire Station Rd Widening - NC55 to East of Cameron Pond
C.	6,000,000	Complete 540 Enhancements (NCDOT Reimbursements)
D.	15,000,000	Downtown Parking Development
E.	415,075	GoCary Bus Stop Improvements
F.	75,000	GoCary Capital Amenities
G.	17,600,000	GoCary Regional Operations and Maintenance Facility
H.	700,000	Green Level Church Road Bridge Replacement and Widening at Kit Creek (NCDOT Reimb.)
I.	1,000,000	Intersection Improvements
J.	100,000	Intelligent Transportation Expansion for Cary Advanced Transportation Management System
K.	3,200,000	Louis Stephens Drive / Carpenter Upchurch Road Sidewalk
L.	150,000	Private Streets Legacy Study
M.	2,750,000	Schools - Street Improvement Reimbursements
N.	1,750,000	Sidewalk and Pedestrian Improvements
O.	250,000	Spot Improvements - Based on Levels of Service, Safety and Citizen Concerns
P.	7,100,000	Street Improvement Project
Q.	300,000	Street Storm Drainage System Rehabilitation
R.	140,000	Traffic Calming
S.	900,000	Traffic Signalization Projects
	<b>\$63,630,075</b>	<b>Total</b>

*In the following individual project description pages, the estimated personnel, operating and maintenance impacts are provided to show a more comprehensive view of each project. Some projects will be completed mid-year; the impact shown is for the first full year after the project is complete. Any impact that begins after FY 2021 has been adjusted for inflation in the outer years.*

*Inflation is conservatively factored in at 5% per year. Some projects do not show annual impacts, although there may be minor maintenance investments at various intervals after project completion.*

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## A. TRANSPORTATION

**PROJECT TITLE:** Bridge/Culvert Repairs

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$100,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project provides funding to maintain bridges/culverts. The North Carolina Department of Transportation (NCDOT) evaluates Cary's bridges and culverts every two years. Funds provided by this project address any maintenance work and/or upgrades recommended by NCDOT.

**PROJECT JUSTIFICATION:**

Failure to maintain bridges/culverts as directed results in violation of state recommendations, safety issues and cost escalation if the work is deferred to a later date.

**PROJECT LOCATION:**

This project will occur in various locations based on prioritization and need.



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## B. TRANSPORTATION

**PROJECT TITLE:** Carpenter Fire Station Road Widening – NC55 to East of Cameron Pond

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$6,100,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This project provides for widening on Carpenter Fire Station Road from NC 55 highway to just east of the Cameron Pond development. The widened segment will be a four-lane, median divided thoroughfare with sidewalks, street side trails, bicycle accommodations, streetlighting and median plantings. A left turn lane will be added at critical intersections.

Total project cost is estimated at \$12,883,500 with funds of \$6,783,500 appropriated to date. The FY 2021 appropriation of \$6,100,000 is expected to complete this project. This project is partially funded with *Shaping Cary's Tomorrow* bond funds.

### PROJECT JUSTIFICATION:

This widening will address congestion issues in the western segment of Cary by providing additional roadway capacity.

### PROJECT LOCATION:



## C. TRANSPORTATION

**PROJECT TITLE:** Complete 540 Enhancements (NCDOT Project R-2828) – Sidewalks/Greenways



**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$6,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project is in conjunction with North Carolina's Department of Transportation (NCDOT) project to complete the N.C. 540 Tollway. NCDOT and the Federal Highway Administration (FHWA) are proposing to build a new, limited-access toll facility from the N.C. 55 Bypass in Apex, to the U.S. 64/U.S. 264 (I-495) in Knightdale. Construction is likely to be segments, depending on available funding, and each segment will likely have different construction timelines.

Total project cost is estimated at \$7 million with \$1 million already appropriated. While the FY 2021 \$6 million is expected to complete this project, funding estimates are based on preliminary plans and may need to be revised during the final design stage. This project is funded in FY 2021 with *Shaping Cary's Tomorrow* bond funds.

### PROJECT JUSTIFICATION:

This project will allow Cary to request and fund additional enhancements to the N.C. 540 Tollway project and help realize the vision and policies in the Imagine Cary Community Plan concerning improved pedestrian and bicycle facilities and aesthetic enhancements. The proposed highway will improve mobility and reduce traffic congestion south and east of the Raleigh area while improving the regional roadway network and connecting several towns.

### PROJECT LOCATION:



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## D. TRANSPORTATION

**PROJECT TITLE:** Downtown Parking Development

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$15,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides additional parking, likely via a parking deck, in Cary's downtown. While a specific location will be determined by the Downtown Parking Study currently underway, a number of potential locations are being examined including property on Waldo Street. The FY 2021 appropriation supports site acquisition, design and construction of a parking deck.

### PROJECT JUSTIFICATION:

This project is primarily supported by *Shaping Cary's Tomorrow* bond funds approved by voters in October 2019.

### PROJECT LOCATION:

The specific location of additional facilities will be determined through an assessment of parking demand.



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## E. TRANSPORTATION

**PROJECT TITLE:** GoCary Bus Stop Improvements

**RESPONSIBLE DEPARTMENT:** Transit

**PROJECT FUNDING:** \$415,075

**FIRST YEAR ESTIMATED OPERATING COSTS:** \$20,000



### PROJECT DESCRIPTION:

This project provides for upgrades to existing GoCary bus stops to bring them into compliance with requirements of the Americans with Disabilities Act (ADA) and construction of new ADA compliant bus stops associated with expanded GoCary routes funded through the Wake County Transit Plan. Improvements will be site specific and could include features such as concrete boarding pads, benches, bike racks and any necessary associated ramp and/or sidewalk improvements.

The \$415,075 FY 2021 appropriation is funded with Wake County Transit Tax proceeds.

### PROJECT JUSTIFICATION:

The Federal Highway Administration's "Pedestrian Safety Guide for Transit Agencies" states that the location and design of transit stops can significantly impact the safety and comfort of pedestrians accessing transit services. ADA guidelines require a boarding pad to be located at bus stops to allow pedestrians to enter and exit the bus safely without entering the street. This boarding pad must have a firm, stable surface that is free of obstructions and connected to the adjacent sidewalk network.

### PROJECT LOCATION:

This project will occur in various locations throughout the GoCary service area.

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## F. TRANSPORTATION

**PROJECT TITLE:** GoCary Capital Amenities

**RESPONSIBLE DEPARTMENT:** Transit

**PROJECT FUNDING:** \$75,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project provides funding for capital related improvements such as transit shelters and amenities, bus stop lighting and technology within the existing GoCary system and its facilities. Shelters and bus stop amenity improvements will be prioritized based on transit demand.

**PROJECT JUSTIFICATION:**

As ridership continues to grow, there is a need to outfit existing bus stops with benches and shelters and implement appropriate technology to increase productivity and continue meeting Federal Transit Administration (FTA) regulations.

**PROJECT LOCATION:**

This project will occur in various locations throughout the GoCary service area.



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## G. TRANSPORTATION

**PROJECT TITLE:** GoCary Regional Operations and Maintenance Facility

**RESPONSIBLE DEPARTMENT:** Transit

**PROJECT FUNDING:** \$17,600,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** \$125,000



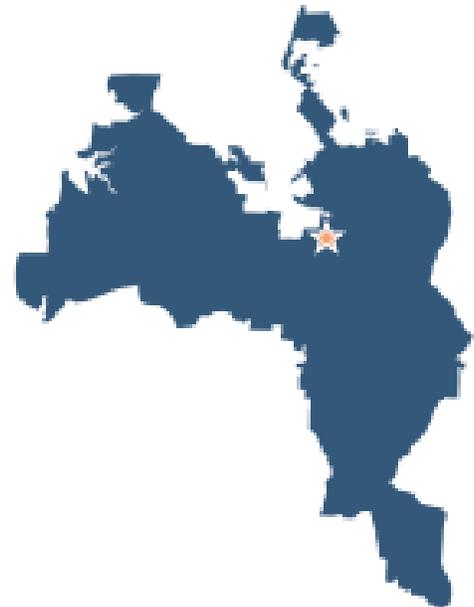
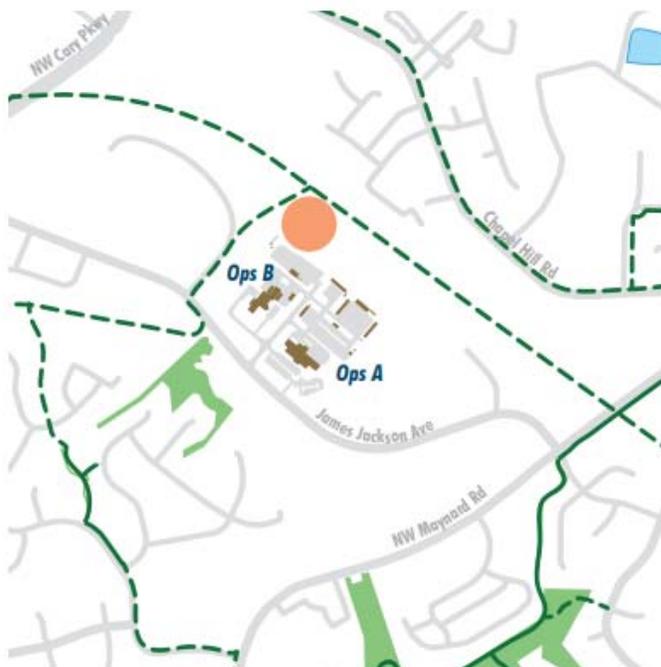
### PROJECT DESCRIPTION:

This project provides for the design and construction of a GoCary regional operations and maintenance facility. Total project cost (exclusive of site acquisition) is estimated at \$20,800,000. A total of \$3,200,000 has been appropriated through FY 2020. The FY 2021 \$17,600,000 appropriation supports construction. All of these funds are programmed within the Wake County Transit Plan and will be fully funded with Wake County Transit Tax dollars. Federal grant funds are being sought to supplement Wake County Transit Plan funds. In fact, \$700,000 of the FY 2020 budget amount is grant supported. Wake County Transit Plan funds are used to meet all grant match requirements.

### PROJECT JUSTIFICATION:

An Administration/Operations Facility Assessment Study was completed in 2011 indicating the GoCary system could realize substantial cost savings by owning its own transit facility. Cary's service operations contractor currently leases space for GoCary transit operations, maintenance and vehicle storage. While the facility itself has not yet been designed, it is envisioned that this facility could serve as a fueling and repair station with lease arrangements to potentially serve other transit system provider vehicles as well. Alternative fuel sources for GoCary and Town vehicles could also be offered.

### PROJECT LOCATION:



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## H. TRANSPORTATION

**PROJECT TITLE:** Green Level Church Road Bridge Replacement and Widening at Kit Creek  
(NCDOT Reimbursement)

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$700,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

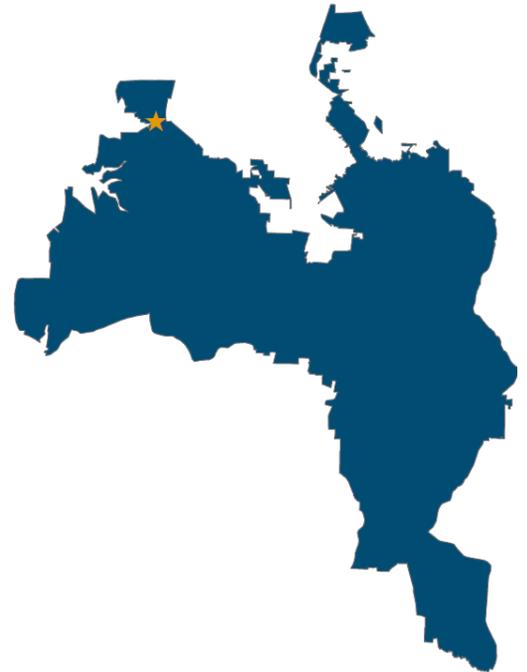
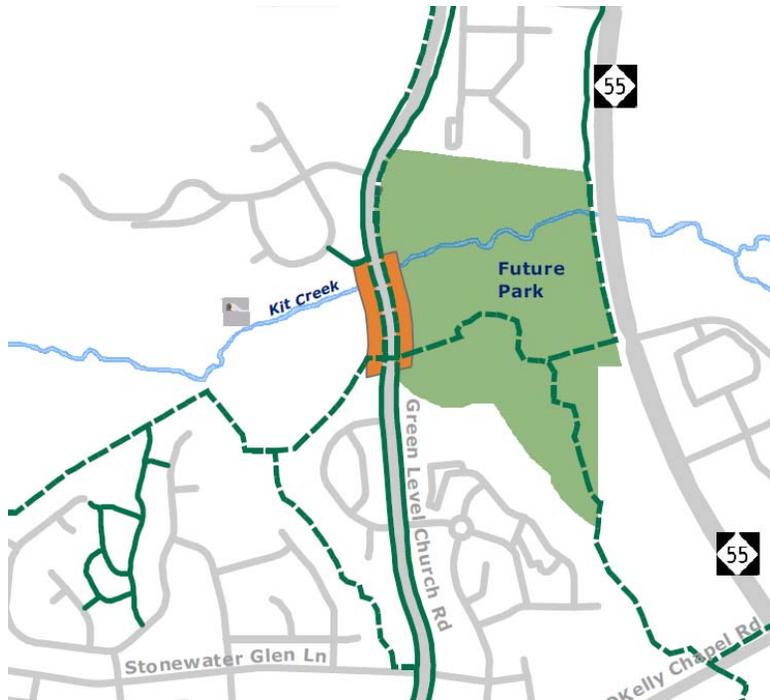
This project allows Cary to request and fund additional enhancements to the NCDOT project to construct a full four-lane bridge. The widened segment will be a four-lane, median divided thoroughfare with sidewalks, street side trails, bicycle accommodations, streetlighting and median plantings. Funding estimates are based on preliminary plans and may need to be revised during the final design stage

The FY 2021 appropriation reflects total estimated project funding needs. This project is funded in FY 2021 with *Shaping Cary's Tomorrow* bond funds.

### PROJECT JUSTIFICATION:

This project will help realize the vision and policies in the Imagine Cary Community Plan including improved pedestrian and bicycle amenities.

### PROJECT LOCATION:



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## I. TRANSPORTATION

**PROJECT TITLE:** Intersection Improvements

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$1,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### **PROJECT DESCRIPTION:**

This project provides for the design and construction of turn lane improvements at intersections where congestion and safety issues are apparent. Solutions could include installation of treatments such as roundabouts or directional intersections. Improvements could also include upgrades to pedestrian signals, crosswalks and ramps.

A total of \$1,000,000 is appropriated to this project in FY 2021. This project is funded in FY 2021 with *Shaping Cary's Tomorrow* bond funds.

### **PROJECT JUSTIFICATION:**

Intersections will be identified during the fiscal year based on annual capacity analyses throughout Cary, as well as reviewing safety data including police crash reports, Highway Safety Improvement Program (HSIP) identified locations, and bike/pedestrian projects.

### **PROJECT LOCATION:**

This project will occur in various locations throughout Cary.

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## J. TRANSPORTATION

**PROJECT TITLE:** ITS Expansion for Cary ATMs

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$100,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides funds for the expansion of intelligent transportation (ITS) features of Cary's advanced transportation management system (ATMS). With the implementation of Cary's Connect Vehicle project to provide vehicle to infrastructure communication in 2020, further applications will be available that will enhance the initial implementation. Total project cost is estimated at \$500,000 with \$100,000 budgeted annually through FY 2025.

### PROJECT JUSTIFICATION:

These intelligent applications will include capabilities such as speed zone warnings, school zone speed warnings, pedestrian notifications to drivers, pedestrian orientation for visually impaired pedestrians, construction notifications, and other features not currently developed.

### PROJECT LOCATION:

This project will occur in various locations throughout Cary.



---

## K. TRANSPORTATION

**PROJECT TITLE:** Louis Stephens Drive/Carpenter Upchurch Road Sidewalk

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$3,200,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides funds to fill in the missing sidewalk links between Green Hope Elementary School / Park and the Cary Tennis Park to the north and local shopping and businesses along High House Road to the south, while serving multiple neighborhoods sandwiched in the middle. The project also includes partial road widening to support the sidewalk as well as striped bike lanes on both sides of the road.

Total project cost is estimated at \$3.2 million with the FY 2021 appropriation supporting construction. This project is funded with *Shaping Cary's Tomorrow* bond funds.

### PROJECT JUSTIFICATION:

This project will improve vehicular capacity, safety and opportunities for pedestrian and bike travel, and provide missing links to the greenway system.

### PROJECT LOCATION:



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## L. TRANSPORTATION

**PROJECT TITLE:** Private Streets Legacy Study

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$150,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides funds for conditional evaluations of private townhome streets in Cary. Results from this study will be used as a basis of discussion and collaboration (internal and external) including options for working with legacy townhome neighborhoods with private streets that desire converting to public.

The \$150,000 FY 2021 is expected to completely fund this study.

### PROJECT JUSTIFICATION:

Many older townhome neighborhoods with private streets have sub-standard designs. Lack of maintenance can lead to safety issues as well as reduced neighborhood desirability and property values.

### PROJECT LOCATION:

This project will occur in various locations throughout Cary.



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## M. TRANSPORTATION

**PROJECT TITLE:** Schools – Street Improvement Reimbursements

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$2,750,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

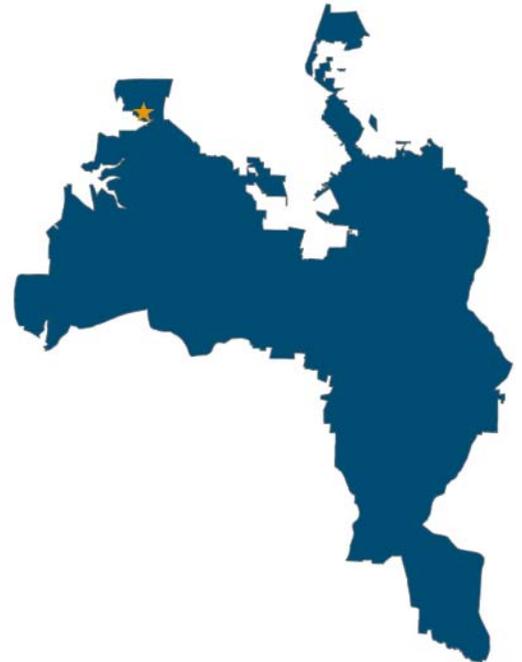
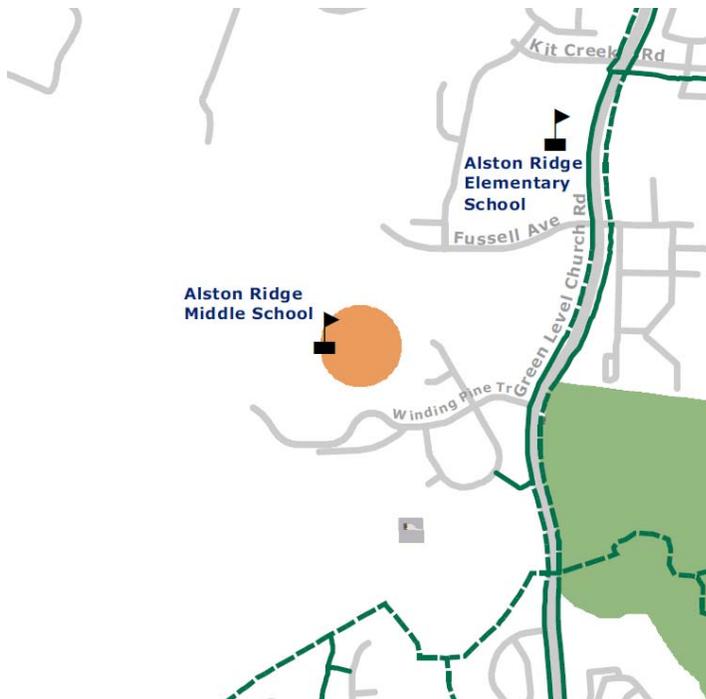
This project provides funding to address requirements of North Carolina General Statute 136-18(29a) which mandates that municipalities must reimburse school systems for non-driveway connected street improvements made to Cary-maintained streets.

Several schools are planned within Cary, but currently, only Alston Ridge Middle School is under construction. The \$2,750,000 FY 2021 appropriation reimburses Wake County Public Schools for qualifying street improvements related to this facility.

### PROJECT JUSTIFICATION:

This project is necessary to remain in compliance with North Carolina General Statute 136-18(29a) as discussed above.

### PROJECT LOCATION:



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## N. TRANSPORTATION

**PROJECT TITLE:** Sidewalk and Pedestrian Improvements

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$1,750,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This project provides for the construction of new sidewalks along existing roadways. Selected sidewalks are requested by petition, prioritized by staff and approved by Town Council. Sidewalks identified in the Imagine Cary Community Plan may also be implemented. The remediation of pedestrian mobility problems at intersections is addressed by this project as well. Examples include removing medians in crosswalks and adding or modifying wheelchair ramps and crosswalks. The scope of work completed at each intersection could be different based upon each intersection's specific needs. Intersections will be selected by staff and improvements implemented based on staff evaluation.

This project is partially funded with *Shaping Cary's Tomorrow* bond funds.

### PROJECT JUSTIFICATION:

Sidewalks are important to pedestrian safety and have become more important as an alternate mode of transportation. This project allows the Town to address sidewalk needs throughout Cary. Cary's sidewalk program was a consideration in Cary's designation as a Walk-Friendly Community.

### PROJECT LOCATION:

This project will occur in various locations as determined by petition and staff prioritization.

---

## O. TRANSPORTATION

**PROJECT TITLE:** Spot Improvements – Based on Levels of Service

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$250,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This project includes physical improvements at intersections and streets around Cary. Improvements could include the addition of left and right turn lanes, lengthening of turn lanes or other alternate intersection improvements to address traffic flow, capacity and safety. Intersections will be selected by staff and improvements implemented based on staff evaluation.

### PROJECT JUSTIFICATION:

Most traffic congestion challenges in Cary's transportation system are the result of the operations of individual intersections. Intersections are evaluated on a routine basis for Level of Service (LOS) in the morning and afternoon. This project implements improvements at intersections with the worst LOS ratings, as well as those with identified safety concerns.

### PROJECT LOCATION:

Recommendations of specific intersections for improvement will be brought to Council throughout the course of the fiscal year.

---

## P. TRANSPORTATION

**PROJECT TITLE:** Street Improvement Project

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$7,100,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This maintenance project provides asphalt patching and overlays for various Cary maintained streets. The \$7,100,000 FY 2021 appropriation supports Cary's pavement management program and focuses on the implementation of pavement quality improvements in accordance with generally accepted resurfacing cycles. This project is partially funded in FY 2021 with *Shaping Cary's Tomorrow* bond funds.

### PROJECT JUSTIFICATION:

Streets are selected for improvement based on a rating system. Staff reviews specific street maintenance needs each fall and formulates a list of streets to be presented to and approved by Town Council and addressed each spring.

### PROJECT LOCATION:

Recommendations of specific intersections for improvement will be brought to Council throughout the course of the fiscal year.



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## Q. TRANSPORTATION

**PROJECT TITLE:** Street Storm Drainage System Rehabilitation

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$300,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This maintenance project provides for storm drainage improvements to Cary's street drainage systems in the rights of way. Problem areas such as those where water stands at the curb, pipes fail, and/or freezing water remains on the road surface are examples of the types of maintenance issues addressed via this project. Cary's Public Works department will continue to perform routine maintenance functions to the street storm drainage system. Only projects beyond the scope of Public Works' normal functions would fall under this project. Some criteria to define when this project would apply include:

- work takes longer than one week to repair
- work requires additional right of way or easement
- work requires a detailed design; and/or work requires bidding.

### PROJECT JUSTIFICATION:

Routine maintenance of Cary's storm drainage system prevents failures and alleviates safety hazards. Cary staff annually evaluates the storm drainage system and ranks problem areas from highest priority to least. Funding is first applied to those projects ranked as highest priority.

### PROJECT LOCATION:

This project will occur at various locations as need arises.

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## R. TRANSPORTATION

**PROJECT TITLE:** Traffic Calming

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$140,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project facilitates the construction of traffic calming devices in residential areas throughout Cary.

**PROJECT JUSTIFICATION:**

As congestion increases, traffic volumes on Cary's residential streets grow. Additionally, improved interconnectivity between neighborhoods and major thoroughfares has allowed for more use of public streets. While the public has a right to use public roadways, safety concerns exist regarding the speed of vehicles traveling along residential streets. The traffic calming project primarily serves existing citizens by encouraging vehicles traveling through neighborhoods to drive the posted speed limit.

**PROJECT LOCATION:**

This project will occur at various locations as the need arises.



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## S. TRANSPORTATION

**PROJECT TITLE:** Traffic Signalization

**RESPONSIBLE DEPARTMENT:** Transportation and Facilities

**PROJECT FUNDING:** \$900,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



**PROJECT DESCRIPTION:**

This project provides for the installation of new traffic signals and poles at needed points on Town-maintained streets throughout Cary. Funds are also used to convert existing traffic signals to metal poles and mast arms as necessary.

**PROJECT JUSTIFICATION:**

Decisions on where new signals are to be placed and existing poles converted are based on signal studies analyzing signal warrants.

**PROJECT LOCATION:**

This project will occur at various locations as the need arises.

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**BE SAFE BE KIND BE CARY**

# FISCAL YEAR 2021 UTILITY CAPITAL IMPROVEMENTS

## Sewer Capital Improvements Fund

If utilizing this document in PDF, click on any item below to link to that information

A.	\$250,000	Basin S1, S2, S3 / Walnut Creek Improvements
B.	600,000	Cleaning and Video Survey of Sewer Interceptors
C.	750,000	Enterprise Resource Planning (ERP) Technology Platform Replacement - Sewer
D.	162,889	Extend Reclaimed Water Mains
E.	500,000	Force Main - Condition Assessment & Maintenance
F.	100,000	Force Main - Easement Clearing Project - Survey and Clear
G.	470,000	Heavy Duty Equipment Replacement - Sewer
H.	175,000	NCWRF - Inductively Coupled Plasma Mass Spectrometer Replacement
I.	200,000	Pump Station Grinder Exchange Rebuild/Replacement
J.	250,000	Pump Station Variable Frequency Drive (VFD) Replacements
K.	193,874	Reclaimed Water Line Oversizings
L.	210,000	Sanitary Sewer Oversizings and Related Infrastructure Acceptance Requirements
M.	250,000	SCWRF - Programmable Logic Controller Replacements
N.	250,000	SCWRF - Return Activated Sludge / Waste Activated Sludge Pump Station Improvements
O.	150,000	SCWRF - Ultraviolet (UV) Redundancy Engineering Study
P.	7,000,000	Sewer System Repair / Rehabilitation
Q.	500,000	Wastewater System - Department of Transportation (DOT) Relocates
R.	83,000	WWRWRF - Jet Aeration and Post Aeration Pumps Rebuild / Replace
S.	61,000	WWRWRF - Rebuild / Replace Mixers
	<b><u>\$12,155,763</u></b>	<b>Total</b>

*In the following individual project description pages, the estimated personnel, operating and maintenance impacts are provided to show a more comprehensive view of each project. Some projects will be completed mid-year; the impact shown is for the first full year after the project is complete. Any impact that begins after FY 2021 has been adjusted for inflation in the outer years.*

*Inflation is conservatively factored in at 5% per year. Some projects do not show annual impacts although there may be minor maintenance investments at various intervals after project completion.*

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## A. SEWER

**PROJECT TITLE:** Basin S1, S2, S3 / Walnut Creek Improvements

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$250,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides for capacity analysis and recommended improvements to ensure adequate collection system capacity within the area served by Walnut Creek Sewer Outfall and the Walnut Creek pump station. New development and redevelopment within sewer basins S1, S2, and S3 requires sufficient sewer capacity.

The FY 2021 appropriation of \$250,000 will fund the analysis which will determine future project scope and cost.

### PROJECT JUSTIFICATION:

New development or redevelopment will be hindered or delayed.

### PROJECT LOCATION:



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## B. SEWER

**PROJECT TITLE:** Cleaning and Video Survey of Sewer Interceptors

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$600,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This is a recurring initiative to provide regular maintenance and video inspection of sewer lines 15-inches and larger in diameter. Cleaning and inspection of sewer lines is part of the ongoing maintenance program for Cary's wastewater collection system. This work is routinely performed by Cary's wastewater collection crews on sewer lines 12-inches and smaller in size but would require a significant expansion in staffing and equipment for larger sewers. This project provides for this work to be performed on a contract basis with firms having the equipment and expertise to perform this work effectively.

Cleaning sewer lines removes debris and sediment that restricts flow and could ultimately result in sanitary sewer overflows. Video inspection provides important information regarding the condition of sewer lines.

### PROJECT JUSTIFICATION:

This project is critical to ensuring the viability of key sewer line infrastructure. Cleaning sewer lines removes debris and sediment that restricts flow and could ultimately result in sanitary sewer overflows. Video inspection provides important information regarding the condition of sewer lines.

### PROJECT LOCATION:

This project will occur at various locations within Cary's utility system.

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## C. SEWER

**PROJECT TITLE:** Enterprise Resource Planning (ERP) Technology  
Platform Replacement - Water

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$750,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

An ERP system manages all financial and human resources transactions/functions. These essential processes support core mission critical functions. Total project cost is \$6.5 million with \$5 million provided by the general fund and \$1.5 million from the utility fund (\$750,000 from the water category and \$750,000 from the sewer category).

### PROJECT JUSTIFICATION:

Cary's existing ERP system has been in place for 30 years and has exceeded its useful life. Implementation of a new ERP will improve processes, automate high-volume and repetitive tasks and increase productivity. Selecting a system that interfaces with our Salesforce technology will also lead to enhanced reporting and data analysis capabilities.

### PROJECT LOCATION:

This project is not associated with a specific location.



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## D. SEWER

**PROJECT TITLE:** Extend Reclaimed Water Mains

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$162,889

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This project funds the construction of reclaimed water mains in areas where links to the existing reclaimed water network are missing. The FY 2021 appropriation for this initiative totals \$162,889. Eventually, as the reclaimed water system network becomes more developed, the funding need for this program will decrease.

### PROJECT JUSTIFICATION:

Eliminating gaps between developer-installed lines and the existing system expedites Cary's ability to feed reclaimed water lines with reclaimed water to the maximum extent possible. In cases where gaps exist between existing lines and new, developer-installed lines, the new lines are temporarily fed with potable water until they can be tied into the system.

Extending reclaimed water mains will allow for increased utilization of Cary's reclaimed water system which will decrease demand for treated water for seasonal irrigation use. Without this project the ability to extend the system to additional customers will be delayed.

### PROJECT LOCATION:

This project will occur at various locations within Cary's utility system.

---

## E. SEWER

**PROJECT TITLE:** Force Main – Condition Assessment & Maintenance

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$500,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides for condition assessments of existing sanitary force mains and preventative maintenance and repairs at various pump station force mains throughout Cary's wastewater collection system. Proactive assessment and maintenance of sanitary force mains is necessary to prevent unplanned repairs and service disruption.

This project is recurring in nature with a \$500,000 funding need identified in each year of the FYs 2021 – 2041 CIB/P.

### PROJECT JUSTIFICATION:

Without this project, existing force mains will continue to deteriorate leading to failure, disruption of service and costly sewer system overflows.

### PROJECT LOCATION:

This project will occur at various locations within Cary's utility system.



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## F. SEWER

**PROJECT TITLE:** Force Main – Easement Survey and Clearing

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$100,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project facilitates clearing of wooded terrain in locations where Cary's force main piping is not located along easily accessed road easements. While the majority of pump station force main piping is located along easily accessible road easements, there are instances where pipelines are located in what has become dense vegetation.

Total project cost is estimated at \$1,400,000 with \$300,000 already appropriated and \$100,000 requested for FY 2021. An additional \$1,000,000 is requested outside the timeframe of the current CIB/P.

### PROJECT JUSTIFICATION:

Pump station force main pumping lines require periodic easement surveying, line location, and vegetation clearing.

### PROJECT LOCATION:

This project will occur at various locations within Cary's utility system.



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## G. SEWER

**PROJECT TITLE:** Heavy Duty Equipment Replacement - Sewer

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$470,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project supports a "pay-as-you-go" funding strategy that annually sets aside funding necessary for the replacement of heavy equipment as deemed necessary according to factors such as schedule, useful life expectancy, repair history and condition review. Cary's Fleet Management staff evaluates existing heavy equipment annually and recommends replacement for equipment that has met its life expectancy based on years, hours, maintenance, and repair.

### PROJECT JUSTIFICATION:

Timely replacement of equipment enhances operational efficiency and helps ensure operator safety.

### PROJECT LOCATION:

There is no specific location associated with this project.



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## H. SEWER

**PROJECT TITLE:** North Cary Water Reclamation Facility (NCWRF) - Inductively Coupled Plasma Mass Spectrometer Replacement



**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$175,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides for the replacement of the inductively coupled plasma (ICF) Mass Spectrometer acquired in 2009. The North Cary Water Reclamation Facility (NCWRF) operates a 12 million gallon per day advanced biological nutrient removal facility. The performance of the facility is measured by comparing sample data and analysis to permit requirements. This analytical device is used to measure metals concentrations and is necessary for National Pollutant Discharge Elimination System (NPDES) permit monitoring.

The North Cary Water Reclamation Facility owns and operates a State certified laboratory. This laboratory not only analyzes samples taken at the NCWRF but also samples from Cary's Pretreatment, Reclaimed Water staff and from other Cary facilities as needed.

Total project cost is estimated at \$425,00,000 with \$175,000 appropriated in FY 2021 with another \$250,000 scheduled in FY 2036 to replace this unit as it approaches the end of its useful life.

### PROJECT JUSTIFICATION:

The ICP mass spectrometer has a fifteen-year useful life and is utilized to evaluate compliance and certification samples for the content of metals. This unit is a very precise device requiring specific infrastructure, specialized training, and extensive laboratory knowledge to operate.

### PROJECT LOCATION:



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## I. SEWER

**PROJECT TITLE:** Pump Station Grinder Exchange Rebuild / Replacement

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$200,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This project provides funding for the continued replacement and repair of pump station influent grinders in advance of potential failure due to damage from extensive, continual use. Due to operation in harsh wastewater conditions and anticipated wear, approximately five to seven of Cary's 22 grinder assemblies will need to be rebuilt or replaced every 10 years.

Total project cost is estimated at \$2,640,000 with \$240,000 appropriated through FY 2020 and \$200,000 budgeted in FY 2021. An additional \$200,000 is identified in FY 2024 and \$2,000,000 outside the timeframe of the current CIB/P.

### PROJECT JUSTIFICATION:

Influent pump station grinders are designed to protect wastewater pumps by grinding up any debris that may find its way into the wastewater collection system. Grinders prevent large debris from clogging pumps and reducing or preventing pumping operations. Grinders help to maintain efficient pumping that reduces energy consumption, prevents the clogging of pumps that can lead to sewer overflows and reduces pump maintenance cost due to increase wear and tear.

### PROJECT LOCATION:

Replacements will occur at multiple pump stations where operational needs are best addressed.

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## J. SEWER



**PROJECT TITLE:** Pump Station Variable Frequency Drive Replacements

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$250,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### **PROJECT DESCRIPTION:**

This project provides funding for the phased replacement of variable frequency drives (VFDs) at Cary's wastewater pumping stations. Variable frequency drive motors power pumps that transport wastewater to one of Cary's water reclamation facilities for treatment. Variable pumping rates allow a pump to match incoming flow. This yields a smoother pumping operation and reduces the operation of the air release valves. The maintenance plan for this equipment replaces four (4) VFDs every three years.

Total project cost is estimated at \$1,900,000 with \$250,000 appropriated through FY 2020 and \$250,000 budgeted in FY 2021. An additional \$200,000 is identified in FY 2025 and \$1,200,000 outside the timeframe of the current CIB/P.

### **PROJECT JUSTIFICATION:**

The maintenance plan for this equipment replaces four (4) VFDs every three years.

### **PROJECT LOCATION:**

Replacements will occur where operational needs are best addressed.

---

## K. SEWER

**PROJECT TITLE:** Reclaimed Water Line Oversizings

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$193,874

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### **PROJECT DESCRIPTION:**

This routine project provides funding for reimbursements to developers for the cost of reclaimed water lines installed to serve needs beyond those of their individual projects.

Current Town of Cary policy allows developers to be reimbursed for the cost difference between installing infrastructure that serves only their needs and installing infrastructure that meets Cary's need to serve areas outside of the development. Reimbursements to developers are made upon completion and acceptance of the oversized reclaimed water lines.

### **PROJECT JUSTIFICATION:**

This project is growth-related and will increase Cary's utility service area. By installing infrastructure that meets Cary's need to serve areas outside of the development, this project ensures the system will have enough capacity to meet future demand.

### **PROJECT LOCATION:**

This project will occur at various locations as development occurs.

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## L. SEWER

**PROJECT TITLE:** Sanitary Sewer Oversizings and Related Infrastructure Acceptance Requirements

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$210,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This routine project provides funding for reimbursements to developers for the cost of sewer lines installed to serve needs beyond those of their individual projects. Funds are also utilized to perform consultant conducted inspections of developer-built infrastructure prior to Town acceptance.

Current Cary policy allows developers to be reimbursed for the cost difference between installing infrastructure that serves only their needs and installing infrastructure that meets Cary's need to serve areas outside of the development. Reimbursements to developers are made upon completion and acceptance of the oversized lines.

### PROJECT JUSTIFICATION:

This project is growth-related and will increase Cary's utility service area. By installing infrastructure that meets Cary's need to serve areas outside of the development, this project ensures the system will have enough capacity to meet future demand.

### PROJECT LOCATION:

This project will occur at various locations as development occurs.



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## M. SEWER

**PROJECT TITLE:** South Cary Water Reclamation Facility -  
Programmable Logic Controller Replacements



**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$250,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

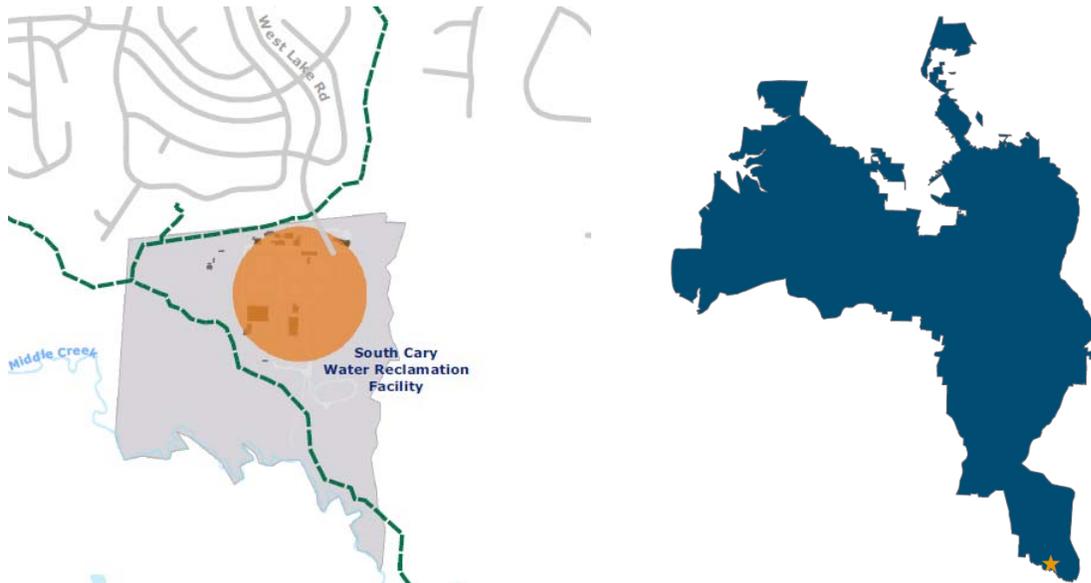
This project provides for the replacement of aging Programmable Logic Controller's at the South Cary Water Reclamation Facility (SCWRF), South Cary Reclaimed Water Facility, and the South Cary Thermal Biosolids Dryer Facility with current technology in processors, power supplies, switching systems, programming, service, and support. The items in this project offer programming changes and improvements that will support greater capacity.

The \$250,000 FY 2021 appropriation replaces PLCs for the Thermal Biosolids Dewatering and Drying Facilities.

### PROJECT JUSTIFICATION:

The facilities at South Cary utilize a network of Programmable Logic Controllers (PLC's) to monitor and control automated process equipment and provide data communication through a plant wide Supervisory Control and Data Acquisition (SCADA) network. The PLCs and SCADA network are critically important to monitoring and automation of the SCWRF biological nutrient removal facilities, the reclaimed water utility, and the Thermal Biosolids Dewatering and Drying Facilities. The logic controllers were originally installed in 1998 and have been very adaptable for over 15 years. With the advent of Ethernet based networks as the new platform, these PLCs have reached the end of their production life and will not be supported in the near future.

### PROJECT LOCATION:



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## N. SEWER

**PROJECT TITLE:** South Cary Water Reclamation Facility -  
Return Activated Sludge (RAS) / Waste Activated Sludge  
(WAS) Pump Station Improvements



**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$250,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

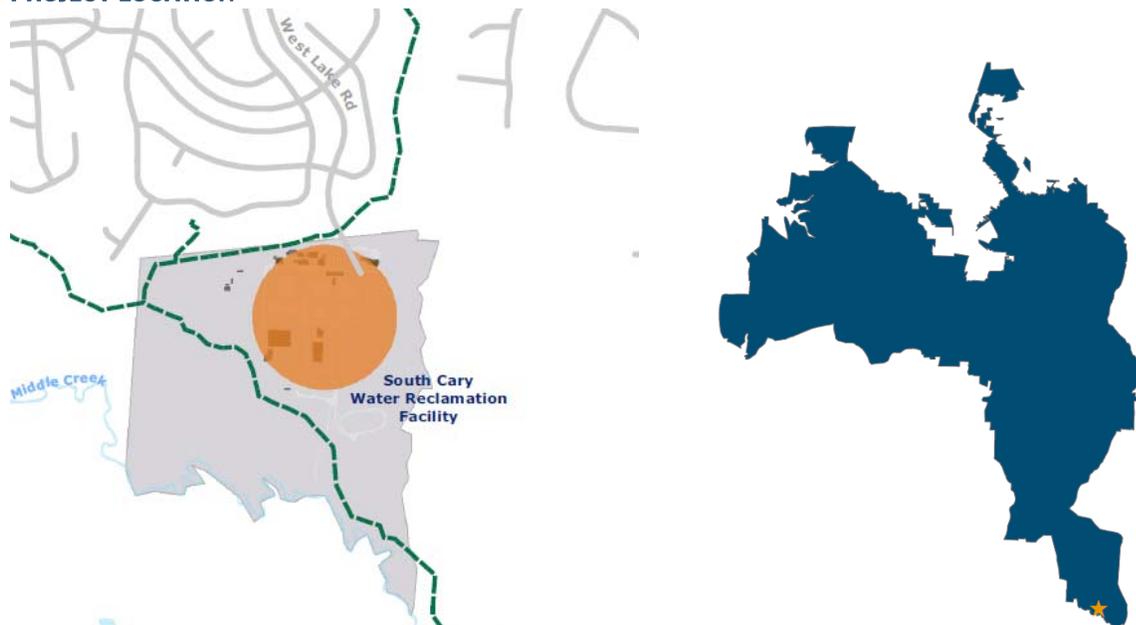
This project provides for improvements in the pumps, field instrumentation, automated pump and valve controls, and other appurtenances essential to the optimum operation of the pump stations that return activated sludge back to the South Cary Water Reclamation Facility (SCWRF) biological nutrient removal (BNR) process and wasting activated sludge to the South Cary aerated biosolids storage facilities.

The \$250,000 FY 2021 appropriation is expected to complete this project.

### PROJECT JUSTIFICATION:

These pump stations have been in service since 1998 and are essential to maintaining normal operation and optimum treatment at SCWRF.

### PROJECT LOCATION:



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## O. SEWER

**PROJECT TITLE:** South Cary Water Reclamation Facility -  
Ultraviolet Redundancy Engineering Study

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$150,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides for an engineering study to determine the most efficient and cost-effective approach for providing an updated, energy efficient ultraviolet (UV) system and to provide redundancy to the existing UV system which was installed in 2000. The South Cary Water Reclamation Facility (SCWRF) is a 12.8 million gallon per day advanced biological treatment facility that uses UV disinfection in the final stage of wastewater treatment.

The \$150,000 FY 2021 appropriation is expected to fully fund this study.

### PROJECT JUSTIFICATION:

Providing a redundant UV disinfection system for the SCWRF ensures that proper effluent disinfection levels are met in the event of an unexpected disruption to the existing UV system.

### PROJECT LOCATION:



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## P. SEWER

**PROJECT TITLE:** Sewer System Repair / Rehabilitation

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$7,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This project provides for maintenance of Cary's sewer system. Maintenance includes sewer main repair/rehabilitation, inflow/infiltration elimination, manhole repair and force main discharge manhole coating. Underground camera investigations, pipe cleaning and other field observation methods are employed to determine the system's maintenance needs. Repairs funded through this capital project are larger in scope than what can be performed in-house by the Utilities department.

### PROJECT JUSTIFICATION:

Sewer system rehabilitation eliminates inflow and infiltration into the system and keeps Cary's wastewater collection system operating properly by improving maintenance capability and eliminating structural deficiencies. Sewer lines and manholes in poor condition are sources of infiltration and inflow into Cary's wastewater collection system. Failure to adequately maintain and/or repair such conditions increases the likelihood of service disruption and sewer overflows.

### PROJECT LOCATION:

Repair and rehabilitation activity will occur throughout Cary's wastewater collection system.

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## Q. SEWER

**PROJECT TITLE:** Wastewater System – Department of Transportation (DOT) Relocates

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$500,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides for the relocation of wastewater collection system infrastructure as needed to accommodate NCDOT construction projects. Cary maintains an extensive network of utility lines adjacent to or within NCDOT road rights-of-way.

This project is recurring in nature with a \$500,000 funding need identified in each year of the FYs 2021 – 2041 CIB/P.

### PROJECT JUSTIFICATION:

The presence of utilities within NCDOT rights-of-way is authorized by encroachment agreements between the NCDOT and Cary and the Town is responsible for relocating its utilities if required to facilitate construction of roadway improvements, such as road widening or realignment.

### PROJECT LOCATION:

This project will occur at various locations as development occurs on an as needed basis.



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## R. SEWER

**PROJECT TITLE:** Western Wake Regional Water Reclamation Facility -  
Rebuild Jet Aeration and Post Aeration Pumps

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$83,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides pump rebuilds for air pumps in each basin and associated post aeration tanks. The Western Wake Regional Water Reclamation Facility operates an 18 MGD biological nutrient removal process. The facility has four biological reactor basins with six jet air pumps in each basin and two post aeration tanks with two jet air pumps in each tank. This stage of the treatment process depends on the use of jet air pumps for adequately mixing solids with process air and post aeration pumps for reaeration in the post aeration tank.

The \$83,000 FY 2021 appropriation initiates this project with another \$283,000 requested across fiscal years 2022 – 2025. This facility is jointly owned and maintained with the Town of Apex who is responsible for 21.3% of the cost with Cary addressing the remaining 78.7%.

### PROJECT JUSTIFICATION:

These pumps are key components in achieving operational compliance with discharge limits for biochemical oxygen demand (BOD), total nitrogen and total phosphorous.

### PROJECT LOCATION:



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## S. SEWER

**PROJECT TITLE:** Western Wake Regional Water Reclamation Facility –  
Rebuild / Replace Mixers

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$61,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

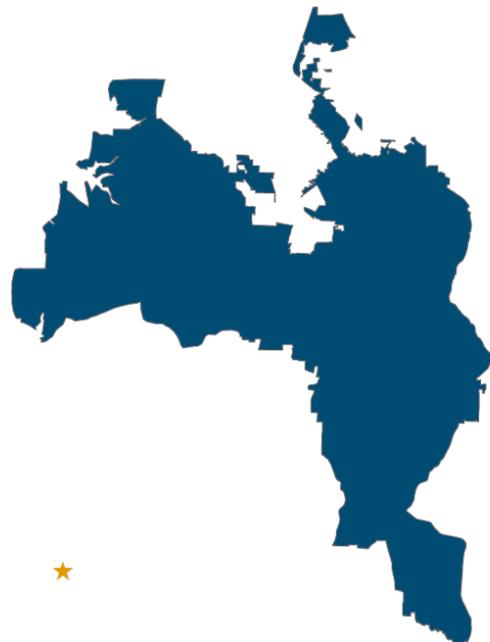
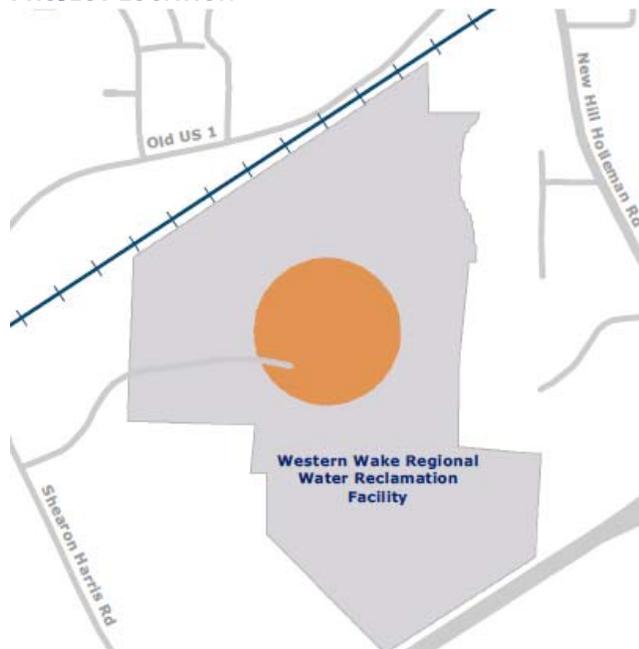
This project provides funding to rebuild or replace biological reactor basin mixers based on the manufacturer's equipment maintenance recommendations. The Western Wake Regional Water Reclamation Facility (WWRWRF) operates an 18 MGD biological nutrient removal process. The facility has four biological reactor basins with six mixers in each basin. This stage of the treatment process utilizes equipment that mixes product in the reactor cells, so the microorganism comes in contact with the organics in the wastewater.

The \$61,000 FY 2021 appropriation initiates this project with another \$326,000 identified across fiscal years 2022 – 2025. This facility is jointly owned and maintained with the Town of Apex who is responsible for 21.3% of the cost with Cary addressing the remaining 78.7%.

### PROJECT JUSTIFICATION:

These mixers are key components in achieving operational compliance with discharge limits.

### PROJECT LOCATION:



# FISCAL YEAR 2021 UTILITY CAPITAL IMPROVEMENTS

## WATER CAPITAL IMPROVEMENTS FUND

If utilizing this document in PDF, click on any item below to link to that information

A.	\$2,000,000	Aquastar Water Meter & Radio Replacement
B.	3,000,000	CAWTF - Basin Rehabilitation
C.	300,000	CAWTF - Fiber Optic Line to Facility
D.	2,000,000	CAWTF - Ozone Generator Replacements
E.	300,000	CAWTF - Residuals Facility Polymer System
F.	750,000	Enterprise Resource Planning (ERP) Technology Platform Replacement - Water
G.	800,000	Extend & Relocate Water Mains and Install Valves
H.	80,000	Heavy Duty Equipment Replacement - Water
I.	3,800,000	Kildaire Farm Road Water Line Reinforcement - Central
J.	5,000,000	Upgrade Water Lines
K.	185,000	Water Line Oversizings and Related Infrastructure Acceptance Requirements
L.	100,000	Water System - Air Release Valve Replacements
M.	175,000	Water System - Critical Water Line Locating and Testing
N.	500,000	Water System - Department of Transportation (DOT) Relocates
O.	125,000	Water System - Valve Replacements
P.	765,000	Watershed Protection
	<b><u>\$19,880,000</u></b>	<b>Total</b>

*In the following individual project description pages, the estimated personnel, operating and maintenance impacts are provided to show a more comprehensive view of each project. Some projects will be completed mid-year; the impact shown is for the first full year after the project is complete. Any impact that begins after FY 2021 has been adjusted for inflation in the outer years.*

*Inflation is conservatively factored in at 5% per year. Some projects do not show annual impacts although there may be minor maintenance investments at various intervals after project completion.*

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## A. WATER

**PROJECT TITLE:** Aquastar Water Meter & Radio Replacements

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$2,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides for the replacement of aging water meters and radios to ensure the Aquastar infrastructure continues to meet operational standards.

Prior to FY 2021 water meter and radio replacements were funded through the utility fund operating budget. The \$2,000,000 appropriation in FY 2021 is the first of annually recurring appropriations to maintain the Aquastar system.

### PROJECT JUSTIFICATION:

The Aquastar system helps facilitates water usage data collection and billing. As it ages, infrastructure needs to be replaced to ensure accurate data collection and billing.

### PROJECT LOCATION:

This project will occur in various locations within Cary's utility system as identified by staff.



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## B. WATER

**PROJECT TITLE:** Cary/Apex Water Treatment Facility – Basin Rehabilitation

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$3,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This project provides funding for the phased restoration of CAWTF's original and Phase I Expansion process basin equipment, dating from 1993 and 2001, respectively. This restoration will maintain the original form and function of key water treatment infrastructure and ensure that this critical infrastructure continues operating optimally.

The Cary/Apex Water Treatment Facility utilizes super pulsator clarifiers and gravity filters for core sedimentation and filtration processes. The plant has five super pulsators, with two commissioned in 1993 and three commissioned in 2001. There are also ten gravity filters with four commissioned in 1993 and six in 2001.

Total project cost is \$12,000,000 with \$3,000,000 appropriated in FY 2021 to accomplish the basin rehabilitation described above. The balance is requested in FY 2037 to replace the granular activated carbon in filters 1-16. This is a large-scale maintenance requirement to maintain performance in the biofiltration system. As with all Cary/Apex Water Treatment Facility projects, the Town of Apex is responsible for 23% of the project cost while Cary addresses the remaining 77%.

### PROJECT JUSTIFICATION:

Water flow and treatment processes have been operating almost continuously since original commissioning of these structures. Routine wear and tear on this process basin infrastructure requires periodic restoration and rehabilitation to ensure basins and processes continue operating to original form and function and treatment capacity is not impacted by critical failure.

### PROJECT LOCATION:



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## C. WATER

**PROJECT TITLE:** Cary/Apex Water Treatment Facility -  
Fiber Optic Line to Facility



**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$300,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides for the installation of a fiber optic line from the Town fiber line at Jenks Road to the Cary/Apex Water Treatment Facility (CAWTF), improving communications at the facility. With the installation of a Town fiber line along Highway 55, it is now possible to connect to Cary's network in a cost-effective manner.

The \$300,000 FY 2021 appropriation fully funds this project. As with all Cary/Apex Water Treatment Facility projects, the Town of Apex is responsible for 23% of the project cost while Cary addresses the remaining 77%.

### PROJECT JUSTIFICATION:

Efficient communication between CAWTF and remote sites is very important, especially in emergency situations, such as line breaks. Without this project, communication options are more limited, with greater potential to lose communication to remote sites or to other Cary facilities.

### PROJECT LOCATION:



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## D. WATER

**PROJECT TITLE:** Cary/Apex Water Treatment Facility -  
Ozone Generator Replacements

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$2,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** \$1,000



### PROJECT DESCRIPTION:

This project provides for the replacement of the three original ozone generators at the Cary/Apex Water Treatment Facility, which were originally installed in 2002. This equipment has a typical service life of approximately 20 years and will require replacement to maintain adequate ozonation capacity at the plant.

The Cary/Apex Water Treatment Facility utilizes ozone as an advanced treatment process that acts as a critical barrier in the overall water treatment process by providing for the removal and control of organics, taste and odor compounds, and harmful microbiological contaminants. The ozone is formed by reacting gaseous oxygen with high voltage electricity in the core of the ozone generator vessel. Ozone is key in the water plant's drinking water compliance strategy. Loss of adequate ozonation capacity at the Cary/Apex Water Treatment Facility would critically impact the plant's ability to produce drinking water that is consistently of high quality and meets all regulatory requirements.

Total project cost is estimated at \$5,500,000 with \$2,000,000 appropriated to date and an additional \$2,000,000 in FY 2021. Another \$1,500,000 funding need is identified in FY 2022 and is expected to complete the project. As with all Cary/Apex Water Treatment Facility projects, the Town of Apex is responsible for 23% of the project cost while Cary addresses the remaining 77%.

### PROJECT JUSTIFICATION:

Ozone is key in the water plant's drinking water compliance strategy. Loss of adequate ozonation capacity at the Cary/Apex Water Treatment Facility would critically impact the plant's ability to produce drinking water that is consistently of high quality and meets all regulatory requirements.

### PROJECT LOCATION:



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## E. WATER

**PROJECT TITLE:** Cary/Apex Water Treatment Facility - Residuals Facility Polymer System

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$300,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This project provides for the replacement of the existing system with a new dry and emulsion polymer system and an examination of the existing building footprint.

Total project cost is estimated at \$800,000 with \$300,000 appropriated in FY 2021. The expected life of these facilities are about 15 years, so future funding has been added in FY 2036. As with all Cary/Apex Water Treatment Facility projects, the Town of Apex is responsible for 23% of the project cost while Cary addresses the remaining 77%.

### PROJECT JUSTIFICATION:

The current system is built for 40 MGD capacity while the replacement system will allow the facility to function at its total 56 MGD capacity.

### PROJECT LOCATION:



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## F. WATER

**PROJECT TITLE:** Enterprise Resource Planning (ERP) Technology  
Platform Replacement - Water

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$750,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

An ERP system manages all financial and human resources transactions/functions. These essential processes support core mission critical functions. Total project cost is \$6.5 million with \$5 million provided by the general fund and \$1.5 million from the utility fund (\$750,000 from the water category and \$750,000 from the sewer category).

### PROJECT JUSTIFICATION:

Cary's existing ERP system has been in place for 30 years and has exceeded its useful life. Implementation of a new ERP will improve processes, automate high-volume and repetitive tasks and increase productivity. Selecting a system that interfaces with our Salesforce technology will also lead to enhanced reporting and data analysis capabilities.

### PROJECT LOCATION:

This project is not associated with a specific location.



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## G. WATER

**PROJECT TITLE:** Extend and Relocate Water Mains and Install Valves

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$800,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

**PROJECT DESCRIPTION:**

This project provides funding for the construction of water mains where gaps exist between the existing water system and new development.

The FY 2021 budget includes \$800,000 for work of this nature.

**PROJECT JUSTIFICATION:**

This project enhances the efficient operation of the water system and provides system redundancy to minimize the need to discontinue water supply to areas during water line maintenance.

**PROJECT LOCATION:**

This project will occur at various locations as development occurs.



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## H. WATER

**PROJECT TITLE:** Heavy Duty Equipment Replacement - Water

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$80,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project supports a "pay-as-you-go" funding strategy that annually sets aside funding necessary for the replacement of heavy equipment as deemed necessary according to factors such as schedule, useful life expectancy, repair history and condition review. Cary's Fleet Management staff evaluates existing heavy equipment annually and recommends replacement for equipment that has met its life expectancy based on years, hours, maintenance, and repair.

### PROJECT JUSTIFICATION:

Timely replacement of equipment enhances operational efficiency and helps ensure operator safety.

### PROJECT LOCATION:

There is no specific location associated with this project.



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## I. WATER

**PROJECT TITLE:** Kildaire Farm Road Water Line Reinforcement - Central

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$3,800,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides for the design, easement acquisition, permitting and installation of 7,700 linear feet of 20-inch water line along Kildaire Farm Road between Maynard Road and McEnroe Court to reinforce the existing line.

Total project cost is estimated at \$10,700,000 with \$6,900,000 appropriated to date. The \$3,800,000 FY 2021 appropriation is expected to complete this project.

### PROJECT JUSTIFICATION:

Reinforcing the existing water line provides additional water service capacity to help address peak demand needs and instances where high flow is needed for firefighting. The existing line is a fiber cement pipe that is nearing the end of its useful life. Due to the complexity of this corridor, it is recommended that this new line reinforce and replace the existing line to avoid a second project in the future to replace it.

### PROJECT LOCATION:



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## J. WATER

**PROJECT TITLE:** Upgrade Water Lines

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$5,000,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### **PROJECT DESCRIPTION:**

This project provides funding for upgrades to existing small diameter or otherwise deficient lines within Cary's water line system. Needs are identified through field research conducted by Utilities staff. Once these needs are addressed, this project will migrate to a program of proactive system management that systematically replaces and upgrades aging infrastructure before acute needs are able to fully develop.

### **PROJECT JUSTIFICATION:**

This project is service related. It improves service by replacing older and small-sized lines which tend to require more frequent maintenance. Hydraulic capacity and efficiency will also increase within the upgraded portions of the water distribution system.

### **PROJECT LOCATION:**

This project will occur throughout Cary's utility system.

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## K. WATER

**PROJECT TITLE:** Water Line Oversizings and Related Infrastructural Acceptance Requirements

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$185,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides funding for reimbursements to developers for the cost of water lines installed to serve needs beyond those of their individual projects. Funds are also utilized to perform consultant conducted inspections of developer-built infrastructure prior to Town acceptance.

Current Town policy allows developers to be reimbursed for the cost difference between installing infrastructure that serves only their needs and installing infrastructure that meets Cary's need to serve areas outside of the development. Reimbursements to developers are made upon completion and acceptance of the oversized lines.

### PROJECT JUSTIFICATION:

This project is growth-related and will increase Cary's utility service area. By installing infrastructure that meets Cary's need to serve areas outside of the development, this project ensures the system will have enough capacity to meet future demand.

### PROJECT LOCATION:

This project will occur at various locations as development occurs.



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## L. WATER

**PROJECT TITLE:** Water System – Air Release Valve Replacements

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$100,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### **PROJECT DESCRIPTION:**

This project provides funding for air release valve (ARV) testing, inspection, and replacement in the water distribution system especially in areas with aging distribution systems with higher risk of water main breaks. Air release valves are essential to proper operation of Cary's water distribution system, which is approaching nearly 1,000 miles of distribution pipe. Air release valves are provided to release air at higher elevations within water system pipelines.

This project is recurring in nature with a \$100,000 funding need identified in every other year of the FYs 2021 – 2041 CIB/P.

### **PROJECT JUSTIFICATION:**

Proper operation of air release valves reduces energy demand and helps with preventing water hammer, which can trigger water main breaks and water system leaks. ARV replacements in aging areas may require supplemental construction including new manholes along with main pipeline replacements and point repairs as needed.

### **PROJECT LOCATION:**

This project will occur throughout Cary's utility system.

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## M. WATER

**PROJECT TITLE:** Water System – Critical Water Line Locating and Testing

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$175,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides for locating, identifying, and testing key water pipeline infrastructure critical to overall water system operations. This project is recurring in nature with a \$175,000 funding need identified in each year of the FYs 2020 – 2041 CIB/P. This level of funding provides for location of 8 to 12 miles of line coverage per year.

The primary focus of this project is to locate water transmission lines 12-inches and larger, specific smaller diameter lines may also be included. Areas determined by Cary staff as being in the greatest need of utility locating improvements and/or with water lines at greatest risk of failure would be located first.

### PROJECT JUSTIFICATION:

This project is pivotal in ensuring the viability of key water pipeline infrastructure.

### PROJECT LOCATION:

This project will occur at various locations within Cary's water line system.



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## N. WATER

**PROJECT TITLE:** Water System – Department of Transportation (DOT) Relocates

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$500,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None

### PROJECT DESCRIPTION:

This project provides for the relocation of water main infrastructure as needed to accommodate NCDOT construction projects. Cary maintains an extensive network of utility lines adjacent to or within NCDOT road rights-of-way.

This project is recurring in nature with a \$500,000 funding need identified in each year of the FYs 2021 – 2041 CIB/P.

### PROJECT JUSTIFICATION:

The presence of utilities within NCDOT rights-of-way is authorized by encroachment agreements between the NCDOT and Cary and the Town is responsible for relocating its utilities if required to facilitate construction of roadway improvements, such as road widening or realignment.

### PROJECT LOCATION:

This project will occur at various locations as development occurs on an as needed basis.



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## O. WATER

**PROJECT TITLE:** Water System - Valve Replacements

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$125,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

This project provides funding to replace aging valve installations in critical locations within the water distribution system. This project is recurring in nature with a \$125,000 funding need identified in each year of the FYs 2021 – 2041 CIB/P.

Funding is primarily provided for larger valves on pipelines 12-inches or larger, including installations in critical locations and other smaller sizes and locations as needed to sustain water system operations. These larger valve installations often require contractor assistance for installation and may require supplemental traffic control and pavement restoration as needed for a complete and timely installation.

### PROJECT JUSTIFICATION:

Water system valves are critical to proper operation, maintenance, and emergency response as needed to isolate areas within the water system quickly and efficiently. Cary's water system now includes more than 25,000 valves. As the system continues to age, proper valve operation and maintenance is essential to support aging pipeline renewal and replacement; to provide timely and responsive isolation of water main breaks; and to support routine water system maintenance operations such as the annual disinfection switchover and flushing program.

### PROJECT LOCATION:

This project will occur as needed at various locations within Cary's utility system.

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## P. WATER

**PROJECT TITLE:** Watershed Protection

**RESPONSIBLE DEPARTMENT:** Utilities

**PROJECT FUNDING:** \$765,000

**FIRST YEAR ESTIMATED OPERATING COSTS:** None



### PROJECT DESCRIPTION:

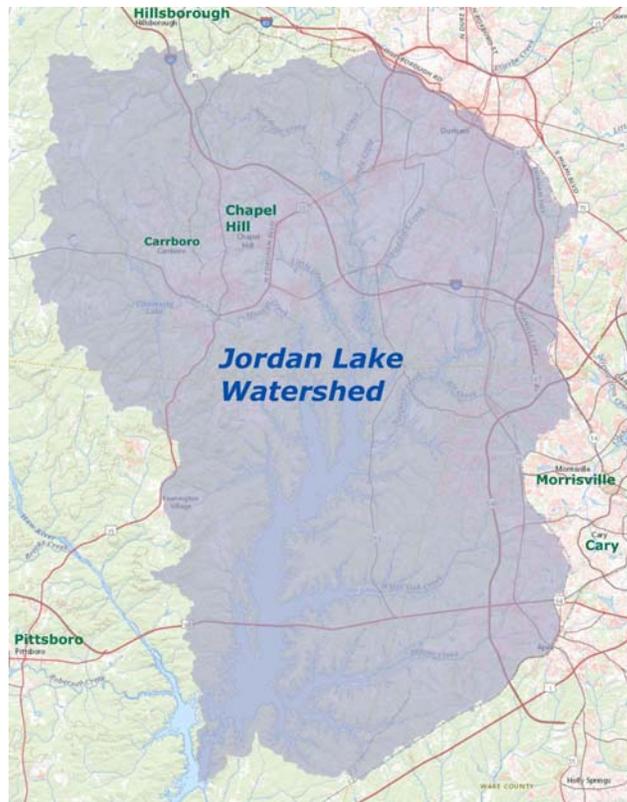
This project provides funding for watershed protection efforts in the Jordan Lake watershed. These efforts will seek to conserve the upstream land, streams, and creeks with the goal of mitigating rain and storm runoff to protect drinking water supply and quality. This project is recurring in nature with a \$765,000 funding need identified in each year of the FYs 2021 – 2041 CIB/P. The appropriations amount is roughly equivalent to 15 cents for every 1,000 gallons consumed by Cary customers.

### PROJECT JUSTIFICATION:

Water quality is important to the efficient, effective operation of the Cary/Apex Water Treatment Facility (CAWTF). Having good water supply coming into CAWTF results in decreased operating costs.

### PROJECT LOCATION:

This project will occur as needed at various locations within the Jordan Lake watershed.



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## CARY CAPITAL IMPROVEMENTS BUDGET AND TWENTY-YEAR PLAN

Project Category and Type	Project Title	Project Total	Appropriated Through FY2020	FY 2021 Adopted	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026 to FY 2041
<b>DOWNTOWN</b>									
Major Maintenance									
	Rogers Alley Improvements	500,000	-	200,000	300,000	-	-	-	-
	<b>Major Maintenance Total</b>		-	200,000	300,000	-	-	-	-
Planning									
	Downtown - Bid Development Fees	3,050,399	1,550,399	500,000	500,000	500,000	-	-	-
	<b>Planning Total</b>		1,550,399	500,000	500,000	500,000	-	-	-
Special Projects									
	Downtown Strategic Parking and Mobility Plan	250,000	-	250,000	-	-	-	-	-
	<b>Special Projects Total</b>		-	250,000	-	-	-	-	-
	<b>DOWNTOWN Total</b>		1,550,399	950,000	800,000	500,000	-	-	-
<b>FIRE</b>									
Equipment									
	Self Contained Breathing Apparatus (SCBA) Replacement	10,564,383	-	2,000,000	-	-	-	-	8,564,383
	Thermal Imaging Camera Replacement	1,029,000	-	-	-	-	291,000	-	738,000
	<b>Equipment Total</b>		-	2,000,000	-	-	291,000	-	9,302,383
Fire Apparatus									
	Aerial Ladder Replacement	22,409,000	1,500,000	-	1,535,000	-	-	850,000	18,524,000
	Fire Pumper Replacement	16,303,000	-	-	-	-	2,613,000	-	13,690,000
	Fire Station 10 Pumper (O'Kelly Chapel Rd)	850,000	-	-	850,000	-	-	-	-
	Rescue Truck Replacement	4,262,000	-	-	-	-	-	-	4,262,000
	<b>Fire Apparatus Total</b>		1,500,000	-	2,385,000	-	2,613,000	850,000	36,476,000
Special Projects									
	Fire Station Rehabilitation	12,062,000	282,000	100,000	100,000	100,000	-	-	11,480,000
	<b>Special Projects Total</b>		282,000	100,000	100,000	100,000	-	-	11,480,000
	<b>FIRE Total</b>		1,782,000	2,100,000	2,485,000	100,000	2,904,000	850,000	57,258,383
<b>GENERAL</b>									
Acquisition - Land									
	Stormwater Open Space Planning	11,148,248	648,248	500,000	500,000	500,000	500,000	500,000	8,000,000
	<b>Acquisition - Land Total</b>		648,248	500,000	500,000	500,000	500,000	500,000	8,000,000
Control Systems									
	Internal Security	872,000	-	218,000	218,000	218,000	218,000	-	-
	<b>Control Systems Total</b>		-	218,000	218,000	218,000	218,000	-	-
Equipment									
	Heavy Duty Equipment Replacement - General	22,850,000	4,100,000	600,000	600,000	600,000	600,000	600,000	15,750,000
	Sanitation and Recycling Truck Replacement	70,790,965	18,790,965	1,000,000	1,500,000	500,000	2,250,000	2,250,000	44,500,000
	<b>Equipment Total</b>		22,890,965	1,600,000	2,100,000	1,100,000	2,850,000	2,850,000	60,250,000
Major Maintenance									
	ADA Improvements - Town Facilities	8,285,350	2,085,350	1,000,000	1,000,000	1,000,000	500,000	500,000	2,200,000
	Facility Painting Interior and Exterior	2,260,000	170,000	85,000	105,000	115,000	190,000	90,000	1,505,000
	HVAC Replacements and Major Maintenance	4,148,000	298,000	210,000	135,000	110,000	190,000	250,000	2,955,000
	Internal Roads Resurfacing	1,950,000	1,260,000	420,000	-	270,000	-	-	-
	Parking Decks Major Maintenance	628,000	30,000	-	55,000	-	-	85,000	458,000
	Parking Lot Resurfacing and Renovations	3,207,000	205,000	90,000	120,000	142,000	175,000	-	2,475,000
	Police Evidence Room	3,400,000	2,800,000	600,000	-	-	-	-	-
	Roof Assessment and Rehabilitation Program	17,677,000	1,970,000	800,000	95,000	787,000	-	-	14,025,000
	<b>Major Maintenance Total</b>		8,818,350	3,205,000	1,510,000	2,424,000	1,055,000	925,000	23,618,000

## CARY CAPITAL IMPROVEMENTS BUDGET AND TWENTY-YEAR PLAN

Project Category and Type		Project Title	Project Total	Appropriated Through FY2020	FY 2021 Adopted	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026 to FY 2041
Planning		Affordable Housing - Housing Capital Projects	8,250,124	1,950,124	300,000	300,000	300,000	300,000	300,000	4,800,000
		Affordable Housing - Minimum Housing Demolition	1,114,500	164,500	-	37,500	37,500	37,500	37,500	800,000
		Downtown - Downtown Rehabilitation and Façade Improvement Program	1,043,591	593,591	50,000	50,000	50,000	50,000	50,000	200,000
		<b>Planning Total</b>		2,708,215	350,000	387,500	387,500	387,500	387,500	5,800,000
Special Projects		Cary Indoor Sports Facility	200,000,000	-	7,000,000	17,000,000	165,000,000	11,000,000	-	-
		Enterprise Resource Platform Replacement	5,000,000	-	5,000,000	-	-	-	-	-
		Facility Long-Term Operations & Maintenance Plan	700,000	350,000	200,000	150,000	-	-	-	-
		Facility Security	100,000	-	100,000	-	-	-	-	-
		Historic Preservation of Character Structures	2,029,161	1,029,161	500,000	500,000	-	-	-	-
		Jordan Lake Retrofits - Stormwater Related	2,450,000	-	-	-	-	-	-	2,450,000
		Salesforce Phase II	1,900,000	-	1,300,000	600,000	-	-	-	-
		Town Hall Access Improvements and Office Space Modifications	1,480,000	1,040,000	440,000	-	-	-	-	-
		Town Wi-Fi	800,000	-	800,000	-	-	-	-	-
		Western Cary Community Facility	56,727,600	-	1,000,000	897,600	7,330,000	-	-	47,500,000
		<b>Special Projects Total</b>		2,419,161	16,340,000	19,147,600	172,330,000	11,000,000	-	49,950,000
Storm Drainage		Storm Drainage Project - Private Assistance	8,903,538	423,538	300,000	300,000	300,000	500,000	500,000	6,580,000
		Storm Drainage Project - Town Properties	10,992,153	792,153	300,000	300,000	300,000	600,000	600,000	8,100,000
		Stormwater Condition Assessment & Rehabilitation Program	21,600,000	2,850,000	800,000	800,000	800,000	800,000	800,000	14,750,000
		<b>Storm Drainage Total</b>		4,065,691	1,400,000	1,400,000	1,400,000	1,900,000	1,900,000	29,430,000
Stormwater		Stormwater Sensors	1,799,000	350,000	200,000	102,000	110,000	112,000	125,000	800,000
		<b>Stormwater Total</b>		350,000	200,000	102,000	110,000	112,000	125,000	800,000
		<b>GENERAL Total</b>		41,900,630	23,813,000	25,365,100	178,469,500	18,022,500	6,687,500	177,848,000

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## PARKS

Greenways		Black Creek Greenway - Phases I, II and V	7,904,700	6,904,700	1,000,000	-	-	-	-	-
		Camp Branch (Churchill Estates) Greenway	6,400,000	-	-	-	-	-	-	6,400,000
		Crabtree Creek Trail Weston Parkway Crossing	3,515,000	3,265,000	250,000	-	-	-	-	-
		Dutchman's Branch Greenway - Phase II	2,500,000	-	-	-	-	-	-	2,500,000
		Higgins Greenway	4,490,000	3,990,000	500,000	-	-	-	-	-
		Hinshaw Greenway Renovation	1,700,000	200,000	-	1,500,000	-	-	-	-
		Swift Creek Greenway (Lake Pine Drive to Regency Parkway)	30,300,000	300,000	-	-	-	4,000,000	-	26,000,000
		Walnut Creek Greenway & Stormwater Corridor	8,550,000	150,000	-	-	-	-	-	8,400,000
		<b>Greenways Total</b>		14,809,700	1,750,000	1,500,000	-	4,000,000	-	43,300,000
Major Maintenance		Athletic Field Fencing Amenities Replacement	1,493,000	-	20,000	-	50,000	100,000	51,000	1,272,000
		Athletic Field Fencing Repair / Replacement	1,837,000	-	105,000	95,000	-	105,000	95,000	1,437,000
		Athletic Field Lighting Replacement	1,915,000	-	-	665,000	-	-	-	1,250,000
		Downtown - Downtown Park Fountain Maintenance	2,930,000	-	-	100,000	-	-	-	2,830,000
		Greenway Pedestrian Structure Repair	6,410,000	310,000	250,000	270,000	270,000	280,000	100,000	4,930,000
		Greenway Resurfacing	12,516,000	651,000	340,000	450,000	500,000	500,000	105,000	9,970,000
		Historic Preservation of Character Structures	3,200,000	-	-	-	-	600,000	2,600,000	-
		Indoor Athletic Court Resurfacing	510,000	-	-	40,000	40,000	40,000	40,000	350,000

## CARY CAPITAL IMPROVEMENTS BUDGET AND TWENTY-YEAR PLAN

Project Category and Type		Project Total	Appropriated Through FY2020	FY 2021 Adopted	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026 to FY 2041
	Playground Surface Repairs/Replacement	1,945,000	170,000	85,000	85,000	65,000	90,000	90,000	1,360,000
	PRCR AV Equipment Replacement	3,665,000	-	250,000	260,000	95,000	75,000	100,000	2,885,000
	Sports Turf Field Replacement	8,850,000	-	-	-	-	-	500,000	8,350,000
	Tennis Court Renovations	1,778,000	104,000	16,000	112,000	88,000	16,000	112,000	1,330,000
	Tennis/Pickle Ball Court Fencing Repair/Replacement	890,000	-	-	-	80,000	-	-	810,000
	Veterans Freedom Monument Lighting Maintenance	70,000	-	70,000	-	-	-	-	-
	<b>Major Maintenance Total</b>		1,235,000	1,136,000	2,077,000	1,188,000	1,806,000	3,793,000	36,774,000
<b>Parks</b>									
	Carpenter Fire Station Neighborhood Park	20,650,000	11,750,000	8,900,000	-	-	-	-	-
	Lexie Lane Neighborhood Park Redevelopment	9,400,000	-	-	-	-	-	-	9,400,000
	McCrimmon Neighborhood Park	14,800,000	8,700,000	6,100,000	-	-	-	-	-
	Penny Road School Park Refurbishment	1,800,000	1,000,000	-	800,000	-	-	-	-
	Tryon Road Neighborhood Park	10,000,000	-	-	-	-	-	1,000,000	9,000,000
	Veterans Freedom Park Expansion	2,000,000	-	-	-	-	-	200,000	1,800,000
	<b>Parks Total</b>		21,450,000	15,000,000	800,000	-	-	1,200,000	20,200,000
<b>Public Art</b>									
	Public Art - Park and Greenway Amenities	955,000	45,000	25,000	30,000	30,000	30,000	35,000	760,000
	<b>Public Art Total</b>		45,000	25,000	30,000	30,000	30,000	35,000	760,000
<b>Renovations - Park &amp; Greenway</b>									
	Cross Country Replacement	1,000,000	-	-	-	-	-	-	1,000,000
	Godbold Park Tennis Courts, Restroom & Playground Renovation	2,025,000	-	-	225,000	-	1,800,000	-	-
	Middle Creek Tennis Court Replacement	1,150,000	-	-	-	150,000	-	-	1,000,000
	Park Renovations	16,500,000	400,000	400,000	500,000	500,000	500,000	-	14,200,000
	Playground Upgrades	9,785,500	1,000,000	-	550,000	780,000	750,000	520,000	6,185,500
	Restroom Replacement	725,000	25,000	25,000	325,000	350,000	-	-	-
	Sertoma Amphitheater Improvements	1,000,000	200,000	-	-	-	-	-	800,000
	<b>Renovations - Park &amp; Greenway Total</b>		1,625,000	425,000	1,600,000	1,780,000	3,050,000	520,000	23,185,500
<b>Special Facilities</b>									
	Cary Arts Center Lighting for Glass Wall Maintenance	88,500	-	29,500	-	-	-	-	59,000
	Cary Tennis Park Repair & Maintenance - Court & Site	13,190,000	770,000	770,000	320,000	180,000	1,520,000	2,620,000	7,010,000
	Cary Tennis Park Repair & Maintenance - Structures	6,730,000	110,000	110,000	100,000	1,620,000	680,000	380,000	3,730,000
	Koka Booth Amphitheatre Improvements	2,065,000	785,000	735,000	245,000	-	-	300,000	-
	Koka Booth Amphitheatre Site & Structures	19,500,000	-	-	1,000,000	1,000,000	500,000	1,000,000	16,000,000
	Skate Park Improvements	5,600,000	-	200,000	-	-	1,800,000	-	3,600,000
	The Cary Marquee Lighting Maintenance	103,500	-	34,500	-	-	-	-	69,000
	Thomas Brooks Park Improvements	5,760,000	-	-	-	-	-	60,000	5,700,000
	USA Baseball Maintenance & Repair - Fields & Site	14,850,000	40,000	40,000	700,000	460,000	320,000	-	13,290,000
	USA Baseball Maintenance & Repair - Structures	3,500,000	250,000	250,000	200,000	20,000	20,000	30,000	2,730,000
	WakeMed Soccer Park Maintenance & Repair - Fields & Site	11,480,000	170,000	170,000	120,000	1,960,000	-	190,000	8,870,000
	WakeMed Soccer Park Maintenance & Repair - Structures	18,060,000	510,000	510,000	900,000	510,000	1,140,000	2,480,000	12,010,000
	<b>Special Facilities Total</b>		2,635,000	2,849,000	3,585,000	5,750,000	5,980,000	7,060,000	73,068,000
<b>Special Projects</b>									
	Fenton - Greenway Improvements Reimbursement	1,348,400	-	-	-	1,348,400	-	-	-
	Park, Greenway and Facility Sign Plan Implementation	1,025,000	445,000	-	50,000	-	50,000	-	480,000
	<b>Special Projects Total</b>		445,000	-	50,000	1,348,400	50,000	-	480,000
	<b>PARKS Total</b>		42,244,700	21,185,000	9,642,000	10,096,400	14,916,000	12,608,000	197,767,500

## CARY CAPITAL IMPROVEMENTS BUDGET AND TWENTY-YEAR PLAN

Project Category and Type	Project Title	Project Total	Appropriated Through FY2020	FY 2021 Adopted	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026 to FY 2041
<b>SEWER</b>									
<b>Equipment</b>									
	Heavy Duty Equipment Replacement - Sewer	18,540,000	2,570,000	470,000	350,000	350,000	400,000	400,000	14,000,000
	<b>Equipment Total</b>		2,570,000	470,000	350,000	350,000	400,000	400,000	14,000,000
<b>Major Maintenance</b>									
	Roof Assessments and Rehabilitation - Sewer	3,405,000	45,000	-	360,000	-	300,000	-	2,700,000
	<b>Major Maintenance Total</b>		45,000	-	360,000	-	300,000	-	2,700,000
<b>Pump Stations and Force Mains</b>									
	Aviation Pump Station - Station Upgrades	750,000	-	-	-	-	-	-	750,000
	Beaver Creek Pump Station - Pump Rebuild and Odor Control	2,500,000	-	-	-	-	-	750,000	1,750,000
	Bells Lake Road Pump Station, Interceptor, and Force Main	3,000,000	-	-	-	-	-	-	3,000,000
	Dutchman's Branch Pump Station, Interceptor, and Force Main	5,300,000	800,000	-	-	-	-	-	4,500,000
	Hollybrook Pump Station Relocation	2,400,000	-	-	-	-	-	-	2,400,000
	KCPS and MBRPS Force Main Parallel along Green Level Church Road	4,800,000	2,800,000	-	2,000,000	-	-	-	-
	Morris Branch Pump Station Improvements	400,000	-	-	-	150,000	-	-	250,000
	Reedy Creek Regional Pump Station - Force Main, Interceptor and Pump Station Eliminations	7,500,000	-	-	-	-	-	-	7,500,000
	Rocky Branch Pump Station, Interceptor, and Force Main	6,230,430	-	-	1,000,000	-	-	-	5,230,430
	Swift Creek Pump Station - Improvements	2,500,000	-	-	-	-	-	-	2,500,000
	Swift Creek Pump Station - Pump Replacements	1,000,000	-	-	-	1,000,000	-	-	-
	Swift Creek Pump Station - Variable Frequency Drive, 575 Volt	1,200,000	-	-	-	-	-	-	1,200,000
	Walnut Creek Pump Station - Improvements	1,500,000	-	-	-	-	1,500,000	-	-
	West Cary Pump Station - Pump Rebuild and Odor Control	1,450,000	-	-	-	-	-	-	1,450,000
	<b>Pump Stations and Force Mains Total</b>		3,600,000	-	3,000,000	1,150,000	1,500,000	750,000	30,530,430
<b>Reclaimed Water</b>									
	Extend Reclaimed Water Mains	5,456,429	318,022	162,889	171,033	179,588	188,567	197,995	4,238,335
	North Cary Water Reclamation Facility - Reclaimed Water Pumping/Chemical Feed System Replacement	250,000	-	-	-	-	-	-	250,000
	Reclaimed Water Line Oversizings	7,713,140	378,516	193,874	200,000	206,000	212,180	218,545	6,304,025
	Reclaimed Water System Master Plan Update	675,000	-	-	-	-	-	225,000	450,000
	South Cary Water Reclamation Facility - Reclaimed Water, Distribution Pipe Replacement	1,000,000	-	-	-	1,000,000	-	-	-
	<b>Reclaimed Water Total</b>		696,538	356,763	371,033	1,385,588	400,747	641,540	11,242,360
<b>Sewer System Repair/Rehabilitation</b>									
	Sewer System Repair/Rehabilitation	175,500,000	12,000,000	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000	128,500,000
	<b>Sewer System Repair/Rehabilitation Total</b>		12,000,000	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000	128,500,000
<b>Special Projects</b>									
	Enterprise Resource Platform Replacement - Sewer	750,000	-	750,000	-	-	-	-	-
	<b>Special Projects Total</b>		-	750,000	-	-	-	-	-
<b>Waste Water Collection</b>									
	Basin S1,S2,S3 / Walnut Creek Improvements	250,000	-	250,000	-	-	-	-	-
	Crabtree Interceptor Parallel	27,975,000	75,000	-	-	-	-	-	27,900,000
	Force Main - Condition Assessment & Maintenance	10,500,000	-	500,000	500,000	500,000	500,000	500,000	8,000,000
	Old Apex Road Sewer Improvements	350,000	-	-	-	350,000	-	-	-
	Sanitary Sewer Oversizings and Related Infrastructure Acceptance Requirements	5,773,000	415,000	210,000	215,000	220,000	225,000	230,000	4,258,000
	South Cary Water Reclamation Facility - UV System Replacement / Rehabilitation	4,750,000	-	-	-	-	-	-	4,750,000
	Upper Swift Creek Parallel Interceptor	780,000	-	-	-	780,000	-	-	-

## CARY CAPITAL IMPROVEMENTS BUDGET AND TWENTY-YEAR PLAN

Project Category and Type	Project Title	Project Total	Appropriated							FY 2026 to FY 2041
			Through FY2020	FY 2021 Adopted	FY 2022	FY 2023	FY 2024	FY 2025		
	Wastewater System - DOT Relocates	15,500,000	-	500,000	500,000	500,000	500,000	500,000	500,000	13,000,000
	<b>Waste Water Collection Total</b>		490,000	1,460,000	1,215,000	2,350,000	1,225,000	1,230,000		57,908,000
<b>Waste Water System Management</b>										
	Aviation Pump Station - Bar Screen Improvements	500,000	-	-	-	-	-	-	-	500,000
	Beaver Creek Pump Station - Bar Screen Improvements	1,325,000	825,000	-	-	-	-	-	-	500,000
	Cleaning & Video Survey Sewer Interceptors	18,984,500	3,984,500	600,000	600,000	600,000	600,000	600,000	600,000	12,000,000
	Force Main - Easement Survey and Clear	1,400,000	300,000	100,000	-	-	-	-	-	1,000,000
	North Cary Water Reclamation Facility - Actuator Replacement	200,000	-	-	-	-	-	-	-	200,000
	North Cary Water Reclamation Facility - Arched Culvert Installation	500,000	-	-	-	-	-	-	-	500,000
	North Cary Water Reclamation Facility - HVAC Replacements	200,000	-	-	-	-	-	-	-	200,000
	North Cary Water Reclamation Facility - Instrumentation and Controls Replacement and Upgrade	350,000	-	-	-	-	-	-	-	350,000
	North Cary Water Reclamation Facility - Large Generator Replacements	4,000,000	-	-	-	-	-	-	-	4,000,000
	Pump Station Grinder Exchange Rebuild / Replace	2,640,000	240,000	200,000	-	-	200,000	-	-	2,000,000
	Pump Station Variable Frequency Drive Replacements	2,150,000	500,000	250,000	-	-	-	200,000	-	1,200,000
	South Cary Water Reclamation Facility - Pave Resurface & Repair	400,000	-	-	-	-	-	-	-	400,000
	Supervisory and Data Acquisition (SCADA) at Tier III Pump Stations	750,000	-	-	-	-	-	-	-	750,000
	Swift Creek Pump Station - Bar Screen 1 Improvements	750,000	-	-	-	-	750,000	-	-	-
	Swift Creek Pump Station - Bar Screen 2 Improvements	500,000	-	-	-	-	-	-	-	500,000
	Swift Creek Pump Station - Breaker Replacement, 575 Volt	250,000	-	-	-	250,000	-	-	-	-
	Walnut Creek Pump Station - Pump Replacement	200,000	-	-	-	-	-	-	-	200,000
	Wastewater Collection System Master Plan Update	750,000	250,000	-	-	-	-	-	-	500,000
	Wastewater Pump Station Generator Replacement	1,780,125	-	-	-	-	-	-	-	1,780,125
	Wastewater Solids and Grit Disposal	1,700,000	-	-	-	-	-	-	-	1,700,000
	Wastewater System Flow Monitoring - Replace Flow Meters	700,000	-	-	200,000	-	-	-	-	500,000
	West Cary Pump Station - Bar Screen Improvements	500,000	-	-	-	-	-	-	-	500,000
	Western Cary Odor Control Media Replacement	400,000	-	-	-	-	-	-	-	400,000
	Western Wake Regional Water Reclamation Facility - HVAC Replacements	150,000	-	-	-	-	-	-	-	150,000
	<b>Waste Water System Management Total</b>		6,099,500	1,150,000	800,000	850,000	1,550,000	800,000		29,830,125
<b>Waste Water Treatment</b>										
	North Cary Water Reclamation Facility - Aerobic Holding Tank Diffuser Replacements	250,000	-	-	-	-	-	-	-	250,000
	North Cary Water Reclamation Facility - Aerobic Holding Tanks - Additional Panel	750,000	-	-	-	-	-	-	-	750,000
	North Cary Water Reclamation Facility - Alternate Treated Water Discharge	500,000	-	-	-	-	-	150,000	-	350,000
	North Cary Water Reclamation Facility - Band Screen Repair and Replacement	1,000,000	150,000	-	850,000	-	-	-	-	-
	North Cary Water Reclamation Facility - Clarifier Addition	2,600,000	-	-	-	-	-	-	-	2,600,000
	North Cary Water Reclamation Facility - Clarifier Equipment Repair and Replacement	2,500,000	550,000	-	-	-	-	-	-	1,950,000
	North Cary Water Reclamation Facility - Deep Valve Replacement	250,000	-	-	-	-	-	-	-	250,000
	North Cary Water Reclamation Facility - Digester Blower Building Automatic Transfer Switch Replacement	225,000	-	-	-	-	-	-	-	225,000
	North Cary Water Reclamation Facility - Ferric Tank Replacement and Improvements	100,000	-	-	-	100,000	-	-	-	-
	North Cary Water Reclamation Facility - Generator Replacements	2,500,000	-	-	-	-	500,000	2,000,000	-	-
	North Cary Water Reclamation Facility - Gravity Belt Thickener Pump and Grinder Replace / Rebuild	150,000	-	-	-	-	-	-	-	150,000
	North Cary Water Reclamation Facility - Grit Removal and Headworks Improvements	3,000,000	-	-	-	-	-	-	-	3,000,000

## CARY CAPITAL IMPROVEMENTS BUDGET AND TWENTY-YEAR PLAN

Project Category and Type	Project Title	Project Total	Appropriated Through FY2020	FY 2021 Adopted	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026 to FY 2041
	North Cary Water Reclamation Facility - Inductively Coupled Plasma Mass Spectrometer Replacement	425,000	-	175,000	-	-	-	-	250,000
	North Cary Water Reclamation Facility - Influent Pump Station Compactor Replacement	250,000	-	-	-	-	-	-	250,000
	North Cary Water Reclamation Facility - Influent Pump Station Mechanical Equipment Replacement	500,000	-	-	-	-	-	-	500,000
	North Cary Water Reclamation Facility - Influent Pump Station Screen Replacements	800,000	-	-	-	-	-	-	800,000
	North Cary Water Reclamation Facility - Mixer Replacements	1,750,000	700,000	-	-	-	-	-	1,050,000
	North Cary Water Reclamation Facility - Programmable Logic Controllers (PLC) Replacements	500,000	-	-	-	-	-	-	500,000
	North Cary Water Reclamation Facility - Return Activated Sludge (RAS) & Waste Activated Sludge (WAS) Pump Replacements	250,000	-	-	-	-	250,000	-	-
	North Cary Water Reclamation Facility - Submersible Influent Pump Replacement	1,050,000	-	-	300,000	150,000	-	-	600,000
	North Cary Water Reclamation Facility - Switchgear Replacement	150,000	-	-	-	-	-	-	150,000
	North Cary Water Reclamation Facility - Tertiary Filter Cells Addition	3,100,000	-	-	-	-	-	350,000	2,750,000
	North Cary Water Reclamation Facility - Ultraviolet (UV) System Replacement	3,500,000	-	-	-	-	-	-	3,500,000
	North Cary Water Reclamation Facility - Variable Frequency Drive Replacements	1,071,774	46,774	-	-	-	-	-	1,025,000
	North Cary Water Reclamation Facility- Bio-Filter Media Replacement	300,000	-	-	-	-	150,000	-	150,000
	South Cary Water Reclamation Facility - Aeration Blower Recycle Pump Replacements	480,000	240,000	-	-	-	-	-	240,000
	South Cary Water Reclamation Facility - Aeration Blowers (AB) Replacements	1,175,000	325,000	-	-	-	-	-	850,000
	South Cary Water Reclamation Facility - Bio-Filter Media	620,000	-	-	250,000	-	-	-	370,000
	South Cary Water Reclamation Facility - Centrifuge Replacement	5,000,000	-	-	-	225,000	2,275,000	-	2,500,000
	South Cary Water Reclamation Facility - Clarifier Equipment, Repair and Replace	1,500,000	500,000	-	-	-	250,000	-	750,000
	South Cary Water Reclamation Facility - Coatings Restoration	500,000	-	-	-	-	-	-	500,000
	South Cary Water Reclamation Facility - Dryer Building Fire Protection	1,000,000	-	-	-	-	-	-	1,000,000
	South Cary Water Reclamation Facility - Dryer Centrifuge Rebuild	1,575,000	175,000	-	200,000	-	-	-	1,200,000
	South Cary Water Reclamation Facility - Dryer Dewater Cake Mixer	400,000	100,000	-	-	-	-	150,000	150,000
	South Cary Water Reclamation Facility - Dryer Dewater Cake Pump	585,000	225,000	-	-	-	-	-	360,000
	South Cary Water Reclamation Facility - Dryer Induction Fan Replacement	275,000	100,000	-	-	-	-	-	175,000
	South Cary Water Reclamation Facility - Dryer Outlet Duct and Preseparator Replacement	200,000	-	-	-	-	-	-	200,000
	South Cary Water Reclamation Facility - Dryer Rotary Drum Replacement	2,950,000	1,200,000	-	-	-	-	-	1,750,000
	South Cary Water Reclamation Facility - Generator Replacements, 1100/1200	2,500,000	-	-	-	-	-	-	2,500,000
	South Cary Water Reclamation Facility - Generator Replacements, 500	1,250,000	-	-	-	250,000	1,000,000	-	-
	South Cary Water Reclamation Facility - Gravity Belt Thickeners Rebuild	300,000	150,000	-	-	-	-	-	150,000
	South Cary Water Reclamation Facility - Grit Removal System Replacement	2,500,000	-	-	-	-	250,000	2,250,000	-
	South Cary Water Reclamation Facility - Headworks Equipment Improvements	350,000	-	-	350,000	-	-	-	-
	South Cary Water Reclamation Facility - Inductively Coupled Plasma Mass Spectrometer Replacement	425,000	-	-	-	-	175,000	-	250,000
	South Cary Water Reclamation Facility - Instrumentation & Controls Repair & Upgrades	350,000	-	-	-	-	-	-	350,000

## CARY CAPITAL IMPROVEMENTS BUDGET AND TWENTY-YEAR PLAN

Project Category and Type	Project Title	Project Total	Appropriated					FY 2026 to FY 2041	
			Through FY2020	FY 2021 Adopted	FY 2022	FY 2023	FY 2024		FY 2025
	South Cary Water Reclamation Facility - Programmable Logic Controller Replacements	1,000,000	-	250,000	250,000	-	-	-	500,000
	South Cary Water Reclamation Facility - Reclaimed Water Pump Station Rebuild & Replacement	225,000	-	-	-	-	-	-	225,000
	South Cary Water Reclamation Facility - Return Activated Sludge / Waste Activated Sludge Pump Station Improvements	250,000	-	250,000	-	-	-	-	-
	South Cary Water Reclamation Facility - Screen Replacement	500,000	-	-	-	-	500,000	-	-
	South Cary Water Reclamation Facility - Tertiary Sand Filter Media	900,000	-	-	-	200,000	200,000	-	500,000
	South Cary Water Reclamation Facility - Variable Frequency Drive Replacements	1,000,000	400,000	-	200,000	-	-	-	400,000
	Western Wake Regional Water Reclamation Facility - Biofilter Media Replacement for Odor Control	700,000	-	-	-	-	300,000	-	400,000
	Western Wake Regional Water Reclamation Facility - Carbon Replacement for Odor Control, North Odor Control, and Solid Handling Facility	520,000	70,000	-	-	-	-	175,000	275,000
	Western Wake Regional Water Reclamation Facility - Clarifier Restoration	600,000	-	-	-	-	-	-	600,000
	Western Wake Regional Water Reclamation Facility - Drag Conveyor Replacement	800,000	-	-	-	-	-	-	800,000
	Western Wake Regional Water Reclamation Facility - Dryer Equipment Replacement	500,000	-	-	-	-	-	-	500,000
	Western Wake Regional Water Reclamation Facility - Effluent / Reclaimed Pump Rebuild / Replace	1,050,000	-	-	-	-	-	-	1,050,000
	Western Wake Regional Water Reclamation Facility - Inductively Coupled Plasma Mass Spectrometer Replacement	175,000	-	-	-	-	-	-	175,000
	Western Wake Regional Water Reclamation Facility - Jet & Post Aeration Pumps Rebuild / Replace	1,541,000	-	83,000	83,000	100,000	100,000	-	1,175,000
	Western Wake Regional Water Reclamation Facility - Jet Air Header Replacement	1,000,000	-	-	-	-	-	-	1,000,000
	Western Wake Regional Water Reclamation Facility - Mechanical Screen and Grinder Rebuild	325,000	-	-	-	-	-	-	325,000
	Western Wake Regional Water Reclamation Facility - Mixers Rebuild / Replace	1,362,000	-	61,000	61,000	100,000	100,000	-	1,040,000
	Western Wake Regional Water Reclamation Facility - NRCY and ARCY Pump Rebuild/Replace	1,200,000	-	-	-	75,000	75,000	75,000	975,000
	Western Wake Regional Water Reclamation Facility - Pelletizer Rebuild	525,000	-	-	-	-	-	-	525,000
	Western Wake Regional Water Reclamation Facility - Phase II Expansion Study	750,000	-	-	-	-	-	-	750,000
	Western Wake Regional Water Reclamation Facility - PLC Replacements	500,000	-	-	-	-	-	-	500,000
	<b>Waste Water Treatment Total</b>		4,931,774	819,000	2,544,000	1,200,000	6,125,000	5,150,000	46,060,000
<b>Water System Management</b>									
	North Cary Water Reclamation Facility - Pavement Resurfacing and Repairs	250,000	-	-	-	-	-	-	250,000
	South Cary Water Reclamation Facility - Ultraviolet (UV) Redundancy Engineering Study	150,000	-	150,000	-	-	-	-	-
	<b>Water System Management Total</b>		-	150,000	-	-	-	-	250,000
	<b>SEWER Total</b>		30,432,812	12,155,763	15,640,033	14,285,588	18,500,747	15,971,540	321,020,915

## TRANSPORTATION

### Alternate Modes

Cary Parkway Sidewalk at Black Creek	4,800,000	-	-	-	-	-	1,000,000	3,800,000
GoCary Bus Stop Improvements	7,080,642	2,725,185	415,075	430,000	448,945	466,903	485,579	2,108,955

# CARY CAPITAL IMPROVEMENTS BUDGET AND TWENTY-YEAR PLAN

Project Category and Type	Project Title	Project Total	Appropriated						FY 2026 to
			Through FY2020	FY 2021 Adopted	FY 2022	FY 2023	FY 2024	FY 2025	FY 2041
	GoCary Capital Amenities	975,000	300,000	75,000	75,000	75,000	75,000	75,000	300,000
	GoCary Downtown Multimodal Center	25,000,000	4,000,000	-	21,000,000	-	-	-	-
	GoCary New Customer Information Technology	1,500,000	-	-	1,000,000	500,000	-	-	-
	GoCary Regional Operations & Maintenance Facility	38,400,000	20,800,000	17,600,000	-	-	-	-	-
	GoCary Transfer Center Improvements	1,039,152	55,000	-	-	651,055	333,097	-	-
	Louis Stephens Drive / Carpenter Upchurch Road Sidewalk	3,200,000	-	3,200,000	-	-	-	-	-
	NC55 Pedestrian Grade Separation	1,000,000	-	-	-	-	-	-	1,000,000
	Sidewalk and Pedestrian Improvements	63,450,000	3,500,000	1,750,000	1,750,000	1,750,000	1,750,000	1,750,000	51,200,000
	<b>Alternate Modes Total</b>		<b>31,380,185</b>	<b>23,040,075</b>	<b>24,255,000</b>	<b>3,425,000</b>	<b>2,625,000</b>	<b>3,310,579</b>	<b>58,408,955</b>
<b>Control Systems</b>									
	Advanced Transportation Management System (ATMS) Signal System Upgrade	10,000,000	-	-	-	-	-	-	10,000,000
	Intelligent Transportation System (ITS) Expansion for Cary ATMS	500,000	-	100,000	100,000	100,000	100,000	100,000	-
	Mast Arm Conversion - Harrison Ave at W Chatham St	400,000	-	-	-	-	-	-	400,000
	Pedestrian Hybrid Beacon Installation	1,537,000	-	-	125,000	-	125,000	-	1,287,000
	Signal System - Camera Coverage Expansion	1,030,000	140,000	-	-	-	140,000	-	750,000
	Signal System - Fiber Extension to Northwest Cary	675,000	-	-	-	-	-	-	675,000
	Signal System - Fiber Extension to Southern Cary	675,000	-	-	-	-	-	175,000	500,000
	Thoroughfare Street Lights	1,000,000	-	-	-	100,000	-	-	900,000
	Traffic Calming	1,715,835	760,835	140,000	25,000	25,000	30,000	30,000	705,000
	Traffic Signal Metal Mast Arm Conversion - Cary Glen Blvd and Green Level Church Road	300,000	-	-	-	-	-	-	300,000
	Traffic Signalization Projects	18,110,000	900,000	900,000	500,000	550,000	600,000	650,000	14,010,000
	<b>Control Systems Total</b>		<b>1,800,835</b>	<b>1,140,000</b>	<b>750,000</b>	<b>775,000</b>	<b>995,000</b>	<b>955,000</b>	<b>29,527,000</b>
<b>Major Maintenance</b>									
	Bridge Replacements	12,500,000	-	-	-	-	-	-	12,500,000
	Bridge/Culvert Repairs	3,850,000	-	100,000	-	150,000	-	200,000	3,400,000
	Private Streets Legacy Study	150,000	-	150,000	-	-	-	-	-
	Railroad Grade Crossing Repairs	2,900,000	-	-	-	-	-	-	2,900,000
	Street Improvement Project	218,890,000	7,100,000	7,100,000	7,200,000	7,300,000	7,400,000	7,500,000	175,290,000
	<b>Major Maintenance Total</b>		<b>7,100,000</b>	<b>7,350,000</b>	<b>7,200,000</b>	<b>7,450,000</b>	<b>7,400,000</b>	<b>7,700,000</b>	<b>194,090,000</b>
<b>Road Capacity</b>									
	Carpenter Fire Station Road Widening - NC55 to East of Cameron Pond	18,983,500	12,883,500	6,100,000	-	-	-	-	-
	Chapel Hill Road - N. Academy to Reedy Creek	13,250,000	-	-	-	-	-	-	13,250,000
	Chapel Hill Road Widening - (N. Academy to NW Maynard Road)	15,700,000	-	-	-	-	-	-	15,700,000
	Chapel Hill Road Widening - (NW Maynard Road to Morrisville ETJ)	18,000,000	-	-	-	-	-	-	18,000,000
	Green Level Church Road - McCrimmon Pkwy to Kitt Creek Road	15,500,000	-	-	-	-	-	2,500,000	13,000,000
	Holly Springs Road Widening - Cary Parkway to Tryon Road	3,000,000	-	-	-	-	-	-	3,000,000
	Intersection Improvements	44,150,000	1,550,000	1,000,000	4,000,000	-	-	700,000	36,900,000
	O'Kelly Chapel Road Widening - Stonecroft Lane to NC 55	9,200,000	-	-	-	-	-	1,600,000	7,600,000
	<b>Road Capacity Total</b>		<b>14,433,500</b>	<b>7,100,000</b>	<b>4,000,000</b>	<b>-</b>	<b>-</b>	<b>4,800,000</b>	<b>107,450,000</b>
<b>Special Projects</b>									
	Airport Blvd Interchange Enhancements (NCDOT Project I-5700) - NCDOT Reimbursement for Sidewalk	175,000	-	-	175,000	-	-	-	-
	Aviation Parkway Widening Enhancements (NCDOT Project U-5811, west of interchange) - NCDOT Reimbursement - NCDOT Reimbursement	356,000	56,000	-	-	-	-	-	300,000
	Complete 540 Enhancements (NCDOT Project R-2828) - NCDOT Reimbursement for sidewalks/greenways	13,000,000	7,000,000	6,000,000	-	-	-	-	-

## CARY CAPITAL IMPROVEMENTS BUDGET AND TWENTY-YEAR PLAN

Project Category and Type	Project Title	Project Total	Appropriated						FY 2026 to FY 2041
			Through FY2020	FY 2021 Adopted	FY 2022	FY 2023	FY 2024	FY 2025	
	Crossroads Junction Enhancements (NCDOT Project I-5703) - NCDOT Reimbursement	267,000	-	-	-	-	-	-	267,000
	Downtown Parking Development	15,000,000	-	15,000,000	-	-	-	-	-
	Fenton - Street Improvements Reimbursements	22,300,000	1,300,000	-	2,880,063	6,540,000	5,630,000	5,630,000	319,937
	Green Level Church Rd Bridge Replacement and Widening at Kit Creek (NCDOT Project B-5673) - NCDOT Reimbursement	700,000	-	700,000	-	-	-	-	-
	Maynard Rd Grade Separation (NCDOT Project P-5718) - NCDOT Reimbursement	1,500,000	-	-	-	-	-	-	1,500,000
	Schools - Street Improvement Reimbursements	6,500,000	3,750,000	2,750,000	-	-	-	-	-
	Spot Improvements	8,300,000	250,000	250,000	250,000	250,000	250,000	250,000	6,800,000
	Ten-Ten Road Enhancements (NCDOT Project U-5825) - NCDOT Reimbursement	2,000,000	-	-	-	-	-	-	2,000,000
	Trinity Rd Grade Separation Enhancements (NCDOT Project P-5734) - NCDOT Reimbursement	1,000,000	-	-	-	-	-	-	1,000,000
	US 64 Enhancements(NCDOT Project U-5301) - NCDOT Reimbursement	6,700,000	-	-	-	-	-	-	6,700,000
	<b>Special Projects Total</b>		12,356,000	24,700,000	3,305,063	6,790,000	5,880,000	5,880,000	18,886,937
<b>Storm Drainage</b>									
	Street Storm Drainage System Rehabilitation	9,196,835	636,835	300,000	300,000	300,000	300,000	300,000	7,060,000
	<b>Storm Drainage Total</b>		636,835	300,000	300,000	300,000	300,000	300,000	7,060,000
	<b>TRANSPORTATION Total</b>		67,707,355	63,630,075	39,810,063	18,740,000	17,200,000	22,945,579	415,422,892

## WATER

<b>Equipment</b>									
	Heavy Duty Equipment Replacement - Water	7,010,000	580,000	80,000	200,000	200,000	200,000	250,000	5,500,000
	<b>Equipment Total</b>		580,000	80,000	200,000	200,000	200,000	250,000	5,500,000
<b>Major Maintenance</b>									
	Cary / Apex Water Treatment Facility - Americans with Disabilities Act (ADA) Improvements	640,000	-	-	-	-	-	-	640,000
	Roof Assessments and Rehabilitation - Water	2,469,000	70,000	-	25,000	251,000	-	53,000	2,070,000
	<b>Major Maintenance Total</b>		70,000	-	25,000	251,000	-	53,000	2,710,000
<b>Other Water Projects</b>									
	AquaStar - Additional Infrastructure	905,000	125,000	-	-	-	-	-	780,000
	Watershed Protection	15,300,000	-	765,000	765,000	765,000	765,000	765,000	11,475,000
	<b>Other Water Projects Total</b>		125,000	765,000	765,000	765,000	765,000	765,000	12,255,000
<b>Special Projects</b>									
	Enterprise Resource Platform (ERP) Replacement - Water	750,000	-	750,000	-	-	-	-	-
	Fenton - Waterline Improvements Reimbursement	505,006	-	-	505,006	-	-	-	-
	<b>Special Projects Total</b>		-	750,000	505,006	-	-	-	-
<b>Water Lines</b>									
	Extend and Relocate Water Mains and Install Valves	18,400,000	1,600,000	800,000	800,000	800,000	800,000	800,000	12,800,000
	Green Level Church Rd Waterline - Mills Rd to Green Hope School Rd	2,000,000	-	-	-	-	-	-	2,000,000
	Horton's Creek Road Parallel Waterline	1,000,000	-	-	-	1,000,000	-	-	-
	Jenks Rd 30" and 42" CPZ Interconnection	650,000	-	-	-	650,000	-	-	-
	Kildaire Farm Rd / Holly Springs Rd Loop Water Line	3,000,000	-	-	-	-	-	-	3,000,000
	Kildaire Farm Road Water Line Reinforcement - Central	14,500,000	10,700,000	3,800,000	-	-	-	-	-
	Maynard Road Water Line Reinforcement - Southwest Phase I	5,900,000	-	-	-	1,200,000	300,000	4,400,000	-
	McCrimmon Parkway Water Line Connector	1,500,000	-	-	-	-	-	-	1,500,000
	Pierce Olive Road Water Line	2,400,000	-	-	-	-	-	-	2,400,000
	Pleasant Grove Church Road Water Line Reinforcement	1,635,000	-	-	-	-	-	-	1,635,000

## CARY CAPITAL IMPROVEMENTS BUDGET AND TWENTY-YEAR PLAN

Project Category and Type	Project Title	Project Total	Appropriated						FY 2026 to
			Through FY2020	FY 2021 Adopted	FY 2022	FY 2023	FY 2024	FY 2025	FY 2041
	Ten-Ten / Bells Lake Road Water Line Connector	2,180,000	-	-	-	-	-	-	2,180,000
	Trenton Road Water Line	1,000,000	-	-	-	-	-	-	1,000,000
	Upgrade Water Lines	143,616,077	5,616,077	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	113,000,000
	Wake Road Water Line	500,000	-	-	-	-	-	-	500,000
	Water Line Oversizings and Related Infrastructure Acceptance Requirements	4,816,000	361,000	185,000	195,000	200,000	200,000	200,000	3,475,000
	Water System - Air Release Valve Replacements	1,500,000	400,000	100,000	-	100,000	-	100,000	800,000
	Water System - Critical Water Line Locating and Testing	4,300,000	625,000	175,000	175,000	175,000	175,000	175,000	2,800,000
	Water System - DOT Relocates	16,000,000	-	500,000	500,000	500,000	500,000	500,000	13,500,000
	Water System - Valve Replacements	2,750,000	250,000	125,000	125,000	125,000	125,000	125,000	1,875,000
	White Oak Church Road Water Line	2,362,500	950,000	-	-	-	-	-	1,412,500
			20,502,077	10,685,000	6,795,000	9,750,000	7,100,000	11,300,000	163,877,500
<b>Water Storage Tanks</b>									
	Carpenter Tank - Recoating	1,900,000	900,000	-	-	-	-	-	1,000,000
	Cary / Apex Water Treatment Facility - Clearwells #4 & #5	12,500,000	-	-	-	-	-	-	12,500,000
	Field Street Tank - Recoating	1,650,000	-	-	-	-	-	700,000	950,000
	Good Hope Tank - Recoating	750,000	-	-	-	-	-	-	750,000
	Harrison Tank - Renovation	1,550,000	-	-	700,000	-	-	-	850,000
	Kilmayne Tank - Recoating	750,000	-	-	-	-	-	-	750,000
	Old Apex Tank - Generator Replacement	750,000	-	-	-	-	-	-	750,000
	Old Apex Tank - Recoating	1,775,000	150,000	-	-	-	-	-	1,625,000
	Plumtree Tank Modifications & Tank Repainting	3,175,000	2,275,000	-	-	-	-	-	900,000
	Ridgeview Tank - Recoating	1,800,000	-	-	-	-	-	-	1,800,000
	<b>Water Storage Tanks Total</b>		3,325,000	-	700,000	-	-	700,000	21,875,000
<b>Water System Management</b>									
	Aquastar - Water Meter & Radio Replacements	26,800,000	-	2,000,000	2,000,000	1,500,000	1,500,000	1,500,000	18,300,000
	Cary / Apex Water Treatment Facility - Fiber Optic Line to Facility	300,000	-	300,000	-	-	-	-	-
	Secondary and Cumulative Impacts Master Mitigation Plan	300,000	-	-	-	-	150,000	-	150,000
	Water Main Condition Assessment Program	1,275,000	425,000	-	-	50,000	50,000	-	750,000
	Water Resources Master Plan	1,000,000	500,000	-	-	-	-	-	500,000
	Water System - Master Plan	1,100,000	350,000	-	-	-	-	-	750,000
	Water System - Protection Study	200,000	-	-	-	200,000	-	-	-
	<b>Water System Management Total</b>		1,275,000	2,300,000	2,000,000	1,750,000	1,700,000	1,500,000	20,450,000
<b>Water Treatment</b>									
	Cary / Apex Water Treatment Facility - Basin Rehabilitation	12,000,000	-	3,000,000	-	-	-	-	9,000,000
	Cary / Apex Water Treatment Facility - Caustic Tank Replacements	1,200,000	600,000	-	-	-	-	-	600,000
	Cary / Apex Water Treatment Facility - Centrifuge Rebuild and Repair	600,000	-	-	-	-	300,000	-	300,000
	Cary / Apex Water Treatment Facility - Chemical Feed and Biofiltration	4,250,000	1,000,000	-	2,000,000	1,250,000	-	-	-
	Cary / Apex Water Treatment Facility - Clearwell Baffle Replacements	750,000	-	-	-	-	-	-	750,000
	Cary / Apex Water Treatment Facility - Emergency Power Generator Replacements	6,000,000	-	-	-	-	-	2,000,000	4,000,000
	Cary / Apex Water Treatment Facility - Finished Water and Backwash Pump Replacements	3,200,000	-	-	-	-	250,000	250,000	2,700,000
	Cary / Apex Water Treatment Facility - Laboratory Equipment - Atomic Adsorption Unit Replacement	525,000	-	-	175,000	-	-	-	350,000
	Cary / Apex Water Treatment Facility - Laboratory Equipment - Total Organic Analyzer Replacement	155,000	-	-	-	77,500	-	-	77,500
	Cary / Apex Water Treatment Facility - Ozone Generator Replacements	7,500,000	4,000,000	2,000,000	1,500,000	-	-	-	-
	Cary / Apex Water Treatment Facility - Phase IV Expansion and Improvements From 56 to 64 MGD	92,000,000	-	-	-	-	-	-	92,000,000

## CARY CAPITAL IMPROVEMENTS BUDGET AND TWENTY-YEAR PLAN

Project Category and Type	Project Title	Project Total	Appropriated						FY 2026 to FY 2041
			Through FY2020	FY 2021 Adopted	FY 2022	FY 2023	FY 2024	FY 2025	
Cary / Apex Water Treatment Facility - Raw Water Pump Replacements		3,500,000	-	-	-	-	-	-	3,500,000
Cary / Apex Water Treatment Facility - Residuals Facility Pump Replacements		500,000	-	-	-	-	-	-	500,000
Cary / Apex Water Treatment Facility - Residuals System Improvements		5,000,000	-	-	-	-	-	-	5,000,000
Cary / Apex Water Treatment Facility - Reverse Osmosis Sidestream Treatment		5,000,000	-	-	-	-	-	-	5,000,000
Cary / Apex Water Treatment Facility - Sodium Hypochlorite Tank Replacement		2,350,000	-	-	-	175,000	1,000,000	-	1,175,000
Cary / Apex Water Treatment Facility - Surge Tanks, Finished Water		2,420,000	920,000	-	-	-	-	-	1,500,000
Cary / Apex Water Treatment Facility - Surge Tanks, Raw Water		1,800,000	-	-	-	300,000	1,200,000	-	300,000
Cary / Apex Water Treatment Facility - Tertiary Granulated Activated Carbon System		52,000,000	-	-	-	-	-	-	52,000,000
Cary / Apex Water Treatment Facility - Water System Radio Software and Antennas		1,750,000	400,000	-	-	-	-	750,000	600,000
Cary / Apex Water Treatment Facility- Residuals Facility Polymer System		800,000	-	300,000	-	-	-	-	500,000
<b>Water Treatment Total</b>			6,920,000	5,300,000	3,675,000	1,802,500	2,750,000	3,000,000	179,852,500
<b>WATER Total</b>			32,797,077	19,880,000	14,665,006	14,518,500	12,515,000	17,568,000	406,520,000
<b>Grand Total</b>			218,414,973	143,713,838	108,407,202	236,709,988	84,058,247	76,630,619	1,575,837,690

## STATE TRANSPORTATION IMPROVEMENT PROGRAM (STIP) BUDGET AND TEN YEAR PLAN BENEFITTING CARY

The North Carolina State Transportation Improvement Program (STIP) is a 10-year State and Federal-mandated program that identifies the construction funding for and scheduling of North Carolina transportation projects. The following chart highlights projects that involves Cary in some capacity. The project total indicates the estimated total cost of projects that are designated as 'funded', and may not necessarily reflect the full amount that will involve Cary specifically.

As of August 2020, STIP was still operating off their FY 2020 fiscal year. However, the program is reviewed and may be amended on a monthly basis. The table below represents FYs 2020-2029 planned funds that are subject to change when the FY 2021 STIP is adopted.

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Project Name	Project Total	Prior Years Cost Through FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026 to FY 2029
<i>Road Capacity</i>								
I-40 at Airport Boulevard Interchange Improvements (I-5700)	51,417,000	26,914,000	15,923,000	858,000	858,000	858,000	858,000	5,148,000
I-40 at Aviation Parkway Interchange Improvements (I-5506)	25,333,000	25,333,000	-	-	-	-	-	-
Aviation Parkway between I-40 and NC 54 (U-5811)	23,084,000	2,000,000	-	-	-	12,230,000	-	8,854,000
Black Creek Greenway Phases I, II, and V (EB-5894)	6,241,000	10,000	6,231,000	-	-	-	-	-
Complete 540 - Triangle Expressway SE Extension (R-2721, R-2828, R-2829)	1,428,798,000	885,830,000	61,349,000	61,349,000	20,850,000	20,850,000	20,850,000	357,720,000
Crossroads Junction, the I-440/US 1/ US 64 Interchange Project (I-5703)	5,111,000	3,961,000	500,000	650,000	-	-	-	-
Harrison Avenue Grade Separation (P-5708)	22,600,000	-	-	-	-	-	-	22,600,000
Louis Stephens Drive (U-5827)	6,050,000	2,267,000	2,467,000	167,000	167,000	167,000	167,000	648,000
NE Maynard Road Grade Separation (P-5718)	60,171,000	3,681,000	-	16,346,000	16,344,000	12,495,000	11,305,000	-
Carpenter Fire Station Road from NC 55 to Cameron Pond Drive (U-6227)	5,629,000	-	5,629,000	-	-	-	-	-
Green Level Church Road - Replace Bridge over Kit Creek (B-5673)	4,874,000	194,000	130,000	4,550,000	-	-	-	-
Ten Ten Road Improvements from Apex Peakway to Kildaire Farm Road (U-5825)	38,004,000	3,000,000	-	-	-	-	6,442,000	28,562,000
Trinity Road Construct Grade Separation (P-5734)	40,700,000	3,000,000	-	10,500,000	10,500,000	6,124,000	5,288,000	5,288,000
US 64 Improvements from US 1 to West of Laura Duncan Road (U-5301)	177,416,000	1,000,000	6,849,000	27,271,000	26,896,000	-	28,850,000	86,550,000
West Maynard Road Construct Grade Separation (P-5739)	8,920,000	1,440,000	-	-	-	-	-	7,480,000
<b>GRAND TOTAL ALL STIP PROJECT CATEGORIES</b>	<b>1,904,348,000</b>	<b>958,630,000</b>	<b>99,078,000</b>	<b>121,691,000</b>	<b>75,615,000</b>	<b>52,724,000</b>	<b>73,760,000</b>	<b>522,850,000</b>

## CAPITAL IMPROVEMENT FEES AND CHARGES

### TRANSPORTATION DEVELOPMENT FEES

The Town of Cary charges transportation development fees for properties developing within the Town or its extraterritorial jurisdiction (ETJ). Transportation development fees are levied at the time of permit issuance. These fees vary based on residential, multi-family and commercial development type and size.

For more details related to the Town's transportation development fees, see section 7.11 of the Town of Cary's Land Development Ordinance at

[http://www.amlegal.com/nxt/gateway.dll/North%20Carolina/cary\\_nc/codeofordinancestownofcarynorthcarolina?f=templates\\$fn=default.htm\\$3.0\\$vid=amlegal:cary\\_nc](http://www.amlegal.com/nxt/gateway.dll/North%20Carolina/cary_nc/codeofordinancestownofcarynorthcarolina?f=templates$fn=default.htm$3.0$vid=amlegal:cary_nc)

Land Use Type	Unit	Central Zone	Base Zone
Single-Family Detached	Dwelling	\$1,103	\$1,573
Single-Family Attached (Town Homes)	Dwelling	\$574	\$818
Multi-Family (Apartments & Condos)	Dwelling	\$684	\$975
Residential Care Facility	Bed	\$180	\$256
Hotel/Motel	Room	\$400	\$569
<b>Retail/Commercial</b>			
General Retail/Shopping Center	1,000 sq. ft.	\$1,148	\$1,637
ATM (Stand-Alone)	Each	\$1,343	\$1,914
Bank	1,000 sq. ft.	\$1,178	\$1,679
Restaurant, Fast Food	1,000 sq. ft.	\$3,520	\$5,017
Restaurant, Sit-Down	1,000 sq. ft.	\$1,313	\$1,871
<b>Office/Institutional</b>			
Office	1,000 sq. ft.	\$1,483	\$2,113
Hospital	1,000 sq. ft.	\$759	\$1,082
Library	1,000 sq. ft.	\$674	\$961
Church or Place of Worship	1,000 sq. ft.	\$344	\$491
Day Care Center	1,000 sq. ft.	\$1,148	\$1,637
<b>Industrial</b>			
Industrial Park	1,000 sq. ft.	\$869	\$1,238
Warehouse	1,000 sq. ft.	\$325	\$463
Mini-Storage	1,000 sq. ft.	\$190	\$271
<b>Recreational</b>			
Golf Course	Hole	\$2,156	\$3,074
Park/General Recreation	Acre	\$60	\$85
Recreational/Swim Center	1,000 sq. ft.	\$2,027	\$2,889
Tennis Court	Court	\$2,866	\$4,085

## VEHICLE LICENSE FEES

The fee for registration of motor vehicles, as required in Town Code Chapter 12, Article II, Section 12-27, shall be thirty dollars (\$30.00) per motor vehicle registered in the Town of Cary.

## PAYMENT-IN-LIEU FEES

### **Payment-In-Lieu of Recreation Area Dedication Fees**

In residential subdivisions, a portion of the land being subdivided will be required for dedication as a recreation area, or a payment-in-lieu of dedication is required.

The payment-in-lieu is equivalent to the value of 1 acre for every 35 units (1/35th of an acre per unit) or any portion thereof ( $\# \text{ units} / 35 = \text{acreage owed}$ ).

Number of units/35 = acreage to be dedicated

Acreage to be dedicated \* the appraised per acre value of the entire parcel = Recreation Fund Payment amount

Once the site plan is approved and the plat is submitted for review, the Town will have the parcel appraised to determine the value of the development or subdivision for property tax purposes, and that is how the per acre value is determined.

Payment is due prior to approval of a plat or recording any lots to subdivide out your lots.

For multi-family development, a recreation fund payment is required. The payment is a flat fee per unit and is subject to change on July 1 of each year.

The applicant will pay the rate in effect at the time the plan is approved.

The anticipated rate as of July 1, 2020 is \$3,005/unit. That fee is calculated using 65% of the 5-year rolling average of subdivision recreation fund payment per unit.

Payment must be made prior to building permit issuance.

Public greenway construction and greenway easement dedication shall be credited towards recreation area dedication payment-in-lieu fees in accordance with LDO 8.2.3 (Credits do not include street-side trail construction or easement/dedication)

### **Street and Sidewalk Payments-in-Lieu**

The Town of Cary's Land Development Ordinance requires that developers of subdivisions construct certain street and sidewalk improvements that conform to Town standards. A payment-in-lieu of street or sidewalk construction may be made to the Town if the requirements of LDO 8.1.5 are met. Payments-in-lieu of improvements must be paid prior to issuance of the construction package. For more details related to the Town's street and sidewalk improvement requirements, see section 8.1 of the Town of Cary's Land Development Ordinance at:

[http://www.amlegal.com/nxt/gateway.dll/North%20Carolina/cary\\_nc/codeofordinancetownofcarynorthcarolina?f=templates\\$fn=default.htm\\$3.0\\$vid=amlegal:cary\\_nc](http://www.amlegal.com/nxt/gateway.dll/North%20Carolina/cary_nc/codeofordinancetownofcarynorthcarolina?f=templates$fn=default.htm$3.0$vid=amlegal:cary_nc)

## Street Lighting Payments-in-Lieu

The Town of Cary's Land Development Ordinance requires that a property owner or developer install street lighting along all proposed streets, public or private, and along all existing streets which adjoin the property, in accordance with Town of Cary Policy Statement No. 13. A payment-in-lieu of street light installation may be made to the Town in certain situations. Payments-in-lieu of improvements must be paid prior to issuance of the construction package. For more details related to the Town's street lighting requirements, see section 8.1. of the Town of Cary's Land Development Ordinance at:

[http://www.amlegal.com/nxt/gateway.dll/North%20Carolina/cary\\_nc/codeofordinancetownofcary\\_northcarolina?f=templates\\$fn=default.htm\\$3.0\\$vid=amlegal:cary\\_nc](http://www.amlegal.com/nxt/gateway.dll/North%20Carolina/cary_nc/codeofordinancetownofcary_northcarolina?f=templates$fn=default.htm$3.0$vid=amlegal:cary_nc)

## UTILITY DEVELOPMENT FEES:

The ability to charge utility development fees, also known as system development fees, is granted via [NC Session Law 2017-138/House Bill 436](#). In compliance with this legislation, the Town hired a qualified consultant to conduct a [system development fee analysis](#) which was adopted by Council on June 28, 2018 after a public hearing.

System development fees are collected when new demand is generated through building permits for new development, requests for new meter boxes, requests for meter installation, or requests for new or changed customer accounts and are due at time of building permit issuance. For new development, the fee shall be paid based on proposed use and size of structure. For existing development, the fee shall be paid based on the increased demand only (reviewing prior use(s) vs. proposed use) at the current fee rate. Examples of existing development that increase demand include but are not limited to alterations, additions, added systems like irrigation or manufacturing processes, fit-ups, remodeling, renovations or changes in use.

These charges are in addition to water and sewer tap charges (see table of Utility Connection Fees in the Operating Budget Fee Schedule).

For new residential construction, utility permitting and development fees are based on the total area under roof in square feet for each meter for residential property structures. For residential additions, fees are based on the total area under roof added to the original structure.

For non-residential properties, the fees listed below in Attachment A, Section C are based on commercial development use/type and size of structure (the total area under roof in square feet). For non-residential additions, fees are based on the total area under roof added to the original structure. For non-residential uses not specified in Section C below, the Town will require sealed demand estimates from design professionals indicating peak day water demand (potable and/or reclaimed) and average day sewer demand. The Town of Cary Inspections and Permits Department may be contacted at (919) 469-4043 for questions and/or assistance with development fee calculations.

### A. RESIDENTIAL WATER DEVELOPMENT FEE:

Equivalent residential unit (ERU) rate for potable water using 306 gallons on a peak day is \$1,946 for all areas served by Town of Cary utilities.

RESIDENTIAL WATER DEVELOPMENT FEES	
Square Feet/Meter/Use	Fee (All Areas)
Single Family < 1,700 square feet	\$1,275
Single Family 1,701 - 2,400 square feet	\$1,586
Single Family 2,401 - 3,100 square feet	\$1,946
Single Family 3,101 - 3,800 square feet	\$2,342
Single Family > 3,800 square feet	\$3,000
Apartments, per unit	\$1,255
Irrigation (potable water), per lot	\$1,252

**B. RESIDENTIAL SEWER DEVELOPMENT FEE:**

Equivalent residential unit (ERU) rate is \$2,640 for sewer using 192 gallons on an average day for all areas served by Town of Cary utilities.

RESIDENTIAL SEWER DEVELOPMENT FEES	
Square Feet/Meter/Use	Fee (All Areas)
Single Family < 1,700 square feet	\$1,618
Single Family 1,701 - 2,400 square feet	\$2,266
Single Family 2,401 - 3,100 square feet	\$2,640
Single Family 3,101 - 3,800 square feet	\$2,944
Single Family > 3,800 square feet	\$3,745
Apartments, per unit	\$1,768

**C. NON-RESIDENTIAL WATER AND SEWER DEVELOPMENT FEES:**

Non-residential water and sewer development fees are based upon the rate of \$5.41/peak day gallons for potable water and \$7.74/average day gallons for sewer for all areas served by Town of Cary utilities. Contact the Inspections and Permits Department for uses not specified below.

TYPE OR USE OF ESTABLISHMENT	UNIT	WATER DEVELOPMENT FEE	SEWER DEVELOPMENT FEE
Retail - Large (>80,000 sq. ft.)	1,000 sq. ft.	\$181	\$250
Retail - Medium (20,000-80,000 sq. ft.)	1,000 sq. ft.	\$223	\$308
Retail - Small (<20,000 sq. ft.)	1,000 sq. ft.	\$335	\$462
Laundromat, self service	1,000 sq. ft.	\$7,893	\$10,887
General/Medical office - Large (>20,000 sq. ft.)	1,000 sq. ft.	\$135	\$186
General/Medical office - Medium (5,000-20,000)	1,000 sq. ft.	\$179	\$247
General/Medical office - Small (<5,000 sq. ft.)	1,000 sq. ft.	\$268	\$369
Country club	1,000 sq. ft.	\$514	\$710
Industrial, factory	1,000 sq. ft.	\$220	\$191
Drug store	1,000 sq. ft.	\$82	\$114
Warehouse	1,000 sq. ft.	\$84	\$116
Mini-Warehouse	1,000 sq. ft.	\$8	\$11

<b>TYPE OR USE OF ESTABLISHMENT</b>	<b>UNIT</b>	<b>WATER DEVELOPMENT FEE</b>	<b>SEWER DEVELOPMENT FEE</b>
Church, Worship Center	1,000 sq. ft.	\$135	\$186
Full-service restaurant	1,000 sq. ft.	\$3,031	\$4,180
Single service item restaurant	1,000 sq. ft.	\$790	\$1,089
Carry out restaurant	1,000 sq. ft.	\$135	\$186
Hotel, motel	1,000 sq. ft.	\$796	\$1,098
Brewery / Winery / Cidery / Distillery / Meadery	1,000 sq. ft.	\$1,998	\$2,756
Laundry, not self service	1,000 sq. ft.	\$1,923	\$2,652
Veterinary hospital, boarding, kennel	1,000 sq. ft.	\$430	\$593
Hospital	1,000 sq. ft.	\$1,433	\$1,976
Nursing home	1,000 sq. ft.	\$1,186	\$1,635
Day care or school	1,000 sq. ft.	\$619	\$853
Recreation, with pool	1,000 sq. ft.	\$4,093	\$5,646
Recreation, no pool	1,000 sq. ft.	\$510	\$703
Gas station, no car wash	1,000 sq. ft.	\$328	\$453
Gas station with car wash	1,000 sq. ft.	\$9,265	\$12,779
Full- or self-service car wash	1,000 sq. ft.	\$4,252	\$5,864
Stadia, auditoriums, theatres	1,000 sq. ft.	\$310	\$428
Potable Water Irrigation	1,000 irrigated sq. ft.	\$956	-
Cooling Tower	Per gallon/day*	\$5.41*	\$7.74*

\*Cooling Tower Water and Sewer Development Fees shall be based on calculations of peak water demand and sewer blow-down submitted by the applicant.

**D. SPECIAL UTILITY AREAS:**

In areas designated by the Town Council as a “Special Utility Area,” a combined water and sewer development fee shall be collected. The combined development fee shall be the combined fee for both water and sewer development fees based on the schedule of charges for development fees.

**E. STANDARD UNIT PRICES FOR OVERSIZE REIMBURSEMENT REQUESTS:**

<b>OVERSIZE REIMBURSEMENT CHARTS</b>											
<b>DIP</b>											
LINE SIZE REQUIRED BY THE TOWN OF CARY		Size Required for Project									
	Size (in)	4	6	8	10	12	16	18	20	24	30
	4	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	10	20	15	3	-	-	-	-	-	-	-
	12	22	17	5	2	-	-	-	-	-	-
	16	42	37	25	22	20	-	-	-	-	-
	18	47	42	30	27	25	5	-	-	-	-
	20	52	47	35	32	30	10	5	-	-	-
	24	67	62	50	47	45	25	20	15	-	-
30	87	82	70	67	65	45	40	35	20	-	

<b>C900/905 - applies only to Reclaimed Water</b>											
LINE SIZE REQUIRED BY THE TOWN OF CARY		Size Required for Project									
	Size (in)	4	6	8	10	12	16	18	20	24	30
	4	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	10	20	15	3	-	-	-	-	-	-	-
	12	22	17	5	2	-	-	-	-	-	-
	16	42	37	25	22	20	-	-	-	-	-
	18	47	42	30	27	25	5	-	-	-	-
	20	52	47	35	32	30	10	5	-	-	-
	24	67	62	50	47	45	25	20	15	-	-
30	87	82	70	67	65	45	40	35	20	-	

F. STANDARD UNIT PRICES FOR OVERSIZE REIMBURSEMENT REQUESTS: (Continued)

<b>PVC SDR 35 – Applies only to Sewer</b>									
	Size (in)	Size Required for Project							
		8	10	12	15	18	21	24	
LINE SIZE REQUIRED BY THE TOWN OF CARY	8	-	-	-	-	-	-	-	-
	10	6	-	-	-	-	-	-	-
	12	7	-	-	-	-	-	-	-
	16	11	5	4	-	-	-	-	-
	18	12	6	5	-	-	-	-	-
	21	19	13	12	8	7	-	-	-
	24	26	20	19	15	14	7	-	-

<b>VALVES</b>											
	Size (in)	Size Required for Project									
		4	6	8	10	12	16	18	20	24	30
LINE SIZE REQUIRED BY THE TOWN OF CARY	4	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	10	675	500	275	-	-	-	-	-	-	-
	12	1,175	1,000	775	500	-	-	-	-	-	-
	16	4,950	4,775	4,550	4,275	3,775	-	-	-	-	-
	18	6,675	6,500	6,275	6,000	5,500	1,725	-	-	-	-
	20	11,175	11,000	10,775	10,500	10,000	6,225	4,500	-	-	-
	24	17,175	17,000	16,775	16,500	16,000	12,225	10,500	6,000	-	-
	30	38,975	38,800	38,575	38,300	37,800	34,025	32,300	27,800	21,800	-

<b>BORE AND JACK</b>											
	Size (in)	Carrier Pipe Size Required for Project									
		4	6	8	10	12	16	18	20	24	30
CARRIER PIPE SIZE REQUIRED BY THE TOWN OF CARY	4	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	10	200	150	3	-	-	-	-	-	-	-
	12	220	170	5	20	-	-	-	-	-	-
	16	420	370	250	220	200	-	-	-	-	-
	18	470	420	300	270	250	50	-	-	-	-
	20	520	470	350	320	300	100	50	-	-	-
	24	670	620	500	470	450	250	200	150	-	-
	30	870	820	700	670	650	450	400	350	200	-

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## EXPLANATION OF ACRONYMS

<b>Acronym</b>	<b>Explanation</b>
ABC	Alcoholic Beverage Commission
ADA	Americans with Disabilities Act
AOB	Annual Operating Budget
AWWA	American Water Works Association
BANs	Bond Anticipation Notes
BARs	Budget Adjustment Requests
BBP	Blood-borne Pathogen
BID	Business Improvement District
BOD	Biochemical Oxygen Demand
CAEF	Certificate of Adequate Educational Facilities
CAFR	Comprehensive Annual Financial Report
CALEA	Commission on Accreditation for Law Enforcement Agencies
CAMPO	Capital Metropolitan Planning Organization
CATA	Certificate of Approved Traffic Analysis
CATV	Cable Access Television
C/A WTP	Cary/Apex Water Treatment Plant
CDBG	Community Development Block Grant funding
CDL	Commercial Drivers License
CFAI	Commission on Fire Accreditation International
CIB	Capital Improvements Budget
CIP	Capital Improvements Plan
CIRC	Citizen Issue Review Commission
CMAQ	Congestion Mitigation and Air Quality
CO	Certificate of Occupancy
COD	Chemical Oxygen Demand
COPs	Certificates of Participation
COPS	Community Oriented Policing Services program of Federal Grants for Police Officers
CSX	Name of railway company
C-Tran	Cary Transit
DBA	Doing Business As
DARE	Drug Awareness Resistance Program
DEIS	Draft Environmental Impact Statement
DENR	Department of Environment and Natural Resources
DHIC	Downtown Housing Improvement Corporation
DMV	Department of Motor Vehicles
DOT	Department of Transportation
DS	Development Support
EDC	Economic Development Commission
EDU	Equivalent Dwelling Unit
EECBG	Energy Efficiency and Conservation Block Grant
EEO	Equal Employment Opportunity
EHAP	Employee Housing Assistance Program
E	Exempt
EIS	Environmental Impact Statement
EMS	Emergency Management Services
EPA	Environmental Protection Agency
ESAB	Environmental Services Advisory Board
ETB	Extra Territorial Boundary
ETJ	Extra Territorial Jurisdiction
FCC	Federal Communications Commission
FD	Fire Department
FEMA	Federal Emergency Management Administration
FMD	Facilities Management Division

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FM	Force Main
FSE	Food Service Establishment
FOG	Fats, Oils, and Grease program
FT	Full-time
FTE	Full-time Equivalent
FY	Fiscal Year
FYS	Fiscal Years
GA	General Assembly
GAAP	Generally Accepted Accounting Principles
GAC	Granular Activated Carbon
GASB	Governmental Accounting Standards Board
GF	General Fund
GFOA	Government Finance Officers Association
GIS	Geographic Information Systems
GO	General Obligation Bonds
GPD	Gallons Per Day
GPS	Geographic Positioning System
GS	General Statutes
HR	Human Resources department
HRSS	High Risk, Safety Sensitive
HVAC	Heating, Ventilation, and Air Conditioning
I&I	Inflow & Infiltration
I&P	Inspections and Permits
IBT	Inter-Basin Transfer
IBNR	Incurred But Not Reported
ISAB	Information Services Advisory Board
ISF	Internal Service Fund
ISO	Insurance Services Organization
ITE	Institute of Transportation
LDO	Land Development Ordinance
LED	Light Emitting Diode
LEED	Leadership in Energy and Environmental Design
LGBFCA	Local Government Budget and Fiscal Control Act
LGC	Local Government Commission
LOS	Level of Service
MAPPS	Managing And Planning Performance System
MGD	Million Gallons per Day
MIT	Marketing and Information Technology
MM	Morrisville Merger
MOU	Memorandum of Understanding
MPO	Master Police Officer
N/A	Not Applicable
NE	Non-Exempt
NCDOT	North Carolina Department of Transportation
NCDWQ	North Carolina Department of Water Quality
NCLM	North Carolina League of Municipalities
NCWRF	North Cary Water Reclamation Facility
NFPA	National Fire Protection Association
NPDES	National Pollutant Discharge Elimination System
O&M	Operating and Maintenance
OS	Oversizings
OSHA	Occupational Safety and Health Act and Occupational Safety and Health Administration
P&D	Planning and Development
P&Z	Planning and Zoning
PBB	Priority Based Budgeting
PD	Police Department
PIL	Payment in Lieu

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PIO	Public Information Office
PM	Preventive Maintenance
PO	Purchase Order or Police Officer
PRCR	Parks, Recreation and Cultural Resources department
PS	Pump Station
PS&O	Public Safety and Operations
PSA	Public Service Announcement
PT	Part-time
PUD	Planned Unit Development
PW	Public Works
RDU	Raleigh-Durham
RFP	Request for Proposals
RIL	Recreation in Lieu
SCADA	Supervisory Control and Data Acquisition
SCWRF	South Cary Water Reclamation Facility
SF	Square Foot
SS	Sanitary Sewer or Suspended Solids
SPO	Senior Police Officer
SPOT	Small Projects One-hour Turn-around
SR	State Road
SRO	School Resource Officer
SRU	Special Response Unit
SS	Sanitary Sewer
SSO	Sanitary Sewer Oversizing
STM	Storm Drainage Management
T&F	Transportation and Facilities
T-Bill	Treasury Bill
TAZ	Traffic Analysis Zone
TCAP	Town Center Area Plan
TDF	Transportation Development Fee
TDM	Traffic Demand
TIA	Traffic Impact Analysis
TIP	Transportation Improvement Program
TM	Town Manager
TND	Traditional Neighborhood Development
TOC	Town of Cary
TS-1	Traffic Signal - 1 (refers to a type of traffic signal cabinet)
TS-2	Traffic Signal - 2 (refers to a type of traffic signal cabinet)
TTA	Triangle Transit Authority
UCR	Unified Crime Reporting
UDO	Unified Development Ordinance
UF	Utility Fund
USA	Urban Service Area
UT	Utilities
VLF	Vehicle License Fees
WAS	Waste Activated Sludge
WCPSS	Wake County Public School System
W&S	Water and Sewer
WRF	Water Reclamation Facility
WR-INF	Water Resources-Infrastructure
WR-UT	Water Resources-Utilities
WT	Water Treatment
WTP	Water Treatment Plant
WWMP	Waste Water Master Plan
WWRF	Western Wake Water Reclamation Facility
WWTP	Waste Water Treatment Plant

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## GLOSSARY OF TERMS

**ACCRUAL ACCOUNTING:** A basis of accounting in which revenues and expenses are recorded at the time they are incurred, instead of when cash is actually received or disbursed (see funds). For example, in accrual accounting, a revenue earned between June 1 and June 30, but for which payment was not received until July 12, is recorded as earned on June 30 rather than on July 12.

**ACCOUNTS:** Accounts are used to enter the formally adopted annual operating budget into the general ledger, as well as to organize expenditures and revenues by fund, program, department, activities, etc.

**ACREAGE FEES:** Fees charged by the gross acre against all property to be developed. Fees start at \$750 per acre for water and sewer for residential development and increase as density increases. These fees are restricted to Utility Fund projects. These fees were replaced with the Water and Sewer Development Fees in FY 2000.

**ACTIVITY:** A specific service or unit of work performed.

**AD VALOREM TAX (PROPERTY TAX):** A tax levied on the assessed value of real, personal, public service and vehicle property located within the Town.

**AMORTIZATION:** The extinction of a debt through a series of payments over time. This is frequently referred to when discussing the series of loan payments associated with paying down the total amount owed due to funds that were previously borrowed.

**APPROPRIATION (BUDGETING):** A legal authorization granted by the Town Council to make budgeted expenditures and to incur obligations for purposes specified in the budget ordinances.

**ASSESSED VALUATION:** A value established for real property for use as a basis for levying property taxes.

**AUDIT:** an official inspection of an individual's or organization's accounts, typically by an independent body, with the goal of providing reasonable assurance that the financial statements have been prepared in accordance with Generally Accepted Accounting Principles (GAAP) set forth by the Governmental Accounting Standards Board (GASB) and are free of material misstatement.

**BALANCED BUDGET:** Occurs when planned expenditures equal anticipated revenues. In North Carolina, it is a requirement that the budget submitted to the Town Council be balanced.

**BASE BUDGET ALLOWANCE:** Ongoing expense for personnel and replacement of existing equipment to maintain service levels previously authorized by the City Council. A *base budget reduction* reflects discontinuation of a service or program previously approved or a cost decrease to provide the same service level.

**BASIS OF ACCOUNTING and BASIS OF BUDGETING:** The system under which revenues, expenditures, expenses, and transfers – and the related assets and liabilities – are recognized in accounts and reported in financial statements. Basis of Accounting and Basis of Budgeting specifically relates to the timing of the measurements made. Full Accrual and Modified Accrual are each an accepted Basis of Accounting and Basis of Budgeting. The Town of Cary does not distinguish between Basis of

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**Accounting and Basis of Budgeting.** All Town of Cary funds are maintained on a modified Accrual basis.

**BIOSOLIDS:** Defined as stabilized wastewater organisms, this by-product of wastewater treatment is sold as fertilizer by the Town. Commonly referred to as "sludge."

**BOND:** A written promise to pay a designated sum of money (the principal) at a specific date in the future, along with periodic interest at a specified rate. The payment on bonds is identified as Debt Service. Bonds are generally used to obtain long-term financing for capital improvements.

**BOND ANTICIPATION NOTES (BANS):** Short-term interest-bearing notes issued by the Town in anticipation of bonds to be issued at a later date. The notes are retired from the proceeds of the bond issue to which they are related.

**BOND/DEBT PROCEEDS:** The cash resulting from the sale of debt on the bond market. This cash is used to pay for specific capital projects and is repaid with interest based upon a structured repayment schedule.

**BOND FUNDS:** Resources derived from issuance of bonds for specific purposes and related Federal project grants used to finance capital expenditures.

**BOND RATING:** A rating (made by an established bond rating company) from a schedule of grades indicating the probability of timely repayment of principal and interest on bonds issued. Cary has an AAA bond rating from all three major bond rating companies.

**BOND REFERENDUM:** An election in which registered voters vote on whether the Town will be allowed to issue debt in the form of interest-bearing bonds.

**BUDGET:** A plan of financial operation embodying an estimate of proposed expenditures for a given period and the proposed means of financing them. Upon approval by the Town Council, the budget appropriation ordinance becomes the legal basis for expenditures in the budget year.

**BUDGET DOCUMENT (PROGRAM AND FINANCIAL PLAN):** The official written statement prepared by the Town staff reflecting the decisions made by the Council in their budget deliberations.

**BUDGET MESSAGE:** A general discussion of the budget that provides the Town Council and public with a summary of the most important aspects of the budget, changes from previous fiscal years, and the views and recommendations of the Town Manager.

**BUDGET ORDINANCE:** A formal legislative enactment by the Town Council. If it is not in conflict with any higher form of law, such as a statute or constitutional provision, it has full force and effect of law within the boundaries of the municipality to which it applies.

**BUDGET SCHEDULE:** The schedule of key dates or milestones that the Town follows in preparation and adoption of the budget.

**CAPITAL IMPROVEMENTS:** Major construction, repair of, or addition to buildings, parks, streets, bridges and other Town facilities. Capital Improvements projects cost \$25,000 or more, and have a useful life of more than three years.

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**CAPITAL IMPROVEMENTS BUDGET:** The schedule of project expenditures for the acquisition and construction of capital assets for the current fiscal year.

**CAPITAL IMPROVEMENTS PLAN:** The annually updated plan or schedule of project expenditures for public facilities and infrastructure (buildings, roads, etc.), with estimated project costs, sources of funding, and timing of work over a ten-year period.

**CAPITAL OUTLAY:** Vehicles, equipment, improvements, software, and furniture purchased by the Town which individually amount to an expenditure of \$5,000 or more, but less than \$25,000, and which have an expected life of more than one year.

**CAPITAL RESERVE FUND:** A special fund used as a clearing house for monies being transferred from other funds into capital project accounts.

**CO - Certificate of Occupancy:** is a document issued by the governing agency, signifying that a newly completed building or dwelling conforms to building code regulations and all pertinent ordinances, by meeting the required health and safety standards, and can thereby be inhabited.

**CONTINGENCY ACCOUNT:** Account in which funds are set aside for emergency and exceptional expenditures that may become necessary during the year and which have not otherwise been provided for in the context of the annual operating budget.

**COUNCIL-MANAGER FORM OF GOVERNMENT:** Under this form of government, the Mayor and Council establish policy, while a professional manager and his/her appointees are responsible for governmental operations.

**DEBT LIMIT:** The maximum amount of outstanding gross or net debt legally permitted. The State of North Carolina forbids cities from incurring debt in excess of 8% of the total assessed valuation of taxable property within the city.

**DEBT SERVICE:** Payment of long term debt principal, interest, and related costs on borrowed funds such as bonds. Debt service is budgeted and accounted for in the fund in which it is incurred.

**DEFERRED COMPENSATION:** The Town participates in a supplementary retirement income plan (401-K). In addition to Town contributions, each employee has the option of making additional pre-tax contributions.

**DEPARTMENT:** A major administrative division of the Town that indicates overall management responsibility for an operation or a group of related operations within a functional area. A department usually has more than one program and may include activities or divisions that are accounted for in different funds.

**DEPRECIATION:** A method of allocating the cost of a tangible asset other than land over its useful life. For example, the normal life of an asset (e.g. fire truck) might be twenty years. The value of that capital asset decreases, or depreciates, over time. The annual depreciation of fixed assets is reported on the financial statements of funds using the accrual basis of accounting. Depreciation is not an expense that is reported on the budgetary financial statements.

**DEVELOPMENT FEES:** These fees were developed in FY 1999 to replace acreage fees and connection charges. There is a separate fee for water and sewer. The fees are due at building permit issuance.

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**DEVELOPER REIMBURSEMENT:** A special case in which the Town reimburses the developer's contribution for a particular construction project, such as waterline oversizings. In the reverse of this situation, the developer may have to reimburse the Town.

**DIVISION:** A program or function that falls within the specific functional area assigned to a particular Department. Several Divisions may comprise a single Department.

**ENCUMBRANCE:** A financial commitment for a contract not yet performed. An encumbrance is charged against an appropriation, and a portion of the appropriation is reserved for the purpose of satisfying the encumbrance. It represents the expenditure the Town will make after performance under the contract is completed and an invoice is served.

**ENTERPRISE FUND:** A grouping of activities whose expenditures are wholly or partially offset by revenues collected from consumers in the form of fees or charges.

**EXPENDITURE:** The outlay of or obligation to pay cash; a decrease in net financial resources.

**EXTRATERRITORIAL ZONING JURISDICTION (ETJ):** A geographic area extending from one to three miles beyond a municipality's corporate limits within which the municipality exercises zoning and subdivision control and enforces the State Building Code. A municipality assumes this authority only if the county is not enforcing these three types of development regulations.

**FINAL BUDGET:** Term used to describe revenues and expenditures for the upcoming year beginning July 1 as adopted by the Town Council.

**FIXED ASSETS:** Assets of a long-term character which are intended to be held or used, such as land, buildings, machinery, furniture, and other equipment.

**FISCAL YEAR:** Any consecutive twelve-month period to which the annual operating budget applies and at the end of which a government determines its financial position and the results of its operations. The Town of Cary's fiscal year runs from July 1 to June 30.

**FLEXIBLE SPENDING ACCOUNTS:** Town employees have the option of having pre-tax dollars deducted from their paychecks and held in a special account, designated for either medical or child care expenses. Throughout the year, employees can submit claims to their flex accounts, and be reimbursed with their own, pre-tax dollars.

**FRANCHISE FEE:** A fee paid by public service businesses for use of Town streets, alleys, and property in providing their services to the citizens of a community. Example: The Town charges a Cable Television Franchise Fee to cable television companies serving Cary citizens.

**FULL-TIME POSITION:** Any employee who receives full benefits and works at least 40 hours per week.

**FULL-TIME EQUIVALENT POSITION (FTE):** A part-time position converted to the decimal equivalent of a full-time position based on 2,080 hours per year. For example, a seasonal employee working for four months, or 690 hours, would be equivalent to .3 of a full-time position.

**FUNCTION:** A group of related programs crossing organization (departmental) boundaries and aimed at accomplishing a broad goal or major service.

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**FUND:** An accounting entity with self-balancing accounts. A fund records all financial transactions for specific activities or government functions.

**FUND BALANCE:** Amounts shown as fund balance represent monies which remain unspent after all budgeted expenditures have been made. North Carolina statutes dictate that a portion of fund balance is not available for appropriation in the following fiscal year. This term is used in relation to governmental funds.

**FUND EQUITY:** Amounts shown as fund equity represent monies which remain unspent after all budgeted expenditures have been made. This term is used in relation to proprietary funds.

**GAAP (Generally Accepted Accounting Principles):** Accounting principles that are commonly used in preparing financial statements and generally accepted by the readers of those statements. The authoritative source of GAAP for state and local governments is the Governmental Accounting Standards Board (GASB).

**GENERAL FUND:** The general operating fund of the Town used to account for all financial resources except those required to be accounted for in another fund.

**GENERAL LEDGER:** A record containing the accounts needed to reflect the financial position and the results of operations of a government.

**GENERAL OBLIGATION BONDS:** Debt issued by the Town, repayment of which is backed by full taxing power.

**GOAL:** A statement of broad direction, purpose or intent based on the needs of the community. A goal is general and timeless; that is, it is not concerned with a specific achievement in a given time period.

**GOVERNMENTAL FUND:** A fund generally used to account for tax-supported or grant activities that go to the delivery of public goods and services. Examples of government funds are the general fund and the general capital projects fund.

**GRANTS:** Contributions or gifts of cash or other assets from another government to be used or expended for a specified purpose, activity, or facility.

**INSTALLMENT PURCHASE DEBT:** The Town may borrow money from financial institutions to purchase an asset through a contract, with the asset serving as a security guarantee for the financial institution.

**INTERCEPTOR:** A large sanitary sewer collection line.

**INTERFUND TRANSFER:** Transfers between funds (an accounting entity with self-balancing accounts) to support activities in the receiving fund.

**INTERNAL SERVICE FUNDS:** Those funds used to account for the financing of goods or services provided by one Town department to others on a cost reimbursement basis.

**INVESTMENT REVENUE:** Revenue earned on investments with a third party. The Town uses a pooled cash system, pooling the cash of all funds and investing it in total. The interest earned is then allocated back to the individual funds by the average cash balance in that fund.

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**LDO (Land Development Ordinance):** A compilation of rules and regulations adopted by the Town Council, pursuant to the authority granted to the Town of Cary by the NC General Assembly. This ordinance protects the health, safety, and general welfare of the general public, and it implements the policies of the Cary Comprehensive Plan, which guides development of the physical environment of the Town and its planning jurisdiction.

**LGC (Local Government Commission):** An agency in the NC State Treasurer's Office which oversees local government bonded debt and assists cities and counties in all areas of fiscal management. The LGC conducts all bond sales, and ensures that local units have sufficient fiscal capacity to repay debt.

**LOB (Limited Obligation Bonds):** Debt issued by the Town, repayment of which is backed by the asset being financed as a guarantee to investors who purchase the debt on the bond market.

**LIABILITIES:** Debts or other legal obligations arising out of transactions in the past which must be liquidated, renewed, or refunded at some future date. This term does not include encumbrances.

**MAJOR FUND:** GASB defines major funds as those meeting the following criteria: The total assets, liabilities, revenues, or expenditures/expenses of the individual governmental or enterprise fund are at least 10 percent of the corresponding total (assets, liabilities, etc.) for all funds in that category (governmental funds) or of that type (enterprise funds).

**MGD (Million Gallons per Day):** A measure used to express the amount of water or wastewater that is treated at the water and wastewater treatment plants.

**MODIFIED ACCRUAL:** The basis of budgeting and accounting where revenues are recorded when collectable within the current period or soon thereafter to be used to pay liabilities of the current period. Expenditures are recognized when the related liability is incurred.

**MYCARY:** Internally developed software application using the Salesforce customer relationship management platform where residents can register and pay for Parks, Recreation and Cultural Resources (PRCR) programs and events. The ultimate goal is to make MyCary the hub location for all of Cary's payment and registration activities. Phase I focused on PRCR functions and went live in January 2020. Staff will continue to develop this concept to include other functions in coming years.

**NET BONDED DEBT:** The amount calculated as gross bonded debt less debt service monies available at year-end less debt payable from Enterprise Revenues, which ultimately equates to amounts to be repaid through property taxes.

**OBJECTIVE:** A statement of specific direction, purpose or intent to be accomplished by staff within a program.

**OCCUPANCY TAX:** A locally administered tax levied on the occupancy of hotel and motel rooms in addition to sales tax. The Wake County Occupancy Tax is 6%. The Chatham County occupancy tax is 3%.

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**ONECARY:** Refers to the cultural evolution underway in our organization. The OneCary culture is based on four important tenets:

- People First – we exist to build community and take care of people.
- Evolution – we seize opportunities to experiment, learn, and adapt to create a better future.
- Working Smarter – we prioritize work on the most important things.
- Anyone Can Lead – we differentiate leadership from authority and believe that everyone can find a way to make our community better.

**OPERATING BUDGET:** Cary’s financial plan that outlines proposed expenditures for the coming fiscal year and estimates the revenues that will be used to finance them.

**OPERATING FUNDS:** Resources derived from recurring revenue sources used to finance ongoing operating expenditures and pay-as-you-go capital projects.

**OPERATIONS AND MAINTENANCE EXPENDITURES:** Costs other than those for salaries, benefits, and capital outlay that are necessary for the provision of services offered by the Cary.

**PAYMENT-IN-LIEU:** Payments made typically by developers in lieu of improvements. This payment is based on appraised values. These funds are restricted to specific types of parks and recreation and transportation projects.

**PERSONNEL SERVICES:** The expenditure category that includes total costs of all wages, salaries, retirement, and other fringe benefits.

**PERFORMANCE MEASUREMENT:** Any systematic attempt to learn how responsive a government's services are to the needs of constituents through the use of standards, workload indicators, etc.

**PLANNED CAPITAL PROJECTS:** Capital projects with funding needs appearing in years six through 21 of the Capital Improvements Budget/Plan. These needs have not been matched with estimated available resources but will be considered for funding as they roll into the Programmed Capital Projects five-year window.

**POLICE SEPARATION ALLOWANCE:** A separate trust fund, required by state law, to provide a separation allowance for police officers if they retire after age 55 and have served at least 5 years.

**POWELL BILL FUNDS:** An intergovernmental transfer from the State of North Carolina. These revenues are based on gasoline sales in the state and the number of miles of streets within the Town. These funds must be used for transportation projects.

**PRETREATMENT PROGRAM:** Industries must obtain a permit and renew it annually in order to discharge into the Town's wastewater system. The program includes sampling charges for monitoring the industry's discharge and surcharges for any discharges exceeding desired limits.

**PRIOR YEAR AD VALOREM (PROPERTY) TAXES:** Ad Valorem (Property) Taxes that remain unpaid on or after the date they are due. A penalty is included for non-payment.

**PRODUCTIVITY:** A measure of the output of Town programs per unit of resource input invested.

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**PROGRAM:** An organized set of related work activities, which are directed toward accomplishing a common goal. Each Town department is usually responsible for a number of related service programs.

**PROGRAMMED CAPITAL PROJECTS:** Capital projects for which projected available resources have been assigned in the budget year and next four planning years. Only the first year's funds have been appropriated.

**PROPERTY TAX (AD VALOREM TAX):** A tax levied on the assessed value of real and personal property located within the Town.

**PROPRIETARY FUND:** A fund used to account for the sale of private goods and services, thus functioning more typically like business-type ventures of a local government. The two types of proprietary funds are the enterprise fund and the internal service fund. The Town of Cary utilizes an enterprise fund to account for its water and sewer operations and an internal service fund to account for its fleet operations.

**PUD (Planned Unit Development):** A tract of land under single ownership, or under common control evidenced by duly recorded contracts or agreements approved by the Town Council, that is planned and developed as an integral unit in a single development operation or in a programmed series of development operations in accordance with a master land use plan and detailed engineering and architectural plans as approved by Town Council.

**REFUNDING:** The issuance of long term debt in exchange for, or to provide funds for, the retirement of long-term debt already outstanding. Refunding is essentially the "refinancing" of long-term debt.

**RESERVE:** A portion of fund balance earmarked to indicate that it 1) is not available for expenditure, or 2) is legally segregated for a specific future use.

**RESOURCES:** Assets that can be used to fund expenditures. These can be such things as property taxes, charges for service, beginning fund balance, or working capital.

**RETAINED EARNINGS:** An equity account reflecting the accumulated earning of an enterprise or internal service fund.

**REVENUE:** Income received from various sources used to finance government services (ex. sales tax revenue).

**REVENUE BONDS:** Bonds whose principal and interest are payable exclusively from earnings of an Enterprise Fund. Such bonds sometimes contain a mortgage on the fund's property.

**REVERSION:** The amount of approved budget authority for operating expenditures remaining at the end of a given fiscal year. For example, if the current adopted budget includes \$3 million for expenditures, and only \$2.9 million is spent during the fiscal year, there would be \$100,000 in reversion. Typically, the amount of reversion serves to increase the previously estimated amount of fund balance remaining at the end of the fiscal year because not all of the approved funding was actually expended.

**RISK MANAGEMENT:** The identification and control of risk and liabilities incurred by a local government to conserve resources from accidental loss.

**SERVICE LEVEL TREND:** The tracking, over a specified time period, of an output measure showing a workload change or the degree of achievement for stated program objectives.

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**SEWER DEVELOPMENT FEES:** See *Development Fees*.

**SPECIAL REVENUE FUNDS:** Special Revenue Funds are used to account for resources that are subject to legal spending restrictions. They are created when a resolution, statute or ordinance requires that specific taxes or special revenue sources are used to finance a particular activity.

**SUPPLEMENTAL BUDGET ALLOWANCE:** A supplemental budget allowance reflects additional personnel, equipment, and related expenses that increase the size of the work force or the inventory of equipment.

**TAX BASE:** The total assessed valuation of real property within the Town.

**TAX RATE:** See *Ad Valorem Tax* or *Property Tax*.

**TIPPING FEES:** The cost incurred by the Town to deposit garbage in the Wake County Landfill. In FY 2009 the Town has budgeted \$30.00/ton to cover these charges. Effective January 2009, the Town has also budgeted an additional \$2 per ton excise tax that will be due for each ton received at the landfill.

**TRANSFER:** An appropriation to or from another fund. A transfer is the movement of money from one fund to another to wholly or partially support the functions of the receiving fund.

**TRANSPORTATION DEVELOPMENT FEE:** Cary charges transportation development fees for properties developing within the Town or its extraterritorial jurisdiction (ETJ). Transportation development fees are levied at the time of permit issuance. These fees vary based on residential, multi-family and commercial development type and size. This fee was added during FY 1990 with permission of the State Legislature. For more details related to the Town's transportation development fees, see section 7.11 of the Town of Cary's Land Development Ordinance at:

[http://www.amlegal.com/nxt/gateway.dll/North%20Carolina/cary\\_nc/codeofordinancestownofcarynorthcarolina?f=templates\\$fn=default.htm\\$3.0\\$vid=amlegal:cary\\_nc](http://www.amlegal.com/nxt/gateway.dll/North%20Carolina/cary_nc/codeofordinancestownofcarynorthcarolina?f=templates$fn=default.htm$3.0$vid=amlegal:cary_nc)

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP):** A document containing funding information and schedules for State Transportation Projects, including highways, aviation, enhancements, public transportation, rail, bicycle and pedestrians, and the Governor's Highway Safety Program. TIP is the statewide program run by the North Carolina Department of Transportation.

**TRUST AND AGENCY FUNDS:** These funds are custodial (used to account for assets held by a government in a trustee capacity) and do not involve measurement of results of operations. They are generally limited to instances where legally mandated, or where a formal legal trustee relationship exist. Principal and interest in the funds may be expended in the course of their designated operations.

**USER CHARGES:** The payment of a fee for direct receipt of a public service by the party benefiting from the service.

**UTILITY FRANCHISE TAX:** Tax levied by the state on electric, gas, telephone, and street transportation companies. The proceeds are shared with municipalities.

**WATER DEVELOPMENT FEES:** See *Development Fees*.

**WORKLOAD INDICATORS:** An indication of the output of a department. It may consist of transactions, products, events, services, or persons served.

# TOWN OF CARY

[www.townofcary.org](http://www.townofcary.org)